

Armor API Guide (PDF)

Overview

Armor offers a RESTful HTTP service called the Armor API. This API allows you to fully access the Armor Management Portal (AMP) via JSON data formats, which allows you to programmatically manage elements of your AMP account.

This guide applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users; however, you should review the beginning of each section to verify product compatibility.

Access the Armor API

To learn how to access the Armor API, see [Log into Armor API](#).

Review Armor API calls

The Armor API is divided six sections:

API section	Product compatibility
Authentication	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Infrastructure	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Network Services	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Security	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Support	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Account Management API calls	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security

Learn about Armor API basics

To learn about request methods and object-type definitions, see [Learn about Armor API](#).

Log into Armor API

Before you begin:

- The base URL is <https://api.armor.com>.
- This endpoint requires TLS 1.2+.
- The API uses standard OAuth authentication.
- If your account requires multi-factor authentication (MFA), you should configure your HTTP client to have a timeout that allows sufficient time to enter the MFA response.

To access the API, you must first authenticate.

1. Enter the login information for the Armor Management Portal (AMP). Review the following example.

```
POST /auth/authorize

{
  "username": "user@domain.com",
  "password": "password123%^&"
}
```

2. If the authentication is successful, you will receive the authorization code (**code**). Review the following example.

```
{
  "redirect_uri": null,
  "code": "<<base64-hash>>",
  "success": true
}
```

3. Redeem the authorization code (**code**) to retrieve the access token. Review the following example.

```
POST /auth/token

{
  "code": "<<base64-hash>>",
  "grant_type": "authorization_code"
}
```

4. If the request is successful, you will receive the **access token (access_token)**. You must redeem this token within two minutes of the previous request. Review the following example.

```
{
  "access_token": "<<32-bit-uuid>>",
  "id_token": "<<base64-hash>>",
  "expires_in": 1800,
  "token_type": "Bearer"
}
```

5. Enter the access token (**access_token**) to complete the authentication process. Review the following example.

```
Authorization: FH-AUTH <<access_token>>
```

6. (Optional) The access token expires every 30 minutes. If you want to extend the session, then you can request a new access token before the current access token expires. In this example, you do not need to authenticate again with the new access token. Review the following example.

```
POST /auth/token/reissue

{
  "token": "<<32-bit-uuid>>"
}
```

7. (Optional) If the request is successful, you will receive the previous access token without the ID token. Review the following example.

```
{
  "access_token": "<<32-bit-uuid>>",
  "id_token": null,
  "expires_in": 1800,
  "token_type": "Bearer"
}
```

8. (Optional) If you have multiple accounts in AMP, you may want to specify the account to configure. Enter the integer for the account ID. Review the following example.

```
X-Account-Context: <<int>>
```

There are two ways to retrieve your account ID:

Via the command line:

1. In the command line, enter the **GET /me** command.

Via AMP:

1. Access the Armor Management Portal (AMP).
2. On the left-side navigation, click **Account**.
3. In the **Overview** screen, copy the number in **Account Number**.
4. In the command line, for **X-Account-Context**, enter the **Account Number**.

The interactive Armor API

Overview

The interactive Armor API tool, powered by Swagger, is a cloud-based tool used to build, deploy, and document APIs. You can use this tool to review the API calls, as well as implement the calls.

The interactive Armor API is divided into the following six sections:

- Account Management
 - Infrastructure
 - Authentication
 - Security
 - Network Services
 - Support
-

Access the interactive Armor API

To access the interactive Armor API, you must use your AMP login information to retrieve authorization keys.

There are two high-level steps to authenticate:

- Locate your account number
- Locate your authorization code, and then authenticate

Step 1: Locate your account number

1. Log into the Armor Management Portal (AMP).
 2. On the left-side navigation, click **Account**.
 3. In the **Overview** screen, copy the number in **Account Number**.
 4. Access the interactive Armor API (<https://developer.armor.com/>).
 5. In the **X-Account-Context** field, enter the copied **Account Number**.
-

Step 2: Locate your authorization code and authenticate

1. Access the interactive Armor API (<https://developer.armor.com/>).
 2. Click the **Authentication** section.
 3. Click **POST /auth/authorize**.
 4. On the right side, under **Data Type**, click **Example Value**.
 5. Click the yellow field below **Example Value**.
 - This action will populate the empty field on the left.
 6. On the left, in the field under **Value**, remove the sample login credentials, and then enter your AMP username and password.
 7. In **Parameter content type**, select **application/json**.
 8. Click **Try it out!**
 9. Under **Response Body**, copy the **code**, including the equal sign (=).
 10. Locate and select **POST /auth/token**.
 11. On the right side, under **Data Type**, click **Example Value**.
 12. Click the yellow field below **Example Value**.
 - This action will populate the empty field on the left.
 13. On the left, in the field under **Value**, remove the sample **code**, and then paste your **code**.
 14. In **Parameter content type**, select **application/json**.
 15. Click **Try it out!**
 - This will display the **access_token**.
 16. Under **Response Body**, copy the **access_token**.
 17. Scroll up, and then in the **Authorization** field, enter **FH-AUTH**, followed by the copied **access_token**.
 - A typical authorization credential should display as **FH-AUTH afecb1543c3de8654**.
 18. Click **Authorize**.
 - The screen will refresh.
-

Add input parameters to Put, Post, Delete, and Get API calls

This section only applies to API calls that require input parameters.

Although the button to execute the call is displayed as **Try it out!**, the interactive Armor API guide is a live version of the Armor API. These calls will cause real-time changes to your environment.

1. Click the desired API section (**Account Management, Infrastructure, Authentication, Security, Network Services, Support**), and then click the desired API call.
 2. On the right, under **Data Type**, click **Example Value**.
 3. Click the yellow field below **Example Value**.
 - This action will populate the empty field on the left.
 4. On the left, in the field under **Value**, remove the sample code, and then make your desired changes.
 5. In **Parameter content type**, select **application/json**.
 6. Click **Try it out!**
 - The fields below will populate with your changes, including the expected results. You can copy these fields and paste the information into the command line.
-

Additional information

For more information on the Armor APIs, see [Armor API Guide](#).

For more information on the Swagger product, please [visit the Swagger website](#).

Authentication API Calls

Generally, this section applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users; however, review the table below to make sure the specific API call is compatible with your product.

Authentication API Calls

Authentication API call	Description	Product compatibility
Post Authorize	The Post Authorize API creates a temporary authorization code that can be redeemed for an authorization token.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Post Token	The Post Token API creates an authentication token from an authorization code.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Post Reissue Token	The Post Reissue Token API reissues a new access token for the current user.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Authenticated User Info	The Get Authenticated User Info API returns information about the current authenticated user, including account membership and permissions.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Password Recovery - Initiate Email Request	The Password Recovery - Initiate Email Request API initiates a password recovery for a user account. The user will receive an email that contains password recovery instructions.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security

<p>Password Recovery - Initiate SMS Request</p>	<p>The Password Recovery - Initiate SMS Request API initiates a password recovery for a user account. The user will receive an SMS-based OTP to the primary phone number on the user account.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Password Recovery - Complete SMS Request</p>	<p>The Password Recovery - Complete SMS Request API redeems an SMS-based OTP for a password reset token.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Password Recovery - Get User Context</p>	<p>The Password Recovery - Get User Context API retrieves a user's password recovery context. A password recovery can take place via email or SMS. This API returns the user's preference for receiving a password recovery.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Password Recovery - Validate</p>	<p>The Password Recovery - Validate API validates a password reset recovery token in exchange for a password reset grant token.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Recovery - Delete</p>	<p>The Recovery - Delete API deletes a password recovery token.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Initiate Password Reset</p>	<p>The Initiate Password Reset API call initiates a password reset.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
<p>Reset Password</p>	<p>The Reset Password API call redeems a password reset grant, and then resets a user's password.</p>	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Post Authorize

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Post Authorize** API creates a temporary authorization code that can be redeemed for an authorization token.

To redeem an authorization token, see [Post Token](#).

Sample request

```
POST https://api.armor.com/auth/authorize

{
  "username": "user@domain.com",
  "password": "password123%^&"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/auth/authorize	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
username	Your AMP username	String	Required	user@domain.com
password	Your AMP password	String	Required	password123%^&

Sample return

Status	Response
200	<pre>{ "redirect_uri": null, "code": "HJTX3gAAAAN2q1UP7cvFtOh1qf frfWIpKetdnIgvOfpJRSC5W7b3vVqMBn8pZHtRY8I4nLRzW "success": true }</pre>

403

```
{  
  "errorCode": "access_denied",  
  "badLogonCount": 0  
}
```

Post Token

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Post Token** API creates an authentication token from an authorization code.

Before you redeem an authorization token, you must create a temporary authorization code. To create a temporary authorization code, see [Post Authorize](#).

Sample Request

```
POST https://api.armor.com/auth/token

{
  "code": "HJTX3gAAAAN2q1UP7cvFtOh1qffrfWIpKetdnIgvOfpJRSC5W7b3vVqMBn8pZHtRY8I4nLRzW95gdWPdRMVUrgsnJ2mwqB8kgxOu8lhH1LOggfwrRCvxLGvGmwET59gIzJ60rxpEdM0dTLw58kNnWVbaQI1NmPQJwjvD/1RIPtNOL5d+z29wyJ/BI/POlPKN1vFHsJGYJl8q10/3D3czNGhXCqfV20Uj0r8EX7zsQz/9t1YCqKKj9OpPv3sypXS6h4hNb/v4yLD33G+EnwOa jJQ62sA=" ,
  "grant_type": "authorization_code"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/auth/token	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
code	The code you received from the Post Authorize call.	GUID	Required	HJTX3gAAAAN2q1UP7cvFtOh1qffrfWIpKetdnIgvOfpJRSC5W7b3vVqMBn8pZHtRY8I4nLRzW
grant_type	The type of permission (You must enter authorization_code .)	String	Required	authorization_code

Sample Return

Status	Response
200	<pre>{ "access_token": "2261bac252204c2ea93ed32ea1ffd3ab", "id_token": "HJTX3gAAAAPXvOfOf4TA4lvblRjDTKbVo/NZEWCXF0KK7BmlJhcvfPXJ/nRzFJpY1eFX0gpBH "expires_in": 1800, "token_type": "Bearer" }</pre>

Post Reissue Token

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Post Reissue Token** API reissues a new access token for the current user.

After 30 minutes, a token expires. If you think your API session will last longer than 30 minutes, you can use this API to reissue a new token before the original token expires. This process does not require you to authenticate again.

Sample request

```
POST https://api.armor.com/auth/token/reissue

{
  "token": "2261bac252204c2ea93ed32ea1ffd3ab"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/auth/token/reissue	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
token	The original token, previously created from the Post Token API call.	GUID	Required	2261bac252204c2ea93ed32ea1ffd3ab

Sample return

Status	Response
200	<pre>{ "access_token": "2c307390e95843e38804f40ca8cac03e", "id_token": null, "expires_in": 1800, "token_type": "Bearer" }</pre>

Get Authenticated User Info

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Authenticated User Info** API returns information about the current authenticated user, including account membership and permissions.

Sample Request

```
GET https://api.armor.com/me
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/me	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
{
  "user": {
    "type": "user",
    "username": "test.dev@armor.com",
    "firstName": "Development",
    "lastName": "Test",
    "links": {
      "userId": 2
    }
  },
  "accounts": [
    {
      "id": 2,
      "currency": "USD",
      "name": "Development Test Account",
      "status": "Claimed",
      "parent": 1,
      "products": null
    }
  ],
  "permissions": {
    "2": [
      "1",
      "15"
    ]
  },
  "features": [
    {
      "accountId": 2,
      "feature": "AA-CORE",
      "productId": 1,
      "featureId": null
    },
    {
      "accountId": 2,
      "feature": "ARMOR-COMPLETE.OPERATING-SYSTEM-PATCHING",
      "productId": 2,
      "featureId": 3
    },
    {
      "accountId": 2,
      "feature": "ARMOR-COMPLETE",
      "productId": 2,
      "featureId": 10
    }
  ]
}
```

400

Bad Request

Password Recovery - Initiate Email Request

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Password Recovery - Initiate Email Request** API initiates a password recovery for a user account. The user will receive an email that contains password recovery instructions.

Sample request

```
POST https://api.armor.com/recovery
{
  "username": "user@example.com"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
username	Your AMP username, which is the email address associated with your account	Email address	Required	user@example.com

Sample return

Status	Response
200	<pre>{ "success": true }</pre>
400	<pre>Bad Request</pre>

Password Recovery - Initiate SMS Request

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Password Recovery - Initiate SMS Request** API initiates a password recovery for a user account. The user will receive an SMS-based OTP to the primary phone number on the user account.

Sample Request

```
POST https://api.armor.com/recovery/initiatesms
{
  "username": "user@example.com"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery/initiatesms	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
username	Your AMP username, which is the email address associated with your account	Email address	Required	user@example.com

Sample return

Status	Response
200	<pre>{ "isValid": true, "token": "abcd1234", "message": "Ok" }</pre>
400	<pre>Bad Request</pre>

Password Recovery - Complete SMS Request

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Password Recovery - Complete SMS Request** API redeems an SMS-based OTP for a password reset token. This token can be redeemed for a password reset grant token using the recovery validation API call ([Password Recovery - Validate](#)).

Sample request

```
POST https://api.armor.com/recovery/completesms
{
  "username": "user@example.com",
  "otp": "123456",
  "token": "abcd1234"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery/completesms	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
username	Your AMP username, which is the email address associated with your account	String	Required	user@example.com
otp	The code generated from the Password Recovery - Initiate SMS Request API call.	Integer	Required	123456
token	The one-time password received via text message.	GUID	Required	abcd1234

Sample return

Status	Response
--------	----------

200	<pre>{ "isValid": true, "token": "abcd1234", "message": "Ok" }</pre>
400	Bad Request

Password Recovery - Get User Context

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Password Recovery - Get User Context** API retrieves a user's password recovery context. A password recovery can take place via email or SMS. This API returns the user's preference for receiving a password recovery.

Sample request

```
GET https://api.armor.com/recovery/context/user@example.com
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery/usercontext/{userName}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
username	Your AMP username, which is the email address associated with your account	Email address	Required	user@example.com

Sample return

Status	Response
200	<pre>{ "isValid": true, "maskedPhoneNumber": "(***) *** **55" }</pre>
400	<pre>Bad Request</pre>

Password Recovery - Validate

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Password Recovery - Validate** API validates a password reset recovery token in exchange for a password reset grant token.

You can use the [Password Recovery - Initiate Email Request API](#) or [Password Recovery - Initiate SMS Request API](#) to retrieve the recovery ID (token).

Sample Request

```
POST https://api.armor.com/recovery/abcd1234/actions/validate
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery/{recoveryId}/actions/validate	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
recoveryID	The token you received from the Password Recovery - Complete SMS Request API call	GUID	Required	abcd1234

Sample return

Status	Response
200	<pre>{ "grantId": "abcd1234", "reason": null, "success": true }</pre>
400	<pre>Bad Request</pre>

Recovery - Delete

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Recovery - Delete** API deletes a password recovery token.

Sample request

```
DELETE https://api.armor.com/recovery/abcd1234
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/recovery/{recoveryId}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
recoveryID	The token you received from the Password Recovery - Complete SMS Request API call	GUID	Required	abcd1234

Sample return

Status	Response
204	
403	Bad Request

Initiate Password Reset

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Initiate Password Reset** API call initiates a password reset.

You can use the [Get Users](#) API to find the `userId` (id).

Sample Request

```
POST https://api.armor.com/reset/initiate

{
  userId:0
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/reset/initiate	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
userId	The ID of the user	Integer	Required	0

Sample return

Status	Response
200	<pre>{ "success": true }</pre>

400

Bad Request
{}

Reset Password

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Reset Password** API call redeems a password reset grant, and then resets a user's password.

Sample request

```
POST https://api.armor.com/reset

{
  "grantID": "E76566E3C1FE47A99F89A343EF32352D",
  "newPassword": "pass1234"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/reset	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
grantID	The grantID received from the recovery workflow as documented in the recovery section.	String	Required	E76566E3C1FE47A99F89A343EF32352D
newPassword	The new password for the user, assuming the grant is accepted.	String	Required	pass1234

Sample return

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Status	Response
200	<pre>{ "success": true }</pre>

403

Bad Request
{ }

Infrastructure API Calls

This topic only applies to **Armor Complete - Secure Hosting** users.

Infrastructure API call	Description	Product compatibility
Get Workloads	The Get Workloads API retrieve any workloads that are associated to your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get Workload	The Get Workload API retrieves details for a workload that is associated to your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Update Workload	The Update Workload API updates the details for a workload associated to your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Delete Workload	The Delete Workload API deletes a workload in your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Create Tier	The Create Tier API creates a new tier on an existing workload.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get Tier	The Get Tier API retrieves information for a specified tier from a workload.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get Tiers	The Get Tiers API retrieves all the tiers associated with a specified workload.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Delete Tier	The Delete Tier API deletes a single tier from a workload.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Update Tier	The Update Tier API updates a tier on a workload.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get Locations	The Get Locations API displays available locations to provision new servers.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get VMs	The Get VMs API displays a list of virtual machines in your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting
Get VM Detail	The Get VM Detail API displays details for a specific virtual machine.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting

Delete VM	The Delete VM API deletes a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Update VM Name	The Update VM Name API updates the name of a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Adjust VM Resources	The Adjust VM Resources API call updates a virtual machine to a new, fixed instance in order to increase/decrease CPU and/or memory.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Perform VM Power Actions	The Perform VM Power Actions API call performs a power action on a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get VM Resource Stats	The Get VM Resource Stats API retrieves statistics for your virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Orders	The Get Orders API retrieves the list of orders that are associated with your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Order	The Get Order API retrieves a specific order for your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Create New Virtual Machine	The Create New Virtual Machine API creates a new virtual machine (VM) order.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Create New Subscriptions	The Create New Subscriptions API submits a subscription order.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Storage Summary	The Get Storage Summary API returns a list of virtual machines, the related storage summaries for each storage tier (SSD, FLUID, RAW), and the location the storage is utilized.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Available Storage	The Get Available Storage API returns a list of available storage products that be added to a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Add Storage Disk to VM	The Add Storage Disk to VM API adds a disk to a virtual machine through the ID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Delete Storage Disk	The Delete Storage Disk API deletes the specified disk via ID for the specified virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Tasks	The Get Tasks API retrieves a list of scheduled events that are associated with your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Delete Tasks	The Delete Tasks API deletes a scheduled event that is associated to an entity ?	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting

Get Workloads

Overview

The **Get Workloads** API retrieve any workloads that are associated to your account.

You can use this information to find the workload ID (**id**) and app ID (**id**). You will need this ID for other workload-related APIs.

Sample request

```
GET https://api.armor.com/apps
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------


```
[
  {
    "id": 1,
    "name": "VMA",
    "location": "DFW01",
    "zone": "dfw01-vc01",
    "status": 8,
    "deployed": false,
    "tierCount": 1,
    "vmCount": 13,
    "totalCpu": 1,
    "totalMemory": 2048,
    "totalStorage": 30720,
    "notes": null,
    "health": 0,
    "tags": []
  },
  {
    "id": 4,
    "name": "VMW",
    "location": "PHX01",
    "zone": "phx01-vc01",
    "status": 100,
    "deployed": false,
    "tierCount": 1,
    "vmCount": 1,
    "totalCpu": 0,
    "totalMemory": 0,
    "totalStorage": 0,
    "notes": null,
    "health": 2,
    "tags": []
  }
]
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	0

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved

1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Get Workload

Overview

The **Get Workload** API retrieves details for a workload in your account.

You can use the [Get Workloads](#) API to find the workload ID (**id**).

Sample request

```
GET https://api.armor.com/apps/1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID of the workload to retrieve	Integer	Required	1

Sample return

Status	Response
--------	----------

```
{
  "id": 1,
  "name": "VMA",
  "location": "DFW01",
  "zone": "DFW01-VC01",
  "status": 8,
  "deployed": false,
  "tierCount": 1,
  "vmCount": 13,
  "totalCpu": 1,
  "totalMemory": 2048,
  "totalStorage": 30720,
  "tiers": [
    {
      "id": 1,
      "name": "VMA",
      "vms": [
        {
          "id": 1,
          "coreInstanceId": "00000000-0000-0000-0000-000000000000",
          "name": "VMA",
          "provider": null,
          "location": null,
          "zone": null,
          "ipAddress": null,
          "status": 4,
          "appId": 0,
          "appName": null,
          "osId": null,
          "os": "Ubuntu 14.04",
          "deployed": false,
          "cpu": 1,
          "memory": 2048,
          "storage": 30720,
          "notes": null,
          "vCenterId": 0,
          "vCenterName": null,
          "product": null,
          "uuid": null,
          "health": 1,
          "tags": [],
          "scheduledEvents": null
        }
      ]
    }
  ],
  "notes": null,
  "health": 0,
  "tags": []
}
```

400

```

{
  "error": true,
  "message": "Unable to find workload"
}

```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	4

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Update Workload

Overview

The **Update Workload** API updates the details for a workload in your account, specifically the name of the workload.

You can use the [Get Workloads](#) API to find the workload ID (**id**).

Sample request

```
PUT https://api.armor.com/apps/1

{
  "id": 1,
  "name": "VMW Workload"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{id}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the workload	Required	Integer	1
Name	The new name for the workload	Required	String	VMW Workload
id	The ID of the workload	Required	Integer	1

Sample return

Status	Response
--------	----------

```
{
  "id": 1,
  "name": "VMA",
  "location": "DFW01",
  "zone": "DFW01-VC01",
  "status": 8,
  "deployed": false,
  "tierCount": 1,
  "vmCount": 13,
  "totalCpu": 1,
  "totalMemory": 2048,
  "totalStorage": 30720,
  "tiers": [
    {
      "id": 1,
      "name": "VMA",
      "vms": [
        {
          "id": 1,
          "coreInstanceId": "00000000-0000-0000-0000-000000000000",
          "name": "VMA",
          "provider": null,
          "location": null,
          "zone": null,
          "ipAddress": null,
          "status": 4,
          "appId": 0,
          "appName": null,
          "osId": null,
          "os": "Ubuntu 14.04",
          "deployed": false,
          "cpu": 1,
          "memory": 2048,
          "storage": 30720,
          "notes": null,
          "vCenterId": 0,
          "vCenterName": null,
          "product": null,
          "uuid": null,
          "health": 1,
          "tags": [],
          "scheduledEvents": null
        }
      ]
    }
  ],
  "notes": null,
  "health": 0,
  "tags": []
}
```

400

```

{
  "error": true,
  "message": "Invalid request"
}

```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	4

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Delete Workload

Overview

The **Delete Workload** API deletes a workload in your account.

The workload must be empty in order to delete. You can empty the workload by deleting the virtual machine. You can use the [Delete VM API](#) to delete the virtual machine.

You can use the [Get Workloads API](#) to find the workload ID (**id**).

Sample request

```
DELETE https://api.armor.com/apps/7
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the workload to delete.	Required	Integer	7

Sample return

Status	Response
202	<pre>Accepted</pre>
400	<pre>{ "error": true, "message": "A workload cannot be deleted unless it is empty. Please delete all virtual machines before deleting the workload." }</pre>

Create Tier

Overview

The **Create Tier** API creates a new tier on an existing workload. You can use tiers to group and organize servers within a workload.

You can use the [Get Workloads](#) API to find the workload ID (**id**).

Sample request

```
POST https://api.armor.com/apps/1/tiers

{
  "name": "New Tier 3"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{appld}/tiers	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
appld	The ID of the workload that you want to add a tier to	Required	Integer	1
tierDto	The name of the new tier	Required	Object	New Tier 3

Sample return

Status	Response
--------	----------

```

{
  "id": 1,
  "name": "string",
  "location": null,
  "zone": null,
  "status": 8,
  "deployed": false,
  "tierCount": 4,
  "vmCount": 13,
  "totalCpu": 1,
  "totalMemory": 2048,
  "totalStorage": 30720,
  "tiers": [
    {
      "id": 5,
      "name": "New Tier 1",
      "vms": []
    },
    {
      "id": 6,
      "name": "New Tier 2",
      "vms": []
    },
    {
      "id": 7,
      "name": "New Tier 3",
      "vms": []
    }
  ],
  "notes": null,
  "health": 0,
  "tags": []
}

```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	8

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved

2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Get Tier

Overview

The **Get Tier** API retrieves information for a specified tier from a workload.

You can use this API to find the virtual machine associated with this tier.

You can use the [Get Workloads](#) API to find the workloadID (id).

You can use the **Get Tiers** API to find the tierId (id).

Sample request

```
GET https://api.armor.com/apps/1/tiers/6
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{appId}/tiers/{tierId}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
appId	The ID of the workload that contains the tier	Required	Integer	1
tierId	The ID of the tier	Required	Integer	6

Sample return

Status	Response
200	<pre>{ "id": 5, "name": "New Tier 1", "vms": [] }</pre>

400



Get Tiers

Overview

The **Get Tiers** API retrieves all the tiers associated with a specified workload.

You can use the [Get Workloads](#) API to find the workloadID (id).

Sample request

```
GET https://api.armor.com/apps/1/tiers
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{appld}/tiers	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
appld	The ID of the workload that contains the tier	Required	Integer	1

Sample return

Status	Response
--------	----------

200

```
{
  "tiers": [
    {
      "id": 5,
      "name": "New Tier 1",
      "vms": []
    },
    {
      "id": 7,
      "name": "New Tier 3",
      "vms": []
    }
  ]
}
```

400

Delete Tier

Overview

The **Delete Tier** API deletes a single tier from a workload.

In order to delete a tier, the tier cannot contain any virtual machines or servers.

You can use the [Get Workloads](#) API to find the workloadID (id).

You can use the [Get Workload](#) API to find the tierId (id).

Sample request

```
DELETE https://api.armor.com/apps/1/tiers/6
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{appld}/tiers/{tierId}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
appld	The ID of the workload that contains the tier	Required	Integer	1
tierId	The ID of the tier to delete	Required	Integer	6

Sample return

Status	Response
--------	----------

200

```
{
  "id": 1,
  "name": "string",
  "location": null,
  "zone": null,
  "status": 8,
  "deployed": false,
  "tierCount": 4,
  "vmCount": 13,
  "totalCpu": 1,
  "totalMemory": 2048,
  "totalStorage": 30720,
  "tiers": [
    {
      "id": 5,
      "name": "New Tier 1",
      "vms": []
    },
    {
      "id": 7,
      "name": "New Tier 3",
      "vms": []
    }
  ],
  "notes": null,
  "health": 0,
  "tags": []
}
```

400

```
Trying to delete a tier with VMs
{
  "error": true,
  "message": "You cannot delete a tier that has vms assigned to it."
}
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	8

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created

0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Update Tier

Overview

The **Update Tier** API updates a tier on a workload.

You can use the [Get Workloads](#) API to find the workloadID (id).

You can use the [Get Workload](#) API to find the tierId (id).

Sample request

```
PUT https://api.armor.com/apps/1/tiers/5

{
  "name": "New Tier 1"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/apps/{appld}/tiers/{tierId}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
appld	The ID of the workload that contains the tier	Required	Integer	1
tierId	The ID of the tier to delete	Required	Integer	5
tier	The updated tier details	Required	Object	New Tier 1

Sample return

Status	Response
200	<pre>{ "id": 1, "name": "string", "location": "DFW01", "zone": "DFW01-VC01", "status": 8,</pre>

```
"deployed": false,
"tierCount": 2,
"vmCount": 13,
"totalCpu": 1,
"totalMemory": 2048,
"totalStorage": 30720,
"tiers": [
  {
    "id": 1,
    "name": "SMOKE-TEST-1",
    "vms": [
      {
        "id": 1,
        "coreInstanceId":
"00000000-0000-0000-0000-000000000000",
        "name": "Smoke-Test-A1",
        "provider": null,
        "location": null,
        "zone": null,
        "ipAddress": null,
        "status": 4,
        "appId": 0,
        "appName": null,
        "osId": null,
        "os": "Ubuntu 14.04",
        "deployed": false,
        "cpu": 1,
        "memory": 2048,
        "storage": 30720,
        "notes": null,
        "vCenterId": 0,
        "vCenterName": null,
        "product": null,
        "uuid": null,
        "health": 1,
        "tags": [],
        "scheduledEvents": null
      }
    ]
  },
  {
    "id": 5,
    "name": "New Tier 1",
    "vms": [
      {
        "id": 9,
        "coreInstanceId":
"00000000-0000-0000-0000-000000000000",
        "name": "New_Test_01",
        "provider": null,
        "location": null,
        "zone": null,
        "ipAddress": null,
```

```
        "status": 100,  
        "appId": 0,  
        "appName": null,  
        "osId": null,  
        "os": "Ubuntu 14.04",  
        "deployed": false,  
        "cpu": 1,  
        "memory": 2048,  
        "storage": 30720,  
        "notes": null,  
        "vCenterId": 0,  
        "vCenterName": null,  
        "product": null,  
        "uuid": null,  
        "health": 0,  
        "tags": [],  
        "scheduledEvents": null  
    }  
    ]  
}  
],  
"notes": null,  
"health": 0,  
"tags": []
```

```
}
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	8, 4

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Get Locations

Overview

The **Get Locations** API displays available locations and zones to create new servers.

Sample request

```
GET https://api.armor.com/locations
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/locations	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "id": 1, "location": "DFW01", "name": "US Central", "zones": ["DFW01T01-VC01"] }, { "id": 2, "location": "PHX01", "name": "US West", "zones": ["PHX01T01-VC03", "PHX01T01-VC02", "PHX01T01-VC01"] }]</pre>

400

```
Bad Request  
{}
```

Get VMs

Overview

The **Get VMs** API displays a list of virtual machines in your account.

This API also displays any schedule events associated with the virtual machine, such as a scheduled downgrade.

You can use this API to find the virtual machine ID. You will need this ID for other virtual machine-related APIs.

Sample request

```
GET https://api.armor.com/vms
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
{
  "coreInstanceId":
  "06daafab-bffb-4f81-8cbf-532faad97037",
  "dateCreated": null,
  "providerRefId": null,
  "provider": "complete",
  "hostName": null,
  "externalAddress": null,
  "isRegistered": null,
  "dateRegistered": null,
  "lastPing": null,
  "needsReboot": null,
  "customProvider": null,
  "customLocation": null,
  "instanceType": null,
  "status": 0,
  "isCore": true,
  "externalVmIsDeleted": null,
  "accountId": 98345,
  "vmId": 21309821,
  "workLoadId": 1232,
  "workLoadName": "General Dynamics Web",
  "location": "DFW01",
  "operatingSystem": "CentOS 6.7",
  "isArmor": true,
  "ipAddress": "100.64.0.120",
  "zone": "DFW01-CD01",
  "name": "Website Public",
  "cpu": 1,
  "memory": 2048,
  "storage": 81920,
  "statusId": 4,
  "deployed": true,
  "product": {
    "sku": "A1-101",
    "size": "A1",
    "isExpired": false
  },
  "tags": [],
  "scheduledEvents": [{
    "entityType": "3",
    "entityId": "1345",
    "action": "delete",
    "taskDate": "2016-09-01T00:00:00",
    "maintenanceWindow": 60
  }
]
}
```

400	Bad Request
-----	-------------

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	0
taskDate	Date and time	The date and time, in combined date and time format (ISO 8601), of when the event will take place	Any date and time	2016-09-01T00:00:00
maintenanceWindow	Integer	A countdown of when the event will take place	Any value in minutes	60

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Get VM Detail

Overview

The **Get VM Detail** API displays details for a specific virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**id**).

Sample request

```
GET https://api.armor.com/vms/6
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the virtual machine	Required	Integer	6

Sample return

Status	Response
--------	----------

```
{
  "canUseFluidScale": false,
  "disks": [
    {
      "id": 1,
      "capacity": 30720,
      "name": "Disk 1",
      "type": "SSD"
    }
  ],
  "isDeleted": false,
  "id": 1,
  "coreInstanceId": "00000000-0000-0000-0000-000000000000",
  "name": "Website Public",
  "provider": "4",
  "location": "DFW01",
  "zone": "DFW01-VC01",
  "ipAddress": "",
  "status": 4,
  "appId": 1,
  "appName": "General Dynamics Web",
  "osId": null,
  "os": "Ubuntu 14.04",
  "deployed": true,
  "cpu": 1,
  "memory": 2048,
  "storage": 30720,
  "notes": null,
  "vCenterId": 2,
  "vCenterName": "DFW01-VC01",
  "product": {
    "sku": "A1-122",
    "size": "A1",
    "isExpired": false
  },
  "uuid": "urn:vcloud:vm:3aae18f5-8656-42b6-bd45-772bb3404c8e",
  "health": 1,
  "tags": [
    "tag1"
  ],
  "scheduledEvents": [{
    "entityType": "3",
    "entityId": "1345",
    "action": "delete",
    "taskDate": "2016-09-01T00:00:00",
    "maintenanceWindow": 60
  }
}
```

400	Bad Request
-----	-------------

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
canUseFluidScale	Boolean value	FluidScale allows for application scaling without a reboot.	true, false	false
status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	4
taskDate	Date and time	The date and time, in combined date and time format (ISO 8601), of when the event will take place	Any date and time	2016-09-01T00:00:00
maintenanceWindow	Integer	A countdown of when the event will take place	Any value in minutes	60

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Delete VM

Overview

The **Delete VM** API deletes a virtual machine.

You can use the [Get VMs](#) to find the virtual machine ID (**id**) and account ID (**accountId**).

Sample request

```
DELETE https://api.armor.com/vms/6

{
  "accountId": 2,
  "vmId": 6,
  "userEmail": "test.dev@armor.com",
  "isActive": true,
  "deleteNow": true
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the virtual machine	Required	Integer	6
accountId	The ID of the AMP account.	Required	Integer	2
vmId	The ID of the virtual machine	Required	Integer	6
userEmail	The email address (AMP username) for the account holder.	Required	String	test.dev@armor.com
isActive	The status of the virtual machine	Required	Boolean	true
deleteNow	The desire to delete the virtual machine	Required	Boolean	true

Sample return

Status	Response
--------	----------

200	<div data-bbox="277 138 1446 247" style="border: 1px dashed blue; padding: 5px;">True</div>
400	<div data-bbox="277 289 1446 399" style="border: 1px dashed blue; padding: 5px;">Bad Request</div>

Update VM Name

Overview

The **Update VM Name** API updates the name of a virtual machine.

You can use the [Get VMs](#) to find the virtual machine ID (**id**).

Sample request

```
PUT https://api.armor.com/vms/9

{
  "id": 9,
  "name": "VMW001",
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms/{id}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the virtual machine	Required	Integer	9
name	The name you want to use for the virtual machine	Required	String	VMW001

Sample return

Status	Response
--------	----------

200

```
{
  "canUseFluidScale": false,
  "disks": [],
  "isDeleted": false,
  "id": 9,
  "coreInstanceId": "06daafab-bfffb-4f81-8cbf-532faad97037",
  "name": "VMW001",
  "provider": "4",
  "location": "DFW01",
  "zone": "DFW01-VC01",
  "ipAddress": "",
  "status": 100,
  "appId": 1,
  "appName": "General Dynamics Web",
  "osId": null,
  "os": "Ubuntu 14.04",
  "deployed": false,
  "cpu": 1,
  "memory": 2048,
  "storage": 30720,
  "notes": null,
  "vCenterId": 2,
  "vCenterName": "A-VC01",
  "product": {
    "sku": "A1-122",
    "size": "A1",
    "isExpired": false
  },
  "uuid": "urn:firehost:b5e1892b-bf4d-4209-b513-83c04f187ca3",
  "health": 0,
  "tags": [],
  "scheduledEvents": []
}
```

400

Bad Request

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
canUseFluidScale	Boolean value	FluidScale allows for application scaling without a reboot.	true, false	false
taskDate	Date and time	The date and time, in combined date and time format (ISO 8601), of when the event will take place	Any date and time	2016-09-01T00:00:00

maitenanceWindow	Integer	A countdown of when the event will take place	Any value in minutes	60
------------------	---------	---	----------------------	----

Adjust VM Resources

Overview

The **Adjust VM Resources** API call updates a virtual machine to a new, fixed instance in order to increase/decrease CPU and/or memory.

When you upgrade, your virtual machine will be upgraded immediately. Your next bill will be pro-rated to reflect this upgrade.

When you downgrade a virtual machine, the changes will take place at the end of the billing cycle.

You can use the **GET <https://api.armor.com/products/ID>** API to find the product SKU (**sku**) for additional resources.

You can use the **Get VMs** API to find the virtual machine ID (**id**) and account ID (**accountId**).

Sample request

```
POST https://api.armor.com/vms/6/adjustResources

{
  "accountId": 2,
  "vmId": 6,
  "userEmail": "test.dev@armor.com",
  "sku": "A1-122",
  "updateNow": true
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms/{id}/adjustResources	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the virtual machine	Required	Integer	6
accountId	The ID of the AMP account.	Required	Integer	2
vmId	The ID of the virtual machine	Required	Integer	6
userEmail	The email address (AMP username) for the account holder.	Required	String	test.dev@armor.com
sku	The product SKU	Required	GUID	A1-122

updateNow	Upgrades will take place right away; downgrades will take place at the end of the billing cycle. (You must enter true .)	Required	Boolean	true
-----------	--	----------	---------	------

Sample return

Status	Response
200	True
400	Bad Request

Perform VM Power Actions

Overview

The **Perform VM Power Actions** API call performs a power action on a virtual machine.

You can use the [Get VMs](#) to find the virtual machine ID (**id**).

Sample request

```
POST https://api.armor.com/vms/1/power/reset
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/vms/{id}/power/{powerAction}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
id	The ID of the virtual machine	Required	Integer	1
powerAction	The desired action: <ul style="list-style-type: none">• on - This action will turn on your virtual machine.• off - This action will turn off your virtual machine• forceOff - This action will forcefully turn off your virtual machine if off does not respond.• shutdown - This action will turn off the operating system on your virtual machine.• reboot - This action will reset the operating system on your virtual machine.• reset - This action will reboot your virtual machine.	Optional	String	reset

Sample return

Status	Response
--------	----------

200

```
{
  "canUseFluidScale": false,
  "disks": [],
  "isDeleted": false,
  "id": 9,
  "coreInstanceId": "00000000-0000-0000-0000-000000000000",
  "name": "New_Test_0100",
  "provider": "4",
  "location": "DFW01",
  "zone": "DFW01-VC01",
  "ipAddress": "",
  "status": 8,
  "appId": 1,
  "appName": "General Dynamics Web",
  "osId": null,
  "os": "Ubuntu 14.04",
  "deployed": false,
  "cpu": 1,
  "memory": 2048,
  "storage": 30720,
  "notes": null,
  "vCenterId": 2,
  "vCenterName": "DFW01-VC01",
  "product": {
    "sku": "A1-122",
    "size": "A1",
    "isExpired": false
  },
  "uuid": "urn:firehost:b5e1892b-bf4d-4209-b513-83c04f187ca3",
  "health": 0,
  "tags": [],
  "scheduledEvents": []
}
```

400

Bad Request

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
canUseFluidScale	Boolean value	FluidScale allows for application scaling without a reboot.	true, false	false

status	Integer	The state of the object	A range of numbers from -1 to 19 (See Note below for possible values)	8
taskDate	Date and time	The date and time, in combined date and time format (ISO 8601), of when the event will take place	Any date and time	2016-09-01T00:00:00
maitenanceWindow	Integer	A countdown of when the event will take place	Any value in minutes	60

The following table lists the possible return values for **Status**.

Numeric value	String value	Description
-1	FAILED_CREATION	The object could not be created
0	UNRESOLVED	The object is unresolved
1	RESOLVED	The object is resolved
2	DEPLOYED	The object is deployed
3	SUSPENDED	The object is suspended
4	POWERED_ON	The object is powered on
5	WAITING_FOR_INPUT	The object is waiting for user input
6	UNKNOWN	The object is in an unknown state
7	UNRECOGNIZED	The object is in an unrecognized state
8	POWERED_OFF	The object is in an unrecognized state
9	INCONSISTENT_STATE	The object is in an inconsistent
10	MIXED	Children do not all have the same status
11	DESCRIPTION_PENDING	Upload initiated, OVF descriptor pending
12	COPYING_CONTENTS	Upload initiated, copying contents
13	DISK_CONTENTS_PENDING	Upload initiated, disk contents pending
14	QUARANTINED	Upload has been quarantined
15	QUARANTINE_EXPIRED	Upload quarantine period has expired
16	REJECTED	Upload has been rejected
17	TRANSFER_TIMEOUT	Upload transfer session timed out
18	VAPP_UNDEPLOYED	The vApp is resolved and undeployed
19	VAPP_PARTIALLY_DEPLOYED	The vApp is resolved and partially deployed.

Get VM Resource Stats

Overview

The **Get VM Resource Stats** API retrieves statistics for your virtual machine.

You can use the [Get VMs](#) to find the virtual machine ID (**id**).

Sample request

```
GET
https://api.armor.com/stats/vms/1?Interval=5m&StartDate=2015-12-08T00:00:00&EndDate=2015-01-07T23:59:59
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/stats/vms/{vmlId}?Interval={Interval}&StartDate={startDate}&EndDate={EndDate}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
vmlId	The ID for the virtual machine	Required	Integer	1
Interval	The interval of information to display, in minutes	Required	String	5m
startDate	The start date and time, in combined date and time format (ISO 8601)	Required	DateTime	2015-12-08T00:00:00
endDate	The end date and time, in combined date and time format (ISO 8601)	Required	DateTime	2015-01-07T23:59:59

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
--------	----------

200

```
{
  "vmId": "1",
  "cpu": [
    {
      "t": "2015-03-05T21:00:00",
      "v": 0,
      "s": "cpu"
    }
  ],
  "network": [
    {
      "t": "2015-03-05T21:00:00",
      "v": 0,
      "s": "network"
    }
  ],
  "memory": [
    {
      "t": "2015-03-05T21:00:00",
      "v": 0,
      "s": "memory"
    }
  ]
}
```

400

Bad Request

Get Orders

Overview

The **Get Orders** API retrieves the list of orders that are associated with your account.

Sample request

```
GET https://api.armor.com/orders
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/orders	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "orderId": 101, "accountId": 2, "appId": null, "dateOrdered": "2015-01-01", "status" : "Provisioned", "JsonData": "{}", "Secret": null, "createdBy": "user@example.com" }]</pre>

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
Secret	String	The password to your virtual machine. For security reasons, this password is hidden.	null	null

Get Order

Overview

The **Get Order** API retrieves a specific order for your account.

You can use the [Get Orders](#) API to find the order ID (**orderId**).

Sample request

```
GET https://api.armor.com/orders/1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/orders/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
ID	The ID of the order	Required	Integer	1

Sample return

Status	Response
200	<pre>{ "orderId": 101, "accountId": 2, "appId": null, "dateOrdered": "2015-01-01", "status": "Provisioned", "jsonData": "{}", "secret": null, "createdBy": "user@example.com" }</pre>

400

```
{  
  "error": true,  
  "message": "Invalid request"  
}
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
Secret	String	The password to your virtual machine. For security reasons, this password is hidden.	null	null

Create New Virtual Machine

Overview

The **Create New Virtual Machine** API creates a new virtual machine.

You can use the [Get Locations](#) API to find locations to add a new virtual machine.

Sample request

```
POST https://api.armor.com/orders/vms
{
  "name": "NewVirtualMachine",
  "location": "dfw01",
  "appId": -1,
  "appName": "NewWorkload",
  "tierId": -1,
  "tierName": "NewTier",
  "storage": [],
  "secret": "kbwcEFufHBc$j#Z97HWMXdPCss",
  "sku": "A1-101",
  "quantity": 1
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/orders/vms	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
name	The name of the virtual machine	Required	String	NewVirtualMachine
location	The data center for the virtual machine	Required	String	dfw01
appld	The ID of the workload for the virtual machine	Required <small>(You must enter a value if appName is null.)</small>	Integer	-1

appName	The name of the new workload that will contain the virtual machine	Required (You must enter a value if appld is null.)	String	NewWorkload
tierId	The ID for the virtual machine	Required (You must enter a value if tierName is null.)	Integer	-1
tierName	The name of a new tier that will contain the virtual machine	Required (You must enter a value if tierId is null.)	String	NewTier
disks	The array for additional disks (also known as storage) for the virtual machine	Optional	StorageOrderItem[]	
secret	The password to the virtual machine (This password must contain at least one upper-case letter, one lower-case letter, a number, and special character. Additionally, this password must be at least 16 characters in length.)	Required	String	kbwcEFufHbc\$j#Z97HWMXdPCss
sku	The product identifier for the virtual machine	Required	String	A1-101
quantity	The quantity of virtual machines to order	Required (You must enter 1.)	Integer	1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 33,
  "accountId": 2,
  "status": "submitted",
  "dateCreated": "2015-01-07T02:21:00.00000Z",
  "vms": [
    {
      "trackingId": "00000000-0000-0000-0000-000000000000"
      "name": "NewVirtualMachine",
      "location": "dfw01",
      "zone": null,
      "appId": -1,
      "appName": "NewWorkload",
      "tierId": -1,
      "tierName": "NewTier",
      "storage": [
        {
          "size": 30,
          "sku": "SAN-001",
          "quantity": 0,
          "accountId": 0
        }
      ],
      "software": [
        {
          "sku": "CentOS 6",
          "parameters": [],
          "type": "os",
          "quantity": 0,
          "accountId": 0
        }
      ],
      "secret": null,
      "sku": "A1-101",
      "quantity": 1,
      "accountId": 0
    }
  ]
}
```

400

```
{
  "error": true,
  "message": "Invalid request"
}
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
Secret	String	The password to your virtual machine. For security reasons, this password is hidden.	null	null

Create New Subscriptions

Overview

The **Create New Subscriptions** API submits a subscription order.

You can use the [Get Available Storage](#) API to find the storage SKU (**SKU**).

Sample request

```
POST https://api.armor.com/orders/subscriptions
{
  "sku": "DB-SQL-EXPRESS-2012",
  "quantity": 1
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/orders/subscriptions	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
sku	The product identifier for the requested product	Required	String	DB-SQL-EXPRESS-2012
Quantity	The quantity of product to order	Required	Integer	1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 33,
  "accountId": 2,
  "status": "submitted",
  "dateCreated": "2015-01-07T02:00:00.000Z"
  "subscriptions": [{
    "location": null,
    "sku": "DB-SQL-EXPRESS-2012",
    "quantity": 1,
    "accountId": 2
  }]
}
```

400

Invalid Request

Get Storage Summary

Overview

The **Get Storage Summary** API returns a list of virtual machines, the related storage summaries for each storage tier (SSD, FLUID, RAW), and the location the storage is utilized.

Sample request

```
GET https://api.armor.com/storage/summary
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/storage/summary	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

200

```
{
  "vms": [
    {
      "id": 25,
      "name": "JasonWindows3",
      "location": "DFW01",
      "ssd": 0,
      "fluid": 0,
      "raw": 0,
      "total": 0
    },
    {
      "id": 10484,
      "name": "sp Ubuntu",
      "location": "PHX01",
      "ssd": 30720,
      "fluid": 0,
      "raw": 0,
      "total": 30720
    }
  ],
  "templates": []
}
```

403

```
Forbidden
{
  "Message": "Permission Denied to requested resource."
}
```

Get Available Storage

Overview

The **Get Available Storage** API returns a list of available storage products that can be added to a virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmlId**).

Sample request

```
GET https://api.armor.com/vms/8939/availableStorage
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
vms/{vmlId}/availableStorage	GET

There are no parameters for this API call.

Parameter	Description	Required or optional	Type	Example
vmlId	The ID of the virtual machine	Required	Integer	8939

Sample return

Status	Response
200	<pre>[{ "id": 1, "name": "SSD (GB)", "sku": "SAN-001", "category": "Disk", "description": "SSD-based storage", "tier": "SSD", "min": 10, "max": 500, "increment": 10, "price": [{ "location": "DFW01", "amount": 1.7 }] }]</pre>

```
    },
    {
      "location": "SIN01",
      "amount": 2
    }
  ]
},
{
  "id": 2,
  "name": "RAW (GB)",
  "sku": "SAN-003",
  "category": "Disk",
  "description": "RAW-based storage",
  "tier": "RAW",
  "min": 250,
  "max": 2000,
  "increment": 250,
  "price": [
    {
      "location": "DFW01",
      "amount": 0.15
    },
    {
      "location": "SIN01",
      "amount": 0.18
    }
  ]
},
{
  "id": 3,
  "name": "Fluid (GB)",
  "sku": "SAN-002",
  "category": "Disk",
  "description": "Fluid-based storage",
  "tier": "Fluid",
  "min": 50,
  "max": 2000,
  "increment": 50,
  "price": [
    {
      "location": "DFW01",
      "amount": 0.75
    },
    {
      "location": "SIN01",
      "amount": 0.9
    }
  ]
}
```

```
]
}
]
```

403

```
Forbidden
{
  "Message": "Permission Denied to requested resource."
}
```

Add Storage Disk to VM

Overview

The **Add Storage Disk to VM** API adds a disk to a virtual machine through the ID.

You can use the [Get VMs API](#) to find the virtual machine ID (**vmlid**).

You can use the [Get Available Storage API](#) to find the storage SKU (**SKU**).

Sample request

```
POST https://api.armor.com/vms/8939/disk

{"storage": [{"Size": 10, "Sku": "SAN-001"}]}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
vms/{vmlid}/disk	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
vmlid	The ID of the virtual machine	Required	Integer	8939
Size	The size of the disk to add. (The size is measured in gigabytes.) (Based on the size, the price will increase.)	Required	Integer	10
Sku	The SKU of the storage tier to add	Required	String	SAN-001

Sample return

Status	Response
--------	----------

200	<pre>Accepted</pre>
403	<pre>Forbidden { "Message": "Permission Denied to requested resource." }</pre>
401	<pre>Unauthorized Request { "Message": "Missing or invalid authorization token." }</pre>

Delete Storage Disk

Overview

The **Delete Storage Disk** API deletes a disk for a virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmId**).

You can use the [Get VM Detail](#) API to find the disk ID (**ID**).

Sample request

```
POST https://api.armor.com/vms/8939/disk/8596
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
vms/{vmId}/disk/{diskId}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
vmId	The ID for the virtual machine	Required	Integer	8939
diskId	The ID of the disk to delete.	Required	Integer	8596

Sample return

Status	Response
200	Accepted

400

```
Bad Request
{
  "error": true,
  "message": "An internal server error has occurred."
}
```

400

```
Bad Request
{
  "error": true,
  "message": "Invalid request."
}
```

403

```
Forbidden
{
  "Message": "Permission Denied to requested resource."
}
```


Get Tasks

Overview

The **Get Tasks** API retrieves a list of scheduled events that are associated with your account.

You can use the [Get VMs](#) or [Get VM Detail](#) APIs to find the entity ID (**entityId**).

Sample request

```
GET https://api.armor.com/vms/100/tasks
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/{entityType}/{entityId}/tasks	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
entityType	The type of the entity (You must enter vms .)	Required	String	vms
entityId	The ID of the entity	Required	Integer	100

Sample return

Status	Response
200	<pre>[{ "entityType": "vms", "entityId": "100", "action": "delete", "taskDate": "2015-01-01" }]</pre>

Delete Tasks

Overview

The **Delete Tasks** API deletes a scheduled event that is associated with an entity.

You can use the [Get VMs](#) or [Get VM Detail](#) APIs to find the entity ID (**entityId**).

Sample request

```
DELETE https://api.armor.com/vms/100/tasks
{
  "action": "delete"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/{entityType}/{entityId}/tasks	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Required or optional	Type	Example
entityType	The type of the entity (You must enter vms .)	Required	String	vms
entityId	The ID of the entity	Required	Integer	100

Sample return

Status	Response
200	Deleted task 12345 for EntityType: vms and EntityId: 100
400	Could not delete task 12345 for EntityType: vms and EntityId: 100 type: vms and EntityId: 100

Network Services API Calls

This topic only applies to **Armor Complete - Secure Hosting** users.

Network Services API calls	Description	Product compatibility
Get NATs	The Get NATs API retrieves a list of NATs that are associated with your account.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Get Virtual Machine NATs	The Get Virtual Machine NATs API retrieves a list of NATs that are associated to a specified virtual machine.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Create NAT	The Create NAT API creates NATs to associate with your virtual machine.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Add / Remove NATs	The Add/Remove NATs API adds or removes NATs to a virtual machine.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Delete NATs	The Delete NATs API deletes NATs associated to a virtual machine.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Get Firewall Groups	The Get Firewall Groups API retrieves information about the firewall groups in your account	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Get Firewall Group	The Get Firewall Group API retrieves details for a specific firewall group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Update Firewall Group	The Update Firewall Group API updates details for a specific firewall group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Create Firewall Group	The Create Firewall Group API creates a firewall group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Delete Firewall Group	The Delete Firewall Group API deletes a firewall group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Get Firewall Services	The Get Firewall Services API retrieves information about the firewall services in your account.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Get Firewall Service Detail	The Get Firewall Service Detail API retrieves details about a specific firewall service group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting
Put Firewall Service	The Put Firewall Service API updates the details for a firewall service group.	<ul style="list-style-type: none">Armor Complete - Secure Hosting

Create Firewall Services	The Create Firewall Services API creates a firewall service group.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Delete Firewall Service	The Delete Firewall Service API deletes a firewall service group.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Firewalls	The Get Firewalls API retrieves information about the firewall devices in your account environments.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get Firewall Rules	The Get Firewall Rules retrieves the firewall rules for a specified device.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Create Firewall Rules	The Create Firewall Rules API retrieves firewall rules for a specified device.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get SSL/VPN	<ul style="list-style-type: none"> • The Get SSL/VPN API displays a list of users with their corresponding SSL/VPN access in various environments. 	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Enable SSL / VPN	The Enable SSL/VPN API allows a user to use SSL/VPN access for their environment.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get L2L	The Get L2L API retrieves a list of L2L (IPSec) tunnels.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Create L2L	The Create L2L API creates a new L2L tunnel.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get L2L By ID	The Get L2L By ID API retrieves information information in your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Delete L2L	The Delete L2L API deletes the specified L2L tunnel.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Update L2L	The Update L2L API updates an L2L tunnel.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Get IPs	The Get IPs API retrieves a list of IP addresses allocated to the account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Delete IPs	The Delete IPs API unassigns an IP address from a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting
Assign IP	The Assign IP API assigns an IP address to a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting

Allocate Public IPs

The **Allocate Public IPs** API allocates more public IP addresses to your account for a particular location.

- Armor Complete - Secure Hosting

Get NATs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get NATs** API retrieves a list of NATs that are associated with your account.

You can use the [Get Virtual Machine NATS](#) API to find the location name (**location**), zone (**zone**), and NAT type (**type**).

Sample request

```
GET https://api.armor.com/nats?locationName=dfw01&zone=dfw01-vc01&type=dnat
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/nats	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
locationName	The datacenter location	String	Optional	dfw01
zone	The zone in the datacenter	String	Optional	dfw010-vc01
type	The type of NAT	String	Optional	dnat

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
--------	----------

200

```
[
  {
    "location": "dfw01",
    "zone": "dfw01-vc01",
    "destinationIpId": 120,
    "type": "dnat",
    "sourceIpIds": [121, 134]
  }
]
```


Get Virtual Machine NATS

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Virtual Machine NATS** API retrieves a list of NATs that are associated to a specified virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmId**).

Sample request

```
GET https://api.armor.com/nats/vm/100
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/nats/vm/{vmId}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
vmId	ID of the virtual machine	Integer	Required	100

Sample return

Status	Response
200	<pre>{ "vmIp": "10.10.10.10", "publicIps": ["198.158.1.1"] }</pre>

Create NAT

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Create NAT** API creates NATs to associate with your virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmId**).

Sample request

```
POST https://api.armor.com/nats
{
  "id": 1,
  "vmId": 2,
  "translatedIp": "100.10.10.1",
  "originalIps": [ "192.158.1.1" ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/nats	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
VmId	The ID of the virtual machine that owns the TranslatedIp	Integer	Required	2
id	The ID of the edge gateway	Integer	Required	1
TranslatedIp	The private IP address of the virtual machine	String	Required	100.10.10.1
OriginalIps	An array of public IP addresses to remove	String[]	Required	192.158.1.1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 1,
  "vmId": 2,
  "translatedIp": "100.10.10.1",
  "originalIps": ["192.158.1.1"],
  "url": null,
  "locationName": null,
  "action": null,
  "vnic": 0
}
```

400

```
{
  "error": true,
  "message": "Invalid request"
}
```

Add/Remove NATs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Add/Remove NATs** API adds or removes NATs from a specified virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmId**).

Sample request

```
PUT https://api.armor.com/nats
{
  "id": 1,
  "vmId": 2,
  "translatedIp": "100.10.10.1",
  "originalIps": [ "192.158.1.1" ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/nats	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
VmId	The ID of the virtual machine that owns the TranslatedIp	Integer	Required	2
id	The ID of the edge gateway	Integer	Required	1
TranslatedIp	The private IP address of the virtual machine	String	Required	100.10.10.1
OriginalIps	An array of public IP addresses to remove	String[]	Required	192.158.1.1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 1,
  "vmId": 2,
  "translatedIp": "100.10.10.1",
  "originalIps": ["192.158.1.1"]
}
```

400

```
{
  "error": true,
  "message": "Invalid request"
}
```

Delete NATs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Delete NATs** API deletes a specified NAT from your system.

To simply remove NATs from your virtual machine, see [Add/Remove NATs](#).

You can use the [Get VMs](#) API to find the virtual machine ID (vmlid).

Sample request

```
DELETE https://api.armor.com/nats
{
  "id": 1,
  "vmId": 2,
  "translatedIp": "100.10.10.1",
  "originalIps": ["192.158.1.1"]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/nats	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
vmlid	The ID of the virtual machine that owns the TranslatedIp	Integer	Required	2
id	The ID of the edge gateway	Integer	Required	1
TranslatedIp	The private IP address of the virtual machine	String	Required	100.10.10.1
OriginalIps	An array of public IP addresses to remove	String[]	Required	192.158.1.1

Sample return

Status	Response
--------	----------

200	<pre>true</pre>
400	<pre>{ "error": true, "message": "Invalid request" }</pre>

Get Firewall Groups

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewall Groups** API retrieves information about the firewall groups in your account. These groups define the individual IP addresses, IP address ranges, and subnets to be used as sources and destinations in firewall rules.

You can use this API to find the groupID. In this API, the groupID displays as **id**.

You can use the [Get Firewalls](#) API to find the deviceID (**id**). You will need this ID for other firewall-related APIs.

Sample request

```
GET https://api.armor.com/firewall/2/groups
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/groups	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device to retrieve rules	Integer	Required	2

Sample return

Status	Response
--------	----------


```
[
  {
    "id": 1,
    "deviceId": 2,
    "name": "ANY",
    "description": "The CIDR 0.0.0.0/0 represents ANY Ip, range, or
CIDR.",
    "type": "any",
    "values": [
      "0.0.0.0/0"
    ],
    "isReadOnly": false
  },
  {
    "id": 2,
    "deviceId": 2,
    "name": "SSL VPN (100-127-255-192--026)",
    "description": "SSL VPN for CIDR",
    "type": "group",
    "values": [
      "100.127.255.192/26"
    ],
    "isReadOnly": true
  }
]
```

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
values	Service values	An array of ServiceValue objects: <ul style="list-style-type: none"> protocol port 	Any protocol or port value	0.0.0.0/0

Get Firewall Group

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewall Group** API retrieves details for a specific firewall group.

You can use the [Get Firewalls](#) API to find the device ID (**id**)

You can use the [Get Firewall Groups](#) API to find the group ID (**id**).

Sample request

```
GET https://api.armor.com/firewall/2/groups/8
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/groups/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device to retrieve rules	Integer	Required	2
id	The ID of the firewall group	Integer	Required	8

Sample return

Status	Response
--------	----------

200	<pre> { "id": 8, "deviceId": 2, "name": "Local IP", "description": "", "type": "group", "values": ["192.158.1.1"], "isReadOnly": false } </pre>
404	no content

Output

The following table describes the expected results for specific outputs that may not be clear enough within the sample output.

Return	Type	Description	Possible values	Example
values	Service values	An array of ServiceValue objects: <ul style="list-style-type: none"> • protocol • port 	Any protocol or port value	192.158.1.1

Update Firewall Group

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Update Firewall Group** API updates details for a specific firewall group.

You can use the **Get Firewall Groups** API to find the group ID (**id**).

Sample request

```
PUT https://api.armor.com/firewall/2/groups/8
{
  "id": 8,
  "deviceId": 2,
  "name": "Local IP",
  "description": "",
  "type": "group",
  "values": ["192.158.1.1"],
  "isReadOnly": false
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/groups/{id}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device	Integer	Required	2
id	The ID of the firewall group	Integer	Required	8
name	The name of the firewall group	String	Required	Local IP
description	A description for the firewall group	String	Optional	""
type	"group," "any"	enum	Required	group
values	Network addresses	Array	Required	192.158.1.1
isReadOnly	Reserved for Armor-defined groups (You must enter false .)	Boolean	Required	false

Sample return

Status	Response
200	<pre>{ "id": 8, "deviceId": 2, "name": "Local IP", "description": "", "type": "group", "values": ["192.158.1.1"], "isReadonly": false }</pre>
404	<pre>no content</pre>

Create Firewall Group

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Create Firewall Group** API creates a firewall group.

You can use the [Get Firewalls](#) API to find the device ID (**id**).

Sample request

```
POST https://api.armor.com/firewall/2/groups

{
  "name": "HTTP",
  "values": [{
    "protocol": "tcp",
    "port": "80"
  }],
  "description": "",
  "deviceId": 2,
  "location": "DFW01"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/groups	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device to add the firewall rules to	Integer	Required	2
name	The name of the firewall group	String	Required	HTTP
values	Array of Service objects (protocol, port)	Service []	Required	tcp, 80
description	Description of the service group	String	Optional	""
deviceId	The			
location	Location of the service group	String	Required	DFW01

Sample return

Status	Response
200	<pre>[{ "id": 1, "deviceId": 2, "name": "ANY", "description": "The CIDR 0.0.0.0/0 represents ANY Ip, range, or CIDR.", "type": "any", "values": ["0.0.0.0/0"], "isReadOnly": false }, { "id": 2, "deviceId": 2, "name": "SSL VPN (100-127-255-192--026)", "description": "SSL VPN for CIDR", "type": "group", "values": ["100.127.255.192/26"], "isReadOnly": true }]</pre>
400	<pre>{ "error": true, "message": "Validation error." }</pre>

Delete Firewall Group

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Delete Firewall Group** API deletes a firewall group.

You can use the [Get Firewalls](#) API to find the device ID (**id**).

You can use the [Get Firewall Groups](#) API to find the group ID (**id**).

Sample request

```
DELETE https://api.armor.com/firewall/2/groups/3
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/groups/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device that contains the rules	Integer	Required	2
id	The ID of the firewall group to delete	Integer	Required	3

Sample return

Status	Response
200	<pre>"ACCEPTED"</pre>
400	<pre>{ "error": true, "message": "Validation error." }</pre>

Get Firewall Services

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewall Services** API retrieves information about the firewall services in your account. These services define the ports and protocols that are used as service groups in firewall rules, which help configure the type of traffic being allowed or blocked.

You can use this API to find the servicesGroup (**id**).

You can use the [Get Firewalls](#) API to find the device ID.

Sample request

```
GET https://api.armor.com/firewall/2/services
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/services	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device	Integer	Required	2

Sample return

Status	Response
--------	----------

200

```
[
  {
    "id": 4,
    "deviceId": 2,
    "location": "DFW01",
    "accountId": 0,
    "name": "HTTP",
    "description": "",
    "values": [
      {
        "port": 80,
        "protocol": "tcp",
        "subprotocol": null
      }
    ]
  }
]
```

400

```
{
  "error": true,
  "message": "Failed to retrieve Device"
}
```

Get Firewall Service Detail

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewall Service Detail** API retrieves details about a specific firewall service group.

You can use the [Get Firewalls](#) API to find the deviceID.

You can use the [Get Firewall Services](#) API to find the serviceGroupID. In this API, the serviceGroupID returns as **ID**.

Sample request

```
GET https://api.armor.com/firewall/2/services/4
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceid}/services/{serviceGroupId}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceID	The ID of the device	Integer	Required	2
serviceGroupId	The ID of the service group	Integer	Required	4

Sample return

Status	Response
--------	----------

```
[
  {
    "id": 4,
    "deviceId": 2,
    "location": "DFW01",
    "accountId": 0,
    "name": "HTTP",
    "description": null,
    "values": [
      {
        "port": 80,
        "protocol": "tcp",
        "subprotocol": null
      }
    ]
  }
]
```

Put Firewall Service

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Put Firewall Service** API updates the details for a firewall service group.

Sample request

```
PUT https://api.armor.com/firewall/2/services/4
{
  "id": 4,
  "deviceId": 2,
  "location": "DFW01",
  "accountId": 0,
  "name": "HTTP",
  "description": "Use this for inbound HTTP traffic",
  "values": [{
    "protocol": "tcp",
    "port": "80"
  }]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/services/{serviceGroupId}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device	Integer	Required	2
serviceGroupId	The ID of the service group	Integer	Required	4

Sample return

Status	Response
--------	----------

```
{
  "id": 4,
  "deviceId": 2,
  "location": "DFW01 ",
  "name": "HTTP",
  "description": "Use this for inbound HTTP traffic",
  "values": [{
    "port": 80,
    "protocol": "tcp",
    "subprotocol": null
  }
]
```

Create Firewall Services

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Create Firewall Services** API creates a firewall service group.

You can use the [Get Locations](#) API to find a location to create the firewall services.

Sample request

```
POST https://api.armor.com/firewall/2/services
{
  "name": "TCP HTTP",
  "values": [{
    "protocol": "tcp",
    "port": "80"
  }],
  "description": "",
  "deviceId": 2,
  "location": "DFW01"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/notes	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device	Integer	Required	2
name	The name of the service group	String	Required	TCP HTTP
values	Array of ServiceValue objects: <ul style="list-style-type: none">protocolport (Protocols must be entered in lower-case letters.)	ServiceValue[]	Required	
description	Description of the service group	String	Optional	""
location	Name of the location	String	Required	DFW01

Sample return

Status	Response
200	<pre>{ "id": 5, "location": "DFW01", "deviceId": 2, "name": "TCP HTTP", "description": "", "values": [{ "port": 80, "protocol": "tcp", "subprotocol": null }] }</pre>
400	<pre>{ "error": true, "message": "Invalid data." }</pre>

Delete Firewall Service

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Delete Firewall Service** API deletes a firewall service group.

Sample request

```
DELETE https://api.armor.com/firewall/2/services/5
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceId}/services/{serviceGroupId}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	The ID of the device	Integer	Required	2
serviceGroupId	The ID of the service group	Integer	Required	5

Sample return

Status	Response
200	<pre>no content</pre>

Get Firewalls

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewalls** API retrieves information about the firewall devices in your account environments.

You can use this API to find the device ID, which returns as **id**. This ID is also known as the firewall ID. You will need this ID for other firewall-related APIs.

Sample request

```
GET https://api.armor.com/firewalls
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewalls	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "id": 2, "name": "DFW01-VC01", "location": "DFW01" }]</pre>
404	<pre>No content</pre>

Get Firewall Rules

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get Firewall Rules** retrieves the firewall rules for a specified virtual machine.

You can use the [Get Firewalls](#) API to find the deviceID. In the [Get Firewalls](#) API, the deviceID returns as **id**.

Sample request

```
GET https://api.armor.com/firewall/2/rules
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceid}/rules	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceid	The ID of the device	Integer	Required	2

Sample return

Status	Response
--------	----------

```
{
  "id": 1,
  "deviceId": 2,
  "accountId": 2,
  "rules": [
    {
      "id": 1,
      "destinations": [
        {
          "id": 1,
          "type": "any",
          "name": "ANY"
        }
      ],
      "sources": [
        {
          "id": 1,
          "type": "any",
          "name": "ANY"
        }
      ],
      "services": [
        {
          "id": 1,
          "deviceId": 2,
          "location": null,
          "accountId": 2,
          "name": "HTTP",
          "description": null,
          "values": [
            {
              "port": 80,
              "protocol": "tcp",
              "subprotocol": null
            }
          ]
        }
      ],
      "action": "allow",
      "name": "VMA Web Traffic",
      "description": null,
      "sortOrder": 1,
      "isEnabled": true
    }
  ],
  "staged": true,
  "lastModified": "2015-12-13T02:31:33.53"
}
```


Create Firewall Rules

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Create Firewall Rules** API retrieves firewall rules for a specified device.

You can use the [Get Firewalls](#) API to find the deviceID.

Sample request

```
POST https://api.armor.com/firewall/2/rules
```

```
{
  "rules": [
    {
      "destinations": [
        {
          "id": 1
        }
      ],
      "sources": [
        {
          "id": 1
        }
      ],
      "services": [
        {
          "id": 2
        },
        {
          "id": 1
        }
      ]
    }
  ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/firewall/{deviceid}/rules	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
deviceId	ID for the device to retrieve rules	Integer	Required	2
rules	Array of FirewallRule objects	FirewallRule []	Required	[]

Sample return

Status	Response
200	<div style="border: 1px dashed blue; height: 600px; width: 100%;"></div>

```

{
  "id": 8,
  "deviceId": 2,
  "accountId": 2,
  "rules": [{
    "id": 15,
    "destinations": [{
      "id": 1,
      "type": "any",
      "name": "ANY"
    }],
    "sources": [{
      "id": 1,
      "type": "any",
      "name": "ANY"
    }],
    "services": [{
      "id": 2,
      "deviceId": 2,
      "location": "DFW01",
      "accountId": 0,
      "name": "TCP ALL",
      "description": "",
      "values": [{
        "protocol": "tcp",
        "subprotocol": null,
        "minimum": 1,
        "maximum": 65535
      }],
    }, {
      "id": 1,
      "deviceId": 2,
      "location": null,
      "accountId": 2,
      "name": "TCP 80",
      "description": null,
      "values": [{
        "port": 80,
        "protocol": "tcp",
        "subprotocol": null
      }],
    }],
    "action": "allow",
    "name": "VMW Rules",
    "description": "",
    "sortOrder": 1,
    "isEnabled": true,
    "readonly": false
  }],
  "staged": true
}

```

--	--

Get SSL/VPN

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get SSL/VPN** API displays a list of users with their corresponding SSL/VPN access in various environments.

Sample request

```
GET https://api.armor.com/sslvpn
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/sslvpn	GET

There are no parameters for this API call.

Sample return

Status	Response
202	<pre>[{ "id": 3, "location": "DFW01", "zone": "dfw01-vc01", "users": [{ "id": 5, "firstName": "Test", "lastName": "Account", "email": "user@example.com", "isSslVpnEnabled": true }] }]</pre>

400

Bad Request

Enable SSL/VPN

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Enable SSL/VPN** API allows an account administrator to enable (or disable) a user's ability to download and use SSL/VPN to access their environment.

You can use the [Get Locations](#) API to find available locations to enable SSL/VPN.

You must first enable the SSL/VPN client before a user can download the client. .

Sample request

```
POST https://api.armor.com/sslvpn/enable
{
  "userId": 3,
  "locations": [
    {
      "zone": "dfw01-vc01"
    }
  ],
  "enable": true
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/sslvpn/enable	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
userId	The ID of the user to enable (or disable) SSL/VPN access	String	Required	3
locations	The collection of zones to enable a user's SSL/VPN	String	Required	dfw01-vc01
enable	Enable or disable a user's SSL/VPN <ul style="list-style-type: none">To enable, enter trueTo disable, enter false	Boolean	Required	true

Sample return

Status	Response
202	Successful
400	Bad Request

(hidden) Download SSL/VPN client

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Download SSL/VPN client** API downloads the SSL/VPN client for a specified operating system.

You must first enable the SSL/VPN client before you can download it. To enable, see [Enable SSL/VPN](#).

Sample request

```
POST https://api.armor.com/sslvpn/installClient
{
  "id": 0,
  "os": "mac"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/sslvpn/installClient	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id (Route)	ID of the Edge Gateway on which the User is enabled	String	Required	0
os	Operating system enum (mac, windows, linux)	String	Required	mac

Sample return

Status	Response
200	<pre>[{ "FileName" : "Armor-VpnSetup.tgz", "Content" : [<byte>] }]</pre>

400

Bad Request

Get L2L

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get L2L** API retrieves a list of L2L (IPSec) tunnels.

You can use this API to find the L2L ID (id). You will need this ID for other L2L-related APIs.

Sample request

```
GET https://api.armor.com/l2l
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/l2l	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

200

```
[{
  "id": 4,
  "edgeId": 4,
  "edgeIp": "146.88.118.5",
  "location": "DFW01",
  "zone": "DFW01T01-VC03",
  "lastModified": "2015-01-06T22:18:19.1",
  "sites": [
    {
      "id": 24,
      "name": "ME",
      "localIp": "146.88.118.5",
      "peerIp": "1.2.3.4",
      "isEnabled": true,
      "notes": null,
      "tags": []
    }
  ],
  "tenantCidr": "100.64.0.64/26"
},
{
  "id": 1222,
  "edgeId": 1240,
  "edgeIp": "146.88.122.13",
  "location": "PHX01",
  "zone": "PHX01T01-VC03",
  "lastModified": "2015-01-06T07:01:19.693",
  "sites": [],
  "tenantCidr": "100.64.218.0/24"
}]
```

400

Bad Request

Create L2L

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Create L2L** API creates a new L2L tunnel.

Sample request

```
POST https://api.armor.com/l2l/  
{  
  "name": "ME4",  
  "psk": "Secur3_K3Y",  
  "peerIp": "10.1.1.3",  
  "dhGroup": "dh2",  
  "isEnabled": true,  
  "enablePfs": true,  
  "localSubnets": [  
    "100.64.0.66/32"  
  ],  
  "peerSubnets": [  
    "10.1.0.0/24"  
  ],  
  "authentication": "psk",  
  "encryption": "aes256",  
  "localIp": "146.88.118.5",  
  "edgeId": 4,  
  "peerId": "10.1.1.0"  
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/l2l	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
name	Name of tunnel	String	Required	ME4
psk	Pre-shared key	String	Required	Secur3_K3Y
dhGroup	Diffie-Hellman group	String	Required	dh2
isEnabled	Flag to enable to disable	Bool	Required	true
enablePfs	Enable perfect forward secrecy	Bool	Required	true

localSubnets	Local subnets to tunnel	Array	Required	100.64.0.66/32
peerSubnets	Peer subnets to tunnel	Array	Required	10.1.0.0/24
authentication	Type of authentication	String	Required	psk
encryption	Type of encryption to use	String	Required	aes256
localIp	Local Peer IP address	String	Required	146.88.118.5
edgeId	id of edge in which the tunnel is established	Integer	Required	4
peerId	Remote peer address	String	Required	10.1.1.0

Sample return

Status	Response
200	<pre> { "location": "DFW01", "zone": "DFW01T01-VC03", "lastModified": "2015-01-06T23:06:09.893", "peerId": "1.2.3.4", "encryption": "3des", "enablePfs": true, "dhGroup": "dh2", "localSubnets": ["100.64.0.64/32"], "peerSubnets": ["10.1.1.0/24"], "psk": null, "authentication": "psk", "configurationId": 4, "id": 24, "name": "ME", "localIp": "146.88.118.5", "peerIp": "1.2.3.4", "isEnabled": true, "notes": null, "tags": [] } </pre>
400	<pre> Bad Request </pre>

Get L2L By ID

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get L2L By ID** API retrieves information information in your account.

You can use the [Get L2L API](#) to find the L2L ID (id).

Sample request

```
GET https://api.armor.com/l2l/24
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/l2l/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id (Route)	id for the l2l tunnel	Integer	Required	24

Sample return

Status	Response
--------	----------

200

```
{
  "location": "DFW01",
  "zone": "DFW01T01-VC03",
  "lastModified": "0001-01-01T00:00:00",
  "peerId": "1.2.3.4",
  "encryption": "3des",
  "enablePfs": true,
  "dhGroup": "dh2",
  "localSubnets": [
    "100.64.0.64/32"
  ],
  "peerSubnets": [
    "10.1.1.0/24"
  ],
  "psk": "e$KIG%&5k7K0S%rx",
  "authentication": "psk",
  "configurationId": 4,
  "id": 24,
  "name": "ME",
  "localIp": "146.88.118.5",
  "peerIp": "1.2.3.4",
  "isEnabled": true,
  "notes": null,
  "tags": []
}
```

400

Bad Request

Delete L2L

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Delete L2L** API deletes the specified L2L tunnel.

You can use the [Get L2L](#) to find the L2L ID (**id**).

Sample request

```
DELETE https://api.armor.com/l2l/24
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/l2l/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id (Route)	ID for the L2L tunnel	Integer	Required	24

Sample return

Status	Response
--------	----------

200

```
{
  "location": "DFW01",
  "zone": "DFW01T01-VC03",
  "lastModified": "2015-01-06T23:06:09.893",
  "peerId": "1.2.3.4",
  "encryption": "3des",
  "enablePfs": true,
  "dhGroup": "dh2",
  "localSubnets": [
    "100.64.0.64/32"
  ],
  "peerSubnets": [
    "10.1.1.0/24"
  ],
  "psk": null,
  "authentication": "psk",
  "configurationId": 4,
  "id": 24,
  "name": "ME",
  "localIp": "146.88.118.5",
  "peerIp": "1.2.3.4",
  "isEnabled": false,
  "notes": null,
  "tags": []
}
```

400

Bad Request

Update L2L

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Update L2L** API updates an L2L tunnel.

You can use the [Get L2L](#) to find the L2L ID (id).

Sample request

```
PUT https://api.armor.com/l2l/24
{
  "name": "ME4",
  "psk": "Secur3_K3Y",
  "peerIp": "10.1.1.3",
  "dhGroup": "dh2",
  "isEnabled": true,
  "enablePfs": true,
  "localSubnets": [
    "100.64.0.66/32"
  ],
  "peerSubnets": [
    "10.1.0.0/24"
  ],
  "authentication": "psk",
  "encryption": "aes256",
  "localIp": "146.88.118.5",
  "edgeId": 4,
  "peerId": "10.1.1.0"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/l2l/{id}	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id (route)	ID of the tunnel	Integer	Required	24
name	Name of tunnel	String	Required	ME4

psk	Pre-shared key	String	Required	Secur3_K3Y
dhGroup	Diffie-Hellman group	String	Required	dh2
isEnabled	Flag to enable to disable	Bool	Required	true
enablePfs	Enable perfect forward secrecy	Bool	Required	true
localSubnets	Local subnets to tunnel	Array	Required	100.64.0.66/32
peerSubnets	Peer subnets to tunnel	Array	Required	10.1.0.0/24
authentication	Type of authentication	String	Required	psk
encryption	Type of encryption to use	String	Required	aes256
localIp	Local Peer IP address	String	Required	146.88.118.5
edgeld	id of edge in which the tunnel is established	Integer	Required	4
peerId	Remote peer address	String	Required	10.1.1.0

Sample return

Status	Response
202	<pre>{ "location": "DFW01", "zone": "DFW01T01-VC03", "lastModified": "0001-01-01T00:00:00", "peerId": "1.2.3.4", "encryption": "3des", "enablePfs": true, "dhGroup": "dh2", "localSubnets": ["100.64.0.64/32"], "peerSubnets": ["10.1.1.0/24"], "psk": "e\$KIG%&5k7K0S%rx", "authentication": "psk", "configurationId": 4, "id": 24, "name": "ME", "localIp": "146.88.118.5", "peerIp": "1.2.3.4", "isEnabled": true, "notes": null, "tags": [] }</pre>
400	<pre>Bad Request</pre>

Get IPs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Get IPs** API retrieves a list of IP addresses allocated to the account. This API also displays how these IP addresses are assigned.

You can use this API to find the IP ID (**id**).

Sample request

```
GET https://api.armor.com/ips
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/ips	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
locationName	The location of the virtual machine associated with the IP address (You can use the Get Locations API to find a list of locations.)	String	Optional	DFW01
type	Enum of private4, public4	String	Optional	private4
State	An IP address can be Routed , Reserved , or Assigned .	String	Optional	Reserved

Sample return

Status	Response
--------	----------

200

```
{
  "id": 515,
  "location": "DFW01 ",
  "zone": "DFW01-VC01",
  "ip": "100.64.0.9",
  "state": "Reserved",
  "type": "private4",
  "assignedTo": null
},
{
  "id": 518,
  "location": "DFW01 ",
  "zone": "DFW01-VC01",
  "ip": "100.64.0.10",
  "state": "Assigned",
  "type": "private4",
  "assignedTo": {
    "id": 1,
    "type": "vm",
    "name": "Smoke-Test-A1",
    "assignmentType": "primary"
  }
}
```

400

Bad Request

Delete IPs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Delete IPs** API unassigns an IP address from a virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (vmlId).

You can use the [Get IPs](#) API to find the IP ID (id).

Sample request

```
DELETE https://api.armor.com/ips

{
  "vmId": 1,
  "id": 518
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/ips	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
vmlId	The VM id to which the IP is assigned	Integer	Optional	1
id	ID of the IP	Integer	Optional	518

Sample return

Status	Response
200	<pre>"The IpAddress 100.64.0.10 has been Unassigned"</pre>

400

Bad Request

Assign IP

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Assign IP** API assigns an IP address to a virtual machine.

You can use the [Get VMs](#) API to find the virtual machine ID (**vmId**).

You can use the [Get IPs](#) API to find the IP ID (**id**).

Sample request

```
POST https://api.armor.com/ips
{
  "vmId": 1,
  "id": 518,
  "accountId": 2
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/ips	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
vmId	The VM id to which the IP is assigned	Integer	Optional	1
id	ID of the IP	Integer	Optional	518

Sample return

Status	Response
200	<pre>"The IPAddress 100.64.0.10 has been assigned to Vm Smoke-Test-A1"</pre>

400

Bad Request

Allocate Public IPs

Overview

This API call only applies to **Armor Complete - Secure Hosting** users.

The **Allocate Public IPs** API allocates more public IP addresses to your account for a particular location.

Sample request

```
POST https://api.armor.com/ips/publicIps/quantity/{quantity}
{
  "quantity": 1,
  "locationId": 1
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/ips/publicIps/quantity/{quantity}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
quantity	Number of IPs	Integer	Optional	1
locationId	ID of the location from which you would like the IPs assigned	Integer	Optional	1

Sample return

Status	Response
200	<pre>[{ "id": 1, "ipAddress": "10.254.11.1", "subnetId": 15405, "ipStateId": 3, "location": "DFW01 " }]</pre>

400

Bad Request

Security API Calls

Generally, this section applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users; however, review the table below to make sure the specific API call is compatible with your product.

Security API calls	Description	Product compatibility
Get Packages Status	The Get Packages Status API retrieves data for the operating system patching status of your virtual machines.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Packages	The Get Packages API retrieves data for the operating system patching status for a specific virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Log Entries	The Get Log Entries API retrieves a list of entries for a virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Log Event Types	The Get Log Event Types API retrieves a operating system log types.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Log Management List	The Get Log Management List API retrieves operating system logging details by host.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get OS Log Graph	The Get OS Log Graph retrieves operating system logging data points for a graph.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get OS Log Details	The Get OS Log Details API retrieves OS logging details for a host.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Upgrade Log Retention Plan	The Upgrade Log Retention Plan API upgrades your operating system log retention plan for a host.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Log Management Products	The Get Log Management Products API retrieves a list of products for log management.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Anti-Malware Host List	The Get Anti-Malware Host List API retrieves a list of Anti-Malware status details by host.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Anti-Malware Account Statistics	The Get Anti-Malware Account Statistics API retrieves a shortened, combined list of Anti-Malware (Malware Protection) status for your virtual machine.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Overview Security Status	The Get Overview Security Status API retrieves the various statuses of your virtual machines's subcomponents (Anti-Malware, FIM, and OS Patching).	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get File Integrity Status	The Get File Integrity Status API retrieves an expanded list of FIM statuses for all hosts.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get File Integrity Account Statistics	The Get File Integrity Account Statistics API retrieves a shortened, combined list of FIM statuses for all hosts.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Overall Security Status	The Get Overall Security Status API retrieves the various statuses of your virtual machines. These statuses are based on the individual status of your virtual machine's subcomponents.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Get Anti-Malware Scan	The Get Anti-Malware Scan API retrieves data from an Anti-Malware scan for a specific host.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Search Log Events	The Search Log Events API retrieves a list of security log events.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security

Get Packages Status

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Packages Status** API retrieves data for the operating system patching status of your virtual machines.

You can use this API to find the Core Instance ID (**coreInstanceID**). You will need this ID for other security-related APIs.

Sample request

```
GET https://api.armor.com/core/packages/status
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/packages/status	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

200

```
[
  {
    "coreInstanceId": "eeb7823e-8e23-462e-a39a-0648ad4c639e",
    "name": "HOST01",
    "provider": "anywhere",
    "providerFullName": "aws",
    "primaryIp": null,
    "os": "CentOS 7",
    "lastPatched": "2015-11-08T20:37:15.567",
    "pendingUpdates": 0,
    "securityUpdates": 0,
    "servicePacks": 0,
    "criticalUpdates": 0,
    "rebootRequired": true,
    "dateReboot": null,
    "overallPatchingStatus": 1,
    "rebootStatus": 1,
    "securityUpdateCountStatus": 1,
    "lastPatchedDateStatus": 1
  }
]
```

400

Bad Request

Get Packages

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Packages** API retrieves data for the operating system patching status for a specific virtual machine.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceID**).

Sample request

```
GET
https://api.armor.com/core/packages/cb9eb09b-29e2-4312-81e2-cbee2e1c1fc5
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/packages/{coreinstanceid}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
coreInstanceID	The ID of the core instance	GUID	Required	cb9eb09b-29e2-4312-81e2-cbee2e1c1fc5

Sample return

Status	Response
--------	----------

200

```
{
  "coreInstanceId": "cb9eb09b-29e2-4312-81e2-cbee2e1c1fc5",
  "syncTime": "2015-12-14T09:46:53.513",
  "name": "Ubuntu 14.04",
  "provider": "Linux",
  "packages": [
    {
      "name": "libcgmanager0",
      "updateType": "update",
      "version": "0.24-0ubuntu7.5",
      "actualVersion": "0.24",
      "release": null,
      "architecture": "amd64",
      "installDate": null,
      "dateAvailable": "2015-09-15T18:54:44",
      "needUpdate": true
    }
  ]
}
```

400

Bad Request

Get Log Entries

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Log Entries** API retrieves a list of entries for a virtual machine.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceid**).

Sample request

```
GET
https://api.armor.com/log-management/vms/eeb7823e-8e23-462e-a39a-0648ad4c639e/entries?searchText=&filterEventType=&filterSize=&sortField=logTimeStamp&sortDirection=1&pageSize=10&pageIndex=1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/vms/{CoreInstanceid}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
CoreInstanceid	GUID for agent CORE instance id	String (GUID)	Required	eeb7823e-8e23-462e-a39a-0648ad4c639e
searchText	Text to search for in OS logs	String	Optional	
filterEventType	Filter by Linux or Windows OS logs	String	Optional	
filterSize	Filter by log size greater than value in bytes	Integer	Optional	
sortField	Field to sort by	String	Optional	logTimeStamp
sortDirection	0=Ascending, 1=Descending	Integer	Optional	1
pageSize	Number of log entries per page	Integer	Optional	10
pageIndex	Page index to return log entries from	Integer	Optional	1

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
--------	----------

200

```
{
  "total": 15418,
  "vmLogList": [
    {
      "eventType": "wineventlog",
      "logTimeStamp": "2015-11-23T00:13:02Z",
      "size": 5624,
      "message": "<<raw log message>>"
    }
  ]
}
```

404

CoreInstanceId not found for account

Get Log Event Types

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Log Event Types** API retrieves a operating system log types.

Sample request

```
GET https://api.armor.com/log-management/logeventtype
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/logeventtype	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>["linux-logs", "Win32-EventLog", "wineventlog"]</pre>

Get Log Management List

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Log Management List** API retrieves operating system logging details by host.

Sample request

```
GET https://api.armor.com/log-management
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "coreInstanceId": "e5f680b7-df73-4a66-829a-50af5d6c21e7", "vmName": "Windows Test", "lastLogDate": "2015-10-05T15:49:15", "vmProvider": "complete", "vmProviderFullName": null, "os": "Microsoft Windows Server 2012 R2 Standard", "vmLocation": "s01", "logRetentionPlan": "90 days", "logSize": "7200388", "logSeverity": 4, "logApiUrl": "https://api.armor.com", "agentStatus": "Offline" }]</pre>

Get OS Log Graph

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get OS Log Graph** retrieves operating system logging data points for a graph.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceID**).

Sample request

```
GET
https://api.armor.com/log-management/vms/a6be34d2-c842-4afd-9b02-219a649b278b/stats?startdate=2015-12-08T00:00:00&enddate=2015-01-07T23:59:59
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/vms/{CoreInstanceID}/stats?	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
coreInstanceID	Core Instance ID	GUID	Required	a6be34d2-c842-4afd-9b02-219a649b278b
startDate	Date time for start of the graph	datetime	Required	2015-12-08T00:00:00
endDate	Date time for end of the graph	datetime	Required	2015-01-07T23:59:59

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
--------	----------

200

```
{
  "binScale": "14.879994444444444h",
  "vmLogEvents": [
    {
      "dateKey": "2015-12-07T23:50:19.35Z",
      "logCount": 2981
    }
  ]
}
```

Get OS Log Details

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get OS Log Details** API retrieves operating system logging details for a host.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceid**).

Sample request

```
GET
https://api.armor.com/log-management/vms/a6be34d2-c842-4afd-9b02-219a649b278b
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/vms/{CoreInstanceid}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
CoreInstanceID	GUID for Core Instance ID	GUID	Required	a6be34d2-c842-4afd-9b02-219a649b278b

Sample return

Status	Response
--------	----------

```
{
  "coreInstanceId": "e5f680b7-df73-4a66-829a-50af5d6c21e7",
  "vmName": "Windows",
  "lastLogDate": "2015-10-05T15:49:15",
  "vmProvider": "Armor Complete",
  "vmProviderFullName": null,
  "os": "Microsoft Windows Server 2012 R2 Standard",
  "vmLocation": null,
  "logRetentionPlan": "90 days",
  "logSize": "7200388",
  "logSeverity": 4,
  "logApiUrl": "https://api.armor.com",
  "agentStatus": "Offline"
}
```

Upgrade Log Retention Plan

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Upgrade Log Retention Plan** API upgrades your operating system log retention plan for a host.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceID**).

Sample request

```
POST
https://api.armor.com/log-management/retentionplan/a6be34d2-c842-4afd-9b02-219a649b278b
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/retentionplan/{CoreInstanceID}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
CoreInstanceID	Core Instance ID	GUID	Required	a6be34d2-c842-4afd-9b02-219a649b278b

Sample return

Status	Response
200	"Log retention plan upgrade successful"

Get Log Management Products

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Log Management Products** API retrieves a list of products for log management.

You can use the [Get Product Lists](#) API to find the product ID (**id**).

Sample request

```
GET https://api.armor.com/log-management/products/1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-management/products/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID of the Log Management product	String	Required	1

Sample return

Status	Response
200	<pre>[{ "id": 1120, "name": "Log Management 13-month Retention", "description": "Increased log retention duration to 13 months for Armor Complete", "planRate": 100.0, "sku": "LOG-MGMT-COMPLIANCE" }]</pre>

Get Anti-Malware Host List

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Anti-Malware Host List** API retrieves an expanded list of Anti-Malware (Malware Protection) statuses for all hosts.

Sample request

```
GET https://api.armor.com/core/avam
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/avam	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
[
  {
    "coreInstanceId": "e261a9b9-bd32-46bd-a5cd-7205048d768b",
    "vmName": "VM Name",
    "location": null,
    "isActive": false,
    "vmProvider": "azure",
    "providerFullName": null,
    "os": "Microsoft Windows Server 2008 R2 Datacenter",
    "accountId": 0,
    "lastAgentCommunicationSeverity": 3,
    "lastScannedSeverity": 3,
    "lastAgentCommunicationData": null,
    "lastScannedData": null,
    "lastAgentCommunicationDate": "2015-03-22T19:52:08.63",
    "lastScannedDate": "2015-03-21T23:18:02.87",
    "hostId": 0,
    "overallAntiMalwareStatus": "OK",
    "createdDate": null,
    "customLocation": null,
    "customProvider": null,
    "avamRealTimeScan": false
  }
]
```


Get Anti-Malware Account Statistics

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Anti-Malware Account Statistics** API retrieves a shortened, combined list of Anti-Malware (Malware Protection) status for your virtual machine.

Sample request

```
GET https://api.armor.com/core/avam/statistics
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/avam/statistics	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>{ "totalOkStatus": 19, "totalWarningStatus": 2, "totalCriticalStatus": 1 }</pre>

Get Overview Security Status

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Overview Security Status** API retrieves the various statuses of your virtual machines's subcomponents (Anti-Malware, FIM, and OS Patching).

Sample request

```
GET https://api.armor.com/core/security-dashboard/stats/overview
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/security-dashboard/stats/overview	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>{ "avamOkStatus": 4, "avamWarningStatus": 0, "avamCriticalStatus": 1, "fimOkStatus": 5, "fimWarningStatus": 0, "fimCriticalStatus": 0, "osPatchingOkStatus": 5, "osPatchingWarningStatus": 0, "osPatchingCriticalStatus": 0, "overAllOkStatus": 4, "overAllWarningStatus": 0, "overAllCriticalStatus": 1 }</pre>

Get File Integrity Status

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get File Integrity Status** API retrieves an expanded list of FIM statuses for all hosts.

Sample request

```
GET https://api.armor.com/core/fim
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/fim	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
[
  {
    "coreInstanceId": "e261c9b9-b932-46b6-a5cd-5205048d768b",
    "vmName": "VM 1",
    "location": null,
    "ipAddress": null,
    "status": 0,
    "fimAgentStatus": "ON",
    "fimAgentVersion": null,
    "os": "Microsoft Windows Server 2008 R2 Datacenter",
    "fimLastCommunicationDate": "2015-03-22T19:52:08.63",
    "fimLastCommunicationData": null,
    "vmSeverity": 3,
    "createdDate": null,
    "vmProvider": "azure",
    "providerFullName": null,
    "customProvider": null,
    "customLocation": null,
    "fimRealTimeScan": 0
  }
]
```

Get File Integrity Account Statistics

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get File Integrity Account Statistics** API retrieves a shortened, combined list of FIM statuses for all hosts.

Sample request

```
GET https://api.armor.com/core/fim/statistics
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/fim/statistics	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>{ "totalOkStatus": 5, "totalWarningStatus": 0, "totalCriticalStatus": 0 }</pre>

Get Overall Security Status

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Overall Security Status** API retrieves the various statuses of your virtual machines. These statuses are based on the individual status of your virtual machine's subcomponents.

Sample request

```
GET https://api.armor.com/core/security-dashboard/stats/overall
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/security-dashboard/stats/overall	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>{ "totalOkStatus": 4, "totalWarningStatus": 0, "totalCriticalStatus": 1 }</pre>

Get Anti-Malware Scan

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Anti-Malware Scan** API retrieves data from an Anti-Malware scan for a specific host.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceid**).

Sample request

```
GET
https://api.armor.com/core/73fe3446-31ff-4b74-a600-c2d01e9c59cf/security
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/core/{coreinstanceid}/security	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
coreinstanceid	Core Instance ID	GUID	Required	b7939804-3190-494e-933f-f837fe545c3a

Sample return

Status	Response
200	<pre>{ "hostname": "WIN-3V6ETB0A47J", "lastAvamScan": "2015-01-06T23:33:15.47", "lastCommunicationDate": "2015-01-06T23:33:15.47", "isAvamRealtime": true, "isFimRealtime": true }</pre>

400

Bad Request

```
{  
  "Message": "Invalid Request. CorrelationId:  
2ed87c1f-6285-472d-8535-f854df53815a"  
}
```

Search Log Events

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Search Log Events** API retrieves a list of security log events.

You can use the [Get Packages Status](#) API to find the Core Instance ID (**coreInstanceid**).

Sample request

```
POST https://api.armor.com/log-search/templatedsearch
{
  "ViewName": "Trend FIM List",
  "Parameters": {
    "coreinstance_id": "b7939804-3190-494e-933f-f837fe545c3a",
    "size": 10,
    "from": 0,
    "include_filteroptions": true,
    "include_aggregations": true
  }
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/log-search/templatedsearch	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ViewName	Type of result set to pull back FIM ("Trend FIM List") or Anti-Malware ("Trend Malware List")	String	Required	Trend FIM List
coreinstance_id	Coreinstance id for security events details	String	Required	b7939804-3190-494e-933f-f837fe545c3a
size	Number of entries per page	Integer	Optional	10
from	Index of page to start pulling entries from	Integer	Optional	0
include_filteroptions	Include filter options in result set	Boolean	Optional	true
include_aggregations	Include aggregation options in result set	Boolean	Optional	true

Sample return

Status	Response
200	<pre>{ "total": 154, "items": [{ "Description": "When scanned the File had the following attributes: Permissions: user::rw- group::r-- other::r--\\n", "ChangeType": "created", "Timestamp": "2015-01-05T00:38:23Z", "Filename": "/var/log/unattended-upgrades/unattended-upgrades.log.2.gz" }], "filterOptions": { "Change Types": ["created", "updated", "deleted", "renamed"] }, "aggregations": { "lasttimestamp": { "value": 1483576703000.0 } } }</pre>

Support API Calls

Generally, this section applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users; however, review the table below to make sure the specific API call is compatible with your product.

Support API calls	Description	Product compatibility
Get Tickets	The Get Tickets API retrieves a list of support tickets associated with your account, including support tickets where you are included as a recipient.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Ticket Entries	The Get Ticket Entries API displays details for support ticket associated with your account, including support tickets where you are included as a recipient.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Ticket Count	The Get Ticket Count API retrieves the number of tickets created for the account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Ticket	The Get Ticket API displays the details for a specific ticket.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Ticket Meta-Data	The Get Ticket Meta-Data API displays detailed information for a a list of support tickets associated with your account, including support tickets where you are included as a recipient.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Ticket Attachments	The Get Ticket Attachments API returns the attachment associated with a specified ticket.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Create Ticket	The Create Ticket API creates a new ticket.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security

Post Ticket Comment	The Post Ticket Comment API adds a comment to a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Submit Ticket Comment Feedback	The Post Authorize API submits feedback to a comment on a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Favorite a Ticket	The Favorite a Ticket API adds (or removes) the specified ticket to your list of favorite tickets.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Close a Ticket	The Close a Ticket API closes a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Re-open a Ticket	The Re-open a Ticket API opens an existing ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Remove Ticket Recipients	The Remove Ticket Recipients API removes a recipient from a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Add Recipient to a Ticket	The Add Recipient to a Ticket API adds a recipient to a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Remove Related Ticket Association	The Remove Related Ticket Association API removes a related ticket association.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Add Related Ticket Association	The Add Related Ticket Association API creates a related ticket association.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Remove a Tag from a Ticket	The Remove a Tag From a Ticket API deletes a tag from a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Add a Tag to a Ticket	The Add a Tag to a Ticket API adds a tag to a ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Rate a Ticket	The Rate a Ticket API adds a numeric rating to a support ticket.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Mark a Ticket as Read	The Mark a Ticket as Read API labels a specified ticket as read .	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Get Tickets

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Tickets** API retrieves a list of support tickets associated with your account, including support tickets where you are included as a recipient.

Sample request

```
GET https://api.armor.com/tickets
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>{ "total": 1, "ticketsList": [] }</pre>

Get Ticket Entries

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Ticket Entries** API displays details for support ticket associated with your account, including support tickets where you are included as a recipient.

Sample request

```
GET
https://api.armor.com/tickets/entries?searchText=&filterStatus=&filterStarred=&filterType=&sortField=dateModified&sortDirection=desc&pageSize=50&pageNumber=1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/entries	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
searchText	Query string to filter text server side	String	Optional	
filterStatus	Query string to filter status server side	String	Optional	
filterStarred	Query string to filter starred server side	String	Optional	
filterType	Query string to filter type server side	String	Optional	
sortField	Query string to sort by field server side	String	Optional	dateModified
sortDirection	The order of tickets, either descending or ascending	String	Optional	desc
pageSize	Max of results per query	String	Required	50
pageNumber	Along with pageSize, this parameter determines the pagination parameter combined with pageSize will allow for paging results.	String	Required	1

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
200	<pre>{ "total": 1, "ticketsList": [{ "ticketNumber": 1475, "title": "Ticket", "type": "ticket", "status": "Open", "isClosed": false, "priority": 0, "sensitivity": null, "dateCreated": "2015-01-06T22:33:27.4", "dateModified": "2015-01-06T22:33:27.4", "createdByUserId": 0, "lastResponderName": "Jason Smith", "lastResponderExcerpt": "Please review VM", "lastResponseDate": null, "starred": false, "read": true, "userRating": 0 }] }</pre>
400	<pre>{ "Message": "The request is invalid." }</pre>
500	<pre>{"ErrorCode": "unhandled_exception", "Message": "An unhandled exception has occurred.", "Detail": {"Information": "The request has been logged and submitted to our internal operations support team."}, "ReferenceId": "fdfc3497-309f-4f30-998e-f97e7bcd7a4e"}</pre>

Get Ticket Count

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Ticket Count** API retrieves the number of tickets created for the account.

Sample request

```
GET https://api.armor.com/tickets/count
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/count	GET

There are no parameters for this API call.

Sample return

Status	Output
200	15

Get Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Ticket** API retrieves the details for a specific ticket, including closed tickets.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

Sample request

```
GET https://api.armor.com/tickets/1475
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The ticket number	Integer	Required	1475

Sample return

Status	Response
--------	----------

200

```
{
  "tags": ["Tag"],
  "comments": [{
    "id": "152b0e33-f7a6-418f-8185-0a11c3ff11af",
    "text": "Please check the VM",
    "commentorId":
"f9153914-9e29-42f0-9101-9b31fa4df6eb",
    "commentorName": "Jason Smith",
    "commentorEmail": "jason.smith@armor.com",
    "date": "2015-01-06T22:33:27.683",
    "isPublic": true,
    "attachments": [],
    "feedback": 0,
    "reason": 0,
    "read": false
  }],
  "recipients": [{
    "id": 2369,
    "firstName": "John",
    "lastName": "Smith",
    "emailAddress": "john.smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
  }],
  "relatedServers": [],
  "relatedTickets": [],
  "ticketNumber": 1475,
  "title": "Ticket",
  "type": "ticket",
  "status": "Open",
  "isClosed": false,
  "priority": 0,
  "sensitivity": null,
  "dateCreated": "2015-01-06T22:33:27.4",
  "dateModified": "2015-01-06T22:33:27.4",
  "createdByUserId": 2369,
  "lastResponderName": "Jason Smith",
  "lastResponderExcerpt": "Please check this VM",
  "lastResponseDate": "2015-01-06T22:33:27.683",
  "starred": false,
  "read": false,
  "userRating": 0
}
```

404

Not Found

Get Ticket Meta-Data

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Ticket Meta-Data** API displays detailed information for a list of support tickets associated with your account, including support tickets where you are included as a recipient.

You can use this API to find the ticket number (**ticketNumber**). You will need this information for other ticket-related APIs.

Sample request

```
GET https://api.armor.com/tickets/meta-data
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/meta-data	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
{
  "recipients": [{
    "id": 2514,
    "firstName": "Jason",
    "lastName": "Smith",
    "emailAddress": "jason.smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
  }],
  "tickets": [{
    "ticketNumber": 1475,
    "title": "Ticket"
  }],
  "servers": [
    {
      "id": 10297,
      "name": "sp-Ubuntu",
      "hostName": "sp-Ubuntu"
    },
    {
      "id": 10298,
      "name": "sp-CentOS 6",
      "hostName": "sp-CentOS 6"
    }
  ],
  "tags": ["Tag"]
}
```

Get Ticket Attachments

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Ticket Attachments** API returns the attachment associated with a specified ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
GET https://api.armor.com/tickets/153/attachments
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/attachments	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The ticket number	Integer	Required	153

Sample return

Status	Response
200	<pre>Downloads the attachment</pre>
204	<pre>No Content</pre>

Create Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Create Ticket** API creates a new ticket.

Sample request

```
POST https://api.armor.com/tickets/create

{
  "starred": false,
  "type": "ticket",
  "status": "New",
  "title": "Test Ticket - Please ignore",
  "comments": [],
  "recipients": [],
  "relatedTickets": [],
  "relatedServers": [],
  "tags": [],
  "createdBy": "User",
  "lastResponderName": "User"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/create	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
title	The title of the ticket	String	Required	Test Ticket - Please Ignore
recipients	Additional users to include in this ticket	Type	Required	[]
tags	Tag strings	array of strings	optional	[]

Sample return

Status	Response
--------	----------

```
{
  "tags": [
    "Fun Tag"
  ],
  "comments": [],
  "recipients": [
    {
      "id": 2096,
      "firstName": "Addison",
      "lastName": "White",
      "emailAddress": "robert.smith@armor.com",
      "account": false,
      "billing": false,
      "technical": false,
      "partner": false
    },
    {
      "id": 1100,
      "firstName": "Robert",
      "lastName": "Smith",
      "emailAddress": "robert.smith@armor.com",
      "account": false,
      "billing": false,
      "technical": false,
      "partner": false
    }
  ],
  "relatedServers": [],
  "relatedTickets": [],
  "ticketNumber": 1485,
  "title": "Ticket Subject",
  "type": "ticket",
  "status": "Open",
  "isClosed": false,
  "priority": 0,
  "sensitivity": null,
  "dateCreated": "2015-01-07T02:43:30.603",
  "dateModified": "2015-01-07T02:43:30.603",
  "createdByUserId": 1100,
  "lastResponderName": null,
  "lastResponderExcerpt": null,
  "lastResponseDate": null,
  "starred": false,
  "read": false,
  "userRating": 0
}
```

Post Ticket Comment

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Post Ticket Comment** API adds a comment to a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

You can use the **GET https://api.armor.com/me** to find your user ID.

Sample request

```
POST https://api.armor.com/tickets/271/comment

{
  "comment": "Please look into this ticket",
  "files": [],
  "user": {
    "name": "Jason Smith",
    "id": 2369
  }
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/comment	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number for the specific ticket	Integer	Required	271
comment	The comment to add to the ticket	String	Required	Please look into this ticket
(user) name	The name of the user	String	Required	Jason Smith
(user) id	The ID of the user	Integer	Required	2369

Sample return

Status	Response
200	<pre>{ "comment": "adding a sample comment", "files": [], "user": { "name": "Test Anywhere", "id": 2369 } }</pre>
400	<pre>Bad Request { "Message": "Invalid request." }</pre>

Submit Ticket Comment Feedback

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Post Authorize** API submits feedback to a comment on a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

You can use the [Get Ticket](#) API to find the comment ID (id).

Sample request

```
POST https://api.armor.com/tickets/271/comment/feedback

{
  "id": "374e714c-9815-493d-91d2-800b9378c6a7",
  "feedback": 1
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/comment/feedback	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The ticket number	Integer	Required	271
id	Id of the comment	Integer	Required	374e714c-9815-493d-91d2-800b9378c6a7
feedback	Feedback to add for the comment <ul style="list-style-type: none">1 (thumbs up)-1 (thumbs down)	Integer	Required	1

Sample return

Status	Response
200	

Favorite a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Favorite a Ticket** API adds (or removes) the specified ticket to your list of favorite tickets.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
POST https://api.armor.com/tickets/271/star?on=true
POST https://api.armor.com/tickets/271/star?off=true
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/star?on=true	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the specific ticket	Integer	Required	271
on	To add the ticket to the list of favorite tickets	String	Optional (based on desired outcome)	on
off	To remove the ticket from the list of favorite tickets	String	Optional (based on desired outcome)	off

Sample return

Status	Response
200	<pre>true</pre>
403	<pre>Invalid Request { "Message": "Invalid request." }</pre>

Close a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Close a Ticket** API closes a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

Sample request

```
POST https://api.armor.com/tickets/271/close
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/close	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number for the specific ticket you want to close.	Integer	Required	271

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "e06555ce-8489-4aad-8cda-b71511b9b38e", "text": "Comment", "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb", "commentorName": "Jason Smith", "commentorEmail": "jason.smith@armor.com", "date": "2015-01-06T23:51:45.05", "isPublic": true, "attachments": [], "feedback": 0, "reason": 0, }]</pre>

```
        "read": false
    },
    {
        "id": "7c07dac5-de64-49f9-b2d9-23bc269aa5ab",
        "text": "Check VM",
        "commentorId":
"f9153914-9e29-42f0-9101-9b31fa4df6eb",
        "commentorName": "Robert Smith",
        "commentorEmail": "robert.smith@armor.com",
        "date": "2015-01-06T23:44:03.237",
        "isPublic": true,
        "attachments": [],
        "feedback": 0,
        "reason": 0,
        "read": false
    }
],
"recipients": [{
    "id": 2369,
    "firstName": "Robert",
    "lastName": "Smith",
    "emailAddress": "robert.smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
}],
"relatedServers": [],
"relatedTickets": [],
"ticketNumber": 1476,
"title": "Ticket",
"type": "ticket",
"status": "Resolved",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-06T23:44:03.153",
"dateModified": "2015-01-07T00:07:28.96",
"createdByUserId": 2369,
"lastResponderName": "Robert Smith",
"lastResponderExcerpt": "Check VM",
"lastResponseDate": "2015-01-06T23:51:45.05",
"starred": false,
"read": false,
"userRating": 3
```

}

Re-open a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Re-open a Ticket** API opens an existing ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

Sample request

```
POST https://api.armor.com/tickets/271/open
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/open	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the ticket you want to open	Integer	Required	271

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "e06555ce-8489-4aad-8cda-b71511b9b38e", "text": "Comment", "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb", "commentorName": "Jason Smith", "commentorEmail": "jason.smith@armor.com", "date": "2015-01-06T23:51:45.05", "isPublic": true, "attachments": [], "feedback": 0, "reason": 0, "read": false] }</pre>

```
},
{
  "id": "7c07dac5-de64-49f9-b2d9-23bc269aa5ab",
  "text": "Check VM",
  "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb",
  "commentorName": "Robert Smith",
  "commentorEmail": "robert.smith@armor.com",
  "date": "2015-01-06T23:44:03.237",
  "isPublic": true,
  "attachments": [],
  "feedback": 0,
  "reason": 0,
  "read": false
}],
"recipients": [{
  "id": 2369,
  "firstName": "Robert",
  "lastName": "Smith",
  "emailAddress": "robert.smith@armor.com",
  "account": false,
  "billing": false,
  "technical": false,
  "partner": false
}],
"relatedServers": [],
"relatedTickets": [],
"ticketNumber": 1476,
"title": "Ticket",
"type": "ticket",
"status": "Open",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-06T23:44:03.153",
"dateModified": "2015-01-07T00:07:28.96",
"createdByUserId": 2369,
"lastResponderName": "Robert Smith",
"lastResponderExcerpt": "Check VM",
"lastResponseDate": "2015-01-06T23:51:45.05",
"starred": false,
```

```
"read": false,  
"userRating": 3  
}
```

Remove Ticket Recipients

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Remove Ticket Recipients** API removes a recipient from a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**) and recipient ID (**id**)

Sample request

```
DELETE https://api.armor.com/tickets/271/recipients

{
  "id": 2152
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/recipients	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the ticket	Integer	Required	271
id	The ID of the recipient to remove	Integer	Required	2151

Sample return

Status	Response
--------	----------

```
{
  "tags": [
    "Tag"
  ],
  "comments": [
    {
      "id": "2fec6815-6536-4848-9699-2f201f9e2a8a",
      "text": "Udpate",
      "commentorId": "e4009140-a3c2-459d-b6ff-fcbbfc9b75f7",
      "commentorName": "Robert Smith",
      "commentorEmail": "robert.smith@armor.com",
      "date": "2015-01-07T02:52:55.087",
      "isPublic": true,
      "attachments": [],
      "feedback": 0,
      "reason": 0,
      "read": false
    }
  ],
  "recipients": [
    {
      "id": 1100,
      "firstName": "Robert",
      "lastName": "Smith",
      "emailAddress": "robert.smith@armor.com",
      "account": false,
      "billing": false,
      "technical": false,
      "partner": false
    }
  ],
  "relatedServers": [],
  "relatedTickets": [],
  "ticketNumber": 1484,
  "title": "Ticket Subject",
  "type": "ticket",
  "status": "Open",
  "isClosed": false,
  "priority": 0,
  "sensitivity": null,
  "dateCreated": "2015-01-07T02:40:53.477",
  "dateModified": "2015-01-07T02:40:53.477",
  "createdByUserId": 1100,
  "lastResponderName": "Robert Smith",
  "lastResponderExcerpt": "Update",
  "lastResponseDate": "2015-01-07T02:52:55.087",
  "starred": true,
  "read": false,
  "userRating": 0
}
```

Add Recipient to a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Add Recipient to a Ticket** API adds a recipient to a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**) and recipient ID (**id**).

Sample request

```
POST https://api.armor.com/tickets/271/recipients

{
  "id": 2152
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/recipients	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the ticket	Integer	Required	271
id	The ID of the recipient that you want to add	Integer	Required	2152

Sample return

Status	Response
--------	----------

```
{
  "tags": [
    "Tag"
  ],
  "comments": [
    {
      "id": "2fec6815-6536-4848-9699-2f201f9e2a8a",
      "text": "Udpate",
      "commentorId": "e4009140-a3c2-459d-b6ff-fcbbfc9b75f7",
      "commentorName": "Robert Smith",
      "commentorEmail": "robert.smith@armor.com",
      "date": "2015-01-07T02:52:55.087",
      "isPublic": true,
      "attachments": [],
      "feedback": 0,
      "reason": 0,
      "read": false
    }
  ],
  "recipients": [
    {
      "id": 2152,
      "firstName": "Robert",
      "lastName": "Smith",
      "emailAddress": "robert.smith@armor.com",
      "account": false,
      "billing": false,
      "technical": false,
      "partner": false
    }
  ],
  "relatedServers": [],
  "relatedTickets": [],
  "ticketNumber": 1484,
  "title": "Ticket Subject",
  "type": "ticket",
  "status": "Open",
  "isClosed": false,
  "priority": 0,
  "sensitivity": null,
  "dateCreated": "2015-01-07T02:40:53.477",
  "dateModified": "2015-01-07T02:40:53.477",
  "createdByUserId": 1100,
  "lastResponderName": "Robert Smith",
  "lastResponderExcerpt": "Update",
  "lastResponseDate": "2015-01-07T02:52:55.087",
  "starred": true,
  "read": false,
  "userRating": 0
}
```

Removed Related Ticket Association

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Remove Related Ticket Association** API removes a related ticket association.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
DELETE https://api.armor.com/tickets/271/tickets
1475
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/tickets	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber (route)	Ticket number to remove association Your AMP username	Integer	Required	271
(body)	The ID of the ticket to remove association from	Integer	Required	1475

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "e06555ce-8489-4aad-8cda-b71511b9b38e", "text": "Comments", "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb", "commentorName": "Jason Smith", "commentorEmail": "jason.smith@armor.com", "date": "2015-01-06T23:51:45.05", "isPublic": true, "attachments": [], "feedback": 0, } }</pre>

```
    "reason": 0,
    "read": false
  },
  {
    "id": "7c07dac5-de64-49f9-b2d9-23bc269aa5ab",
    "text": "Check VM",
    "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb",
    "commentorName": "Jason Smith",
    "commentorEmail": "jason.smith@armor.com",
    "date": "2015-01-06T23:44:03.237",
    "isPublic": true,
    "attachments": [],
    "feedback": 0,
    "reason": 0,
    "read": false
  }
],
"recipients": [{
  "id": 2369,
  "firstName": "Robert",
  "lastName": "Smith",
  "emailAddress": "robert.smith@armor.com",
  "account": false,
  "billing": false,
  "technical": false,
  "partner": false
}],
"relatedServers": [],
"relatedTickets": [],
"ticketNumber": 1476,
"title": " Ticket",
"type": "ticket",
"status": "Resolved",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-06T23:44:03.153",
"dateModified": "2015-01-07T00:07:28.96",
"createdByUserId": 2369,
"lastResponderName": "Test Anywhere",
"lastResponderExcerpt": "Please check VM",
"lastResponseDate": "2015-01-06T23:51:45.05",
"starred": false,
```

```
"read": false,  
"userRating": 3  
}
```

400

```
Bad Request  
{  
  "error": true,  
  "message": "You are not authorized to related to this Ticket."  
}
```

Add Related Ticket Association

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Add Related Ticket Association** API creates a related ticket association.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
POST https://api.armor.com/tickets/271/tickets
1475
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
tickets/{ticketNumber}/tickets	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The ticket number to which a ticket association will be added	Integer	Required	271
relatedTicketNumber	Ticket to add as a related ticket association	Integer	Required	1475

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "e06555ce-8489-4aad-8cda-b71511b9b38e", "text": "Comments", "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb", "commentorName": "Jason Smith", "commentorEmail": "jason.smith@armor.com", "date": "2015-01-06T23:51:45.05", "isPublic": true, "attachments": [],</pre>


```
        "feedback": 0,
        "reason": 0,
        "read": false
    },
    {
        "id": "7c07dac5-de64-49f9-b2d9-23bc269aa5ab",
        "text": "Check VM",
        "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb",
        "commentorName": "Jason Smith",
        "commentorEmail": "Jason.Smith@armor.com",
        "date": "2015-01-06T23:44:03.237",
        "isPublic": true,
        "attachments": [],
        "feedback": 0,
        "reason": 0,
        "read": false
    }
],
"recipients": [{
    "id": 2369,
    "firstName": "Robert",
    "lastName": "Smith",
    "emailAddress": "Robert.Smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
}],
"relatedServers": [],
"relatedTickets": [{
    "ticketNumber": 1478,
    "title": "New ticket"
}],
"ticketNumber": 1476,
"title": "Ticket",
"type": "ticket",
"status": "Resolved",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-06T23:44:03.153",
"dateModified": "2015-01-07T00:07:28.96",
"createdByUserId": 2369,
"lastResponderName": "Test Anywhere",
"lastResponderExcerpt": "Please check VM",
"lastResponseDate": "2015-01-06T23:51:45.05",
"starred": false,
```

```
"read": false,  
"userRating": 3  
}
```

403

```
Bad Request  
{  
  "error": true,  
  "message": "You are not authorized to related to this Ticket."  
}
```

Remove a Tag From a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Remove a Tag From a Ticket** API deletes a tag from a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
DELETE https://api.armor.com/tickets/271/tag

{
  tag: "Web"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/tag	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the ticket you want to edit	Integer	Required	271
tag	The tag to remove	Int (Or is it string?)	Required	Web

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "fc229de0-7ecc-48f2-a626-361152aa61d8", "text": "Check VM", "commentorId": "e4009140-a3c2-459d-b6ff-fcbbfc9b75f7", "commentorName": "Robert Smith",</pre>

```
        "commentorEmail": "robert.smith@armor.com",
        "date": "2015-01-07T03:23:32.09",
        "isPublic": true,
        "attachments": [],
        "feedback": 0,
        "reason": 0,
        "read": false
    }
],
"recipients": [
    {
        "id": 2152,
        "firstName": "Addison",
        "lastName": "Smith",
        "emailAddress": "addison.smith@armor.com",
        "account": false,
        "billing": false,
        "technical": false,
        "partner": false
    },
    {
        "id": 1100,
        "firstName": "Robert",
        "lastName": "Smith",
        "emailAddress": "robert.smith@armor.com",
        "account": false,
        "billing": false,
        "technical": false,
        "partner": false
    }
],
"relatedServers": [],
"relatedTickets": [
    {
        "ticketNumber": 1478,
        "title": "Check VM"
    }
],
"ticketNumber": 1486,
"title": "VM Check",
"type": "ticket",
"status": "Open",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-07T03:23:31.763",
"dateModified": "2015-01-07T03:23:31.763",
"createdByUserId": 1100,
"lastResponderName": "Robert Smith",
"lastResponderExcerpt": "Check VM",
"lastResponseDate": "2015-01-07T03:23:32.09",
"starred": false,
```

```
"read": false,  
"userRating": 0  
}
```

400

```
Invalid Request  
{  
  "Message": "Invalid request"  
}
```

Add a Tag to a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Add a Tag to a Ticket** API adds a tag to a ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number.

Sample request

```
POST https://api.armor.com/tickets/271/tag

{
  tag: "Web"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
tickets/{ticketNumber}/tickets	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber (route)	The number of the ticket	Integer	Required	271
Tag (body)	The tag to add	String	Required	Web

Sample return

Status	Response
200	<pre>{ "tags": ["Web"], "comments": [{ "id": "fc229de0-7ecc-48f2-a626-361152aa61d8", "text": "Check VM", "commentorId": "e4009140-a3c2-459d-b6ff-fcbbfc9b75f7", }] }</pre>

```
    "commentorName": "Robert Smith",
    "commentorEmail": "robert.smith@armor.com",
    "date": "2015-01-07T03:23:32.09",
    "isPublic": true,
    "attachments": [],
    "feedback": 0,
    "reason": 0,
    "read": false
  }
],
"recipients": [
  {
    "id": 2152,
    "firstName": "Addison",
    "lastName": "Smith",
    "emailAddress": "addison.smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
  },
  {
    "id": 1100,
    "firstName": "Robert",
    "lastName": "Smith",
    "emailAddress": "robert.smith@armor.com",
    "account": false,
    "billing": false,
    "technical": false,
    "partner": false
  }
],
"relatedServers": [],
"relatedTickets": [
  {
    "ticketNumber": 1478,
    "title": "Check VM"
  }
],
"ticketNumber": 1486,
"title": "VM Check",
"type": "ticket",
"status": "Open",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-07T03:23:31.763",
"dateModified": "2015-01-07T03:23:31.763",
"createdByUserId": 1100,
"lastResponderName": "Robert Smith",
"lastResponderExcerpt": "Check VM",
"lastResponseDate": "2015-01-07T03:23:32.09",
"starred": false,
```

```
"read": false,  
"userRating": 0  
}
```

400

Bad Request

Rate a Ticket

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Rate a Ticket API** adds a numeric rating to a support ticket.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

Sample request

```
POST https://api.armor.com/tickets/271/rate
{
  star: 3
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
tickets/{ticketNumber}/rate	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The number of the ticket	Integer	Required	271
star	Rating for the ticket, from 1 to 5.	Integer	Required	3

Sample return

Status	Response
200	<pre>{ "tags": [], "comments": [{ "id": "e06555ce-8489-4aad-8cda-b71511b9b38e", "text": "Please check VM", "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb", "commentorName": "Robert Smith", "commentorEmail": "robert.smith@gmail.com", "date": "2015-01-06T23:51:45.05", "isPublic": true, }]}</pre>

```
    "attachments": [],
    "feedback": 0,
    "reason": 0,
    "read": false
  },
  {
    "id": "7c07dac5-de64-49f9-b2d9-23bc269aa5ab",
    "text": "Review VM",
    "commentorId": "f9153914-9e29-42f0-9101-9b31fa4df6eb",
    "commentorName": "Addison Smith",
    "commentorEmail": "addison.smith@armor.com",
    "date": "2015-01-06T23:44:03.237",
    "isPublic": true,
    "attachments": [],
    "feedback": 0,
    "reason": 0,
    "read": false
  }
],
"recipients": [{
  "id": 2369,
  "firstName": "Robert",
  "lastName": "Smith",
  "emailAddress": "robert.smith@gmail.com",
  "account": false,
  "billing": false,
  "technical": false,
  "partner": false
}],
"relatedServers": [],
"relatedTickets": [],
"ticketNumber": 1476,
"title": "VM Ticket",
"type": "ticket",
"status": "Resolved",
"isClosed": false,
"priority": 0,
"sensitivity": null,
"dateCreated": "2015-01-06T23:44:03.153",
"dateModified": "2015-01-07T00:07:28.96",
"createdByUserId": 2369,
"lastResponderName": "Robert Smith",
"lastResponderExcerpt": "Review Vm",
"lastResponseDate": "2015-01-06T23:51:45.05",
"starred": false,
```

```
"read": false,  
"userRating": 3  
}
```

400

```
Bad Request  
{  
  "error": true,  
  "message": "An internal server error occurred."  
}
```

Mark a Ticket as Read

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Mark a Ticket as Read** API labels a specified ticket as **read**.

You can use the [Get Ticket Meta-Data](#) API to find the ticket number (**ticketNumber**).

Sample request

```
POST https://api.armor.com/tickets/271/read
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/tickets/{ticketNumber}/read	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
ticketNumber	The ticket number to mark as read.	Integer	Required	271

Sample return

Status	Response
200	<pre>true</pre>

Account Management API calls

Generally, this section applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users; however, review the table below to make sure the specific API call is compatible with your product.

Account Management API Calls	Description	Product compatibility
Get Accounts	The Get Accounts API retrieves basic account information, particularly a list of products and services associated with the account (or accounts).	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Update Account	The Update Account API updates the billing address for your account.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Account	The Get Account API retrieves basic account information.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Account Contacts	The Get Account Contacts API retrieves a list of Armor support contacts for your account, such as the technical contact or billing contact.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Account Usage	The Get Account Usage API retrieves information for your servers, including server usage.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Get Tags	The Get Tags API retrieves tags based on entityType and entityID.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Create Tags	The Create Tags API adds a tag to a specified entityType and entityID.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security
Delete Tags	The Delete Tags API deletes a specified tag for a given entityType and entityID.	<ul style="list-style-type: none">• Armor Complete - Secure Hosting• Armor Anywhere - Security

Get Notes	The Get Notes API retrieves a note for a specified entityType and entityID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Create Notes	The Create Notes API adds notes to a specified entityType and entityID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Delete Notes	The Deletes Notes API deletes notes from a specified entityType and entityID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Invoices	The Get Invoices API retrieves invoices for your account, including paid and unpaid invoices; however, this API call will not retrieve deleted invoices.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Invoice	The Get Invoice API retrieves the invoice summary for a specified invoice.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Invoice Detail	The Get Invoice Details API retrieves invoice export details for an invoice.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Payment Methods	The Get Payment Methods API retrieves information for the payment method for an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Delete Payment Methods	The Delete Payment Methods API deletes the payment method for an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Patch Payment Method	The Patch Payment Method API configures the primary payment method for an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Notification Alerts	The Get Notification Alerts API retrieves notification alerts for an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Get Notification Alerts Count	The Get Notification Alerts Count API retrieves the number of alerts that have not been marked as 'read.'	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Mark Notification Alerts Read	The Mark Notification Alerts Read API marks all notifications as 'read.'	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Mark Notification Alert Read	The Mark Notification Alert Read API marks a specific notification alert as read.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Product Lists	The Get Product Lists API retrieves any product lists that are associated to your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Product List	The Get Product List API retrieves a specific product list for your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Products	The Get Products API retrieves a filtered list of products specific to a category within a given product list in your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Permissions	The Get Permissions API retrieves a list of all the permissions available in the account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Roles	The Get Roles API retrieves a list of all the roles on the account, including the associated permissions and assigned users.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Create Role	The Create Role API creates a role with a group of permissions.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Delete Role	The Delete Role API deletes a role by the specified ID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Get Role	The Get Role API retrieves a role by the specified role ID.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Update Role Name and Permissions	The Update Role Name and Permissions API updates the name of the role and adds permissions to the role.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Delete User From a Role	The Delete User from a Role API removes a user from a role.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Add User to a Role	The Add User to a Role API adds a user to a role.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Subscriptions	The Get Subscriptions API retrieves subscriptions for the account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Cancel Subscription	The Cancel Subscription API cancels an active subscription.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get Users	The Get Users API retrieves a list of users in your account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Invite User	The Invite User API invites a new or existing user to an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get User	The Get User API retrieves account information for a specified user.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Update User	The Update User API updates the profile details for a user.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Reset User Password	The Reset User Password API resets a user's password.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Get User Notification Settings	The Get User Notification Settings API retrieves a user's notification setting.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Update User Notification Settings	The Update User Notification Settings API updates the notifications settings for a user.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Enable / Disable User	The Enable/Disable User API enables or disables a user on an account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Resend User Invite	The Resend User Invite API resends the email invitation to the invited user.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Update User Challenge Phrase	The Update User Challenge Phrase API updates the challenge phrase for a user account.	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security
Validate MFA Phone Device	The Validate MFA Phone Device API validates a phone number to use for Multi-Factor Authentication (MFA).	<ul style="list-style-type: none"> • Armor Complete - Secure Hosting • Armor Anywhere - Security

Get Accounts

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Accounts** API retrieves basic account information, particularly a list of products and services associated with the account (or accounts).

You can use this API to find the account ID. You will need this ID for other account-related APIs.

Sample request

```
GET https://api.armor.com/accounts
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/accounts	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
[
  {
    "id": 2,
    "currency": "USD",
    "name": "Development Test Account",
    "status": "Claimed",
    "parent": 1,
    "products": {
      "AA-CORE":
        "Monitoring",
        "Anti-Malware and Virus Protection",
        "Log Monitoring and Management",
        "Vulnerability Scanning",
        "File Integrity Monitoring",
        "Invoicing"
    ],
    "ARMOR-COMPLETE": [
      "Server Agent",
      "Operating System Server Hardening",
      "Operating System Patching",
      "Invoicing"
    ]
  }
]
```

Update Account

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Update Account** API updates the billing address for your account.

Sample request

```
POST https://api.armor.com/accounts
{
  "addressLine1": "123 street",
  "addressLine2": "ste 500",
  "city": "City",
  "state": "TX",
  "postalCode": "75000",
  "country": "US"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/accounts	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
addressLine1	Address line 1	String	Optional	123 street
addressLine2	Address line 2	String	Optional	ste 500
city	City	String	Optional	City
state	State	String	Optional	TX
postalCode	Postal Code	String	Optional	75000
country	Country	String	Optional	US

Sample return

Status	Response
--------	----------

200

```
{  
  "name": "Development Test Account",  
  "accountId": "2",  
  "addressLine1": "123 street",  
  "addressLine2": "ste 500",  
  "city": "City",  
  "state": "TX",  
  "postalCode": "75000",  
  "country": "US"  
}
```

400

Bad Request

Get Account

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Account** API retrieves basic account information.

You can use the [Get Accounts](#) API to find your account ID.

Sample request

```
GET https://api.armor.com/accounts/2
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/accounts/{accountId}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
accountID	Armor account ID	Integer	Required	2

Sample return

Status	Response
200	<pre>{ "name": "Development Test Account", "accountId": "2", "addressLine1": "123 street", "addressLine2": "ste 500", "city": "City", "state": "TX", "postalCode": "75000", "country": "US" }</pre>

400

Bad Request

Get Account Contacts

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Account Contacts** API retrieves a list of Armor support contacts for your account, such as the technical contact or billing contact.

Sample request

```
GET https://api.armor.com/account/contacts
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/account/contacts	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

200

```
{
  "accountExecutive": {
    "accountId": 1,
    "name": "Users Name",
    "firstName": "Users",
    "lastName": "Name",
    "title": "developer",
    "email": "user@email.com",
    "homePhone": null,
    "mobilePhone": null,
    "street": "123 street",
    "city": "New City",
    "state": "TX",
    "zipcode": "75000",
    "country": "US",
    "salesforceId": null,
    "type": "AccountOwner"
  },
  "accountStrategicManager": null
}
```

400

Bad Request

Get Account Usage

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Account Usage** API retrieves information for your servers, including server usage.

Server usage is measured by how long the server is active. The server's activity is considered a coreHour. Each coreHour is one unit of billing.

Sample request

```
GET https://api.armor.com/usage
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/usage	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "accountId": 2, "accountName": "Company", "transactionDate": " 2015-01-06T21:38:52.027", "unitOfMeasure": "coreHour", "billedUnits": 1, "resourceName": "coreAgent", "sku": "CORE", "productName": "Agent", "providerName": "Armor", "locationName": "DFW" }]</pre>

400

Bad Request

Get Tags

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Tags** API retrieves tags based on entityType and entityId. Tags are custom, meta-data attributes that can be used when searching for a given entity type.

You can use the **GET <https://api.armor.com/apps>** API to find the entityId.

Sample request

```
GET https://api.armor.com/apps/8508/tags
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/tags	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	String	Required	apps
entityId	The ID of the entity	Integer	Required	8508

Sample return

Status	Response
200	<pre>["tag1", "tag2"]</pre>
400	<pre>Bad Request</pre>

Create Tags

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Create Tags** API adds a tag to a specified entityType and entityID.

You can use the **GET <https://api.armor.com/apps>** API to find the entityID.

Sample request

```
POST https://api.armor.com/apps/8508/tags

{
  "messages": "tag1"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/tags	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	String	Required	apps
entityId	The ID of the entity	Integer	Required	8508

Sample return

Status	Response
200	<pre>"tag1"</pre>

400

Bad Request

Delete Tags

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Delete Tags** API deletes a specified tag for a given entityType and entityId.

You can use the **GET <https://api.armor.com/apps>** API to find the entityId.

Sample request

```
DELETE https://api.armor.com/apps/8508/tags

{
  "messages": "tag1"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/tags	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	String	Required	apps
entityId	The ID of the entity	Integer	Required	8508
entityRequest	The name of the tag (You must enter the tag as it is logged. Here, tags are case-sensitive.)	String	Required	tag1

Sample return

Status	Response
200	<pre>true</pre>

400

Bad Request

Get Notes

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Notes** API retrieves a note for a specified entityType and entityID.

Notes provide a free text field that can be used to store additional information about a given entity.

You can use the **GET https://api.armor.com/apps** API to find the entityID.

Sample request

```
GET https://api.armor.com/apps/8508/notes
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/notes	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	String	Required	apps
entityId	The ID of the entity	Integer	Required	8508

Sample return

Status	Response
200	<pre>"test"</pre>
400	<pre>Bad Request</pre>

Create Notes

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Create Notes** API adds notes to a specified entityType and entityId.

You can use the **GET <https://api.armor.com/apps>** API to find the entityId.

Sample request

```
POST https://api.armor.com/apps/8508/notes

{
  "messages": "This is a note"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/notes	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	String	Required	notes
entityId	The ID of the entity	Integer	Required	8508
messages	A descriptive message	String	Required	This is a note

Sample return

Status	Response
200	<pre>true</pre>

400

Bad Request

Delete Notes

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Deletes Notes** API deletes notes from a specified entityType and entityId.

You can use the **GET <https://api.armor.com/apps>** API to find the entityID.

Sample request

```
DELETE https://api.armor.com/apps/8508/notes
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
{entityType}/{entityId}/notes	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
entityType	The type of the entity (You must enter apps .)	Integer	Required	apps
entityId	The ID of the entity	Integer	Required	8508

Sample return

Status	Response
200	<pre>true</pre>
400	<pre>Bad Request</pre>

Get Invoices

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Invoices** API retrieves invoices for your account, including paid and unpaid invoices; however, this API call will not retrieve deleted invoices.

You can use this API to find the invoice ID (**invoiceID**). You will need this ID for other invoice-related APIs.

Sample request

```
GET https://api.armor.com/invoices
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/invoices	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
{
  "invoiceId": "2c92a0b05925c98701595a9eaa45251",
  "invoiceNumber": "INV0010001",
  "invoiceDate": "2015-01-01T00:00:00",
  "invoiceDueDate": "2015-02-01T00:00:00",
  "amount": 900.00,
  "status": "Unpaid",
  "remainingBalance": 900.00
},
{
  "invoiceId": "2c92a0b158aa8e0b0158bb805071233e",
  "invoiceNumber": "INV0010000",
  "invoiceDate": "2015-12-01T00:00:00",
  "invoiceDueDate": "2015-01-01T00:00:00",
  "amount": 900.00,
  "status": "Paid",
  "remainingBalance": 0.00
}
]
```


Get Invoice

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Invoice** API retrieves the invoice summary for a specified invoice.

You can use the [Get Invoices](#) API to find the invoice ID (**invoiceID**).

Sample request

```
GET https://api.armor.com/invoices/2c92a0b05925c98701595a9eaaa45251
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/invoices/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The id for the requested invoice	Integer	Required	2c92a0b05925c98701595a9eaaa45251

Sample return

Status	Response
--------	----------

```
{
  "lineItems":[
    {
      "productLine":"Armor | Complete",
      "category":"Network",
      "subCategory":"Network + Connectivity",
      "sku":"IP-001",
      "name":"IP Address - Allocated",
      "itemTotal":42.65
    }
  ],
  "invoiceNumber":"INV00100000",
  "invoiceDate":"2015-12-22T00:00:00",
  "billingPeriodStartDate":"2015-12-22T00:00:00",
  "billingPeriodEndDate":"2015-12-31T00:00:00",
  "paymentStatus":"Unpaid",
  "subTotal":7794.64,
  "lineItemDiscounts":-85.15,
  "invoiceTotal":7709.48,
  "billTo":{
    "name":"Company",
    "addressLine1":"1234 Main St",
    "addressLine2":"",
    "city":"Dallas",
    "state":"TX",
    "postalCode":"12345",
    "country":"US"
  },
  "soldTo":{
    "name":"Company",
    "addressLine1":"1234 Main St",
    "addressLine2":"",
    "city":"Dallas",
    "state":"TX",
    "postalCode":"12345",
    "country":"US"
  },
  "remitTo":{
    "name":"Armor INC",
    "addressLine1":"2360 Campbell Creek Blvd.",
    "addressLine2":"Suite 525",
    "city":"Richardson",
    "state":"TX",
    "postalCode":"75082",
    "country":"US"
  }
}
```

404

```
{  
  "error": true,  
  "message": "Invoice not found."  
}
```

Get Invoice Details

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Invoice Details** API retrieves a file for you to download for the desired invoice.

You can use the [Get Invoices](#) API to find the invoice ID (**invoiceID**).

Sample request

```
GET https://api.armor.com/invoices/2c92a0b05925c98701595a9eeaa45251/detail
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/invoices/{id}/detail	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	ID for the requested invoice	Integer	Required	2c92a0b04325c98701595a9eeaa45251

Sample return

Status	Response
200	<pre>Response Type: text/csv</pre>
404	<pre>{ "error": true, "message": "Invoice not found." }</pre>

Get Payment Methods

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Payment Methods** API retrieves information for the payment method for an account.

Sample request

```
GET https://api.armor.com/paymentmethods
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/paymentmethods	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
[
  {
    "id": 1,
    "accountBillingId": 1,
    "name": "Corporate Visa",
    "paymentMethodId": "2c92c0f959687a90015975b882f515a0",
    "paymentType": "CreditCard",
    "achRoutingNumber": "",
    "achAccountMaskNumber": "",
    "creditCardType": "",
    "creditCardMaskNumber": "****1114",
    "creditCardExpirationMonth": 02,
    "creditCardExpirationYear": 2020,
    "createdDate": "2015-01-06T21:38:52.027",
    "createdBy": "2",
    "modifiedDate": null,
    "modifiedBy": null,
    "status": "Pending",
    "isDeleted": false,
    "isPrimary": true
  }
]
```

Delete Payment Methods

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Delete Payment Methods** API deletes the payment method for an account.

You can use the [Get Payment Methods](#) API to find the Payment Method ID (**id**) and the Account Billing ID (**accountBillingId**).

You cannot delete the primary payment method. To delete a primary payment method, you must configure another payment method to be the primary method, and then you can delete the desired payment method.

To learn how to change the primary payment method, see [Patch Payment Method](#).

Sample request

```
DELETE https://api.armor.com/paymentmethods/1
{
  "paymentMethodId": 1,
  "modifiedBy": John,
  "accountId": 1
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/paymentmethods/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
PaymentMethodId	The ID of the payment method that you want to delete	Integer	Required	1
PaymentMethodId	The ID of the payment method that you want to delete	Integer	Required	1
modifiedBy	The user that is requesting the modification	String	Required	John
accountId	The accountId that the payment method is related (unused)	Integer	Required	1

Sample return

Status	Response
--------	----------

200	<div data-bbox="277 138 1446 247" style="border: 1px dashed blue; padding: 5px;">true</div>
400	<div data-bbox="277 289 1446 399" style="border: 1px dashed blue; padding: 5px;">"Invalid Request"</div>

Patch Payment Method

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Patch Payment Method** API configures the primary payment method for an account.

You can use the [Get Payment Methods](#) API to find the Payment Method ID.

Sample request

```
PATCH https://api.armor.com/paymentmethods/1

{
  "isPrimary": true
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/paymentmethods/{id}	PATCH

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
PaymentMethodId (Route)	The ID of the payment method to set as the primary payment method.	Integer	Required	1
IsPrimary	Indicate whether the payment method should be set as primary	Boolean value	Required	true

Sample return

Status	Response
200	<pre>true</pre>
400	<pre>"Invalid Request"</pre>

Get Notification Alerts

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Notification Alerts** API retrieves notification alerts for an account.

Notification alerts are generated when certain actions take place, such as updates to a ticket.

Your account must be configured to receive notification alerts in order to use this API. Additionally, this API only retrieves unread alerts.

You can use this API to find the alertID (**id**). You will need this ID for other notification-related APIs.

Sample request

```
GET https://api.armor.com/notifications/alerts?page=1&limit=25
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/notifications/alerts?page={page}&limit={limit}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
page	Number of pages requested	Integer	Required	1
limit	Number of records in page	Integer	Required	25

To use multiple, optional parameters in one request, you must use the ampersand symbol (&) to connect each parameter together.

Sample return

Status	Response
--------	----------

200

```
[
  {
    "id": "1",
    "Name": "Virtual machine 'sp Windows...",
    "CreateDate": "2015-12-29 01:00:03.353",
    "Read": "0",
    "Notified": "0",
    "Type": "7",
    "EntityId": "10371",
    "UserId": "5658",
    "AccountId": "3861",
    "Description": "Virtual machine...",
    "EntityUuId": "1054711E-2D29-4B07-9F4E-EAF7B7233AB7"
  }
]
```

400

```
{
  "Message": "The request is invalid."
}
```

Get Notification Alerts Count

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Notification Alerts Count** API retrieves the number of alerts that have not been marked as 'read.'

Sample request

```
GET https://api.armor.com/notifications/alert/count
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/notifications/alerts/count	GET

There are no parameters for this API call.

Sample return

Status	Response
200	10

Mark Notification Alerts Read

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Mark Notification Alerts Read** API marks all notifications as 'read.'

Sample request

```
PUT https://api.armor.com/notifications/alerts/notified
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/notifications/alerts/notified	PUT

There are no parameters for this API call.

Sample return

Status	Response
200	Success

Mark Notification Alert Read

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Mark Notification Alert Read** API marks a specific notification alert as read.

You can use the [Get Notification Alerts](#) API to find the alertID (**id**).

Sample request

```
PUT https://api.armor.com/notifications/alert/123/read
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/notifications/alert/{alertId}/read	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
alertID	The ID of the alert that is being marked as read	Integer	Required	123

Sample return

Status	Response
200	123

Get Product Lists

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Product Lists** API retrieves the product lists that are associated with your account.

You can use this API to find the product list ID (**id**). You will need this ID for other product-related APIs.

Sample request

```
GET https://api.armor.com/products
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/products	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "id": 1, "name": "Armor USD", "category": "Primary", "currency": "USD" }]</pre>

Get Product List

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Product List** API retrieves a specific product list for your account.

You can use the [Get Product Lists](#) API to find the product list ID (**id**).

Sample request

```
GET https://api.armor.com/products/1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/products/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	ID for the product list of the desired products	Integer	Required	

Sample return

Status	Response
200	<pre>[{ "name": "SSD (GB)", "sku": "SAN-001", "category": "Disk", "description": "SSD-based storage", "typeCode": "PT02", "price": [{ "location": "DFW01", "amount": 1.7, "units": null }] }]</pre>

```
    },
    {
      "location": "PHX01",
      "amount": 1.7,
      "units": null
    }
  ],
  "priceType": "PerUnit",
  "tier": "SSD",
  "min": 10,
  "max": 500,
  "increment": 10,
  "billingOnly": false
},
{
  "name": "Fluid (GB)",
  "sku": "SAN-002",
  "category": "Disk",
  "description": "Fluid-based storage",
  "typeCode": "PT02",
  "price": [
    {
      "location": "DFW01",
      "amount": 0.75,
      "units": null
    },
    {
      "location": "PHX01",
      "amount": 0.75,
      "units": null
    }
  ],
  "priceType": "PerUnit",
  "tier": "Fluid",
  "min": 50,
  "max": 2000,
  "increment": 50,
  "billingOnly": false
},
{
  "name": "RAW (GB)",
  "sku": "SAN-003",
  "category": "Disk",
  "description": "RAW-based storage",
  "typeCode": "PT02",
  "price": [
    {
      "location": "DFW01",
      "amount": 0.15,
      "units": null
    },
    {
      "location": "PHX01",
```

```
        "amount": 0.15,  
        "units": null  
    }  
    ],  
    "priceType": "PerUnit",  
    "tier": "RAW",  
    "min": 250,  
    "max": 2000,  
    "increment": 250,
```

```
    "billingOnly": false
  }
]
```

400

```
Bad Request
{
  "Message": "Invalid Request. CorrelationId:
077a899f-ba09-4844-9366-200f1e19f9a3"
}
```

Get Products

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Products** API retrieves products for a specified category for a specified product list.

You can use the [Get Product Lists](#) API to find the product list ID (**id**) and category (**category**).

Sample request

```
GET https://api.armor.com/products/1/instance
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/products/{id}/{category}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	ID for the product list of the desired products	Integer	Required	
category	Category of the desired products in the product list	String	Required	

Sample return

Status	Response
200	<pre>[{ "name": "A1-CentOS 6", "sku": "A1-101", "category": "Instance", "description": "Armor-hardened 64-bit CentOS 6 image with 30GB SSD storage", "typeCode": "PT01", "price": [{ "location": "DFW01", "amount": 25,</pre>

```
    "units": null
  },
  {
    "location": "PHX01",
    "amount": 25,
    "units": null
  }
],
"priceType": "PerUnit",
"instanceSeries": "A",
"cpu": 1,
"memory": 2,
"baseDiskSize": 30,
"baseDiskTier": "SSD",
"operatingSystem": "CentOS 6",
"billingOnly": false
},
{
  "name": "A1-CentOS 7",
  "sku": "A1-102",
  "category": "Instance",
  "description": "Armor-hardened 64-bit CentOS 7 image with 30GB
SSD storage",
  "typeCode": "PT01",
  "price": [
    {
      "location": "DFW01",
      "amount": 25,
      "units": null
    },
    {
      "location": "PHX01",
      "amount": 25,
      "units": null
    }
  ],
  "priceType": "PerUnit",
  "instanceSeries": "A",
  "cpu": 1,
  "memory": 2,
  "baseDiskSize": 30,
  "baseDiskTier": "SSD",
  "operatingSystem": "CentOS 7",
```

	<pre> "billingOnly": false }]</pre>
400	<pre>Bad Request</pre>

Get Permissions

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Permissions** API retrieves the permissions associated with your account.

Sample request

```
GET https://api.armor.com/permissions
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/permissions	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "name": "accounts", "permissions": [{ "id": 29, "name": "Read Identity", "system": "identity", "resource": "accounts", "endpoints": [{ "method": "GET", "route": "accounts" }, { "method": "GET", "route": "accounts/{accountId}" }, { "method": "GET",</pre>


```

        "route": "account/contacts"
    },
    {
        "method": "GET",
        "route": "roles"
    },
    {
        "method": "GET",
        "route": "roles/{id}"
    },
    {
        "method": "GET",
        "route": "users"
    },
    {
        "method": "GET",
        "route": "users/{id}"
    },
    {
        "method": "GET",
        "route": "usersecurity/challengephrase"
    },
    {
        "method": "GET",
        "route": "usersecurity/challengephrase/{userId}"
    },
    {
        "method": "GET",
        "route": "usersecurity/securityquestions"
    },
    {
        "method": "GET",
        "route": "users/LockedOut/{accountId}/{email}"
    },
    {
        "method": "GET",
        "route": "survey/{accountId}/{userId}"
    }
],
    "description": "View account information."
},
{
    "id": 32,
    "name": "Write Account",
    "system": "identity",
    "resource": "accounts",
    "endpoints": [
        {
            "method": "POST",
            "route": "accounts"
        }
    ]
},
    "description": "Update account information"

```


	<pre>] }]</pre>
400	Bad Request

Get Roles

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Roles** API retrieves the roles associated with your account, including the corresponding permissions and users in this role.

You can use this API to find the role ID. You will need this ID for other role-related APIs.

Sample request

```
GET https://api.armor.com/roles
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

200

```
[
  {
    "id": 4,
    "name": "Admin",
    "created": "2015-12-13T02:00:46.51",
    "modified": null,
    "members": [
      {
        "id": 2,
        "firstName": "John",
        "lastName": "Smith",
        "email": "john.smith@example.com",
        "added": "2015-12-13T02:01:30.923",
        "enabled": true
      }
    ],
    "permissions": [
      1,
      2,
      3
    ],
    "default": true
  }
]
```

404

Create Role

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Create Role** API creates a role with corresponding permissions.

You can use the [Get Permissions](#) API to find the permission ID (**id**).

Sample request

```
POST https://api.armor.com/roles
{
  "name": "Role 1",
  "Permissions": [1,2,3]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
name	A name for the newly created role	String	Required	Role 1
Permissions	The permission IDs you want to add to the newly created role	Integers	Required	1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 8,
  "name": "Role 1",
  "created": "2015-01-07T00:25:05.103",
  "modified": null,
  "members": [],
  "permissions": [
    1,
    2,
    3
  ],
  "default": false
}
```

400

```
{
  "error": true,
  "message": "Invalid Request"
}
```

Delete Role

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Delete Role** API deletes a role.

You can use the [Get Roles](#) API to find the role ID (**id**).

Sample request

```
DELETE https://api.armor.com/roles/10
```

Input



The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles/{id}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID for the desired role	Integer	Required	10

Sample return

Status	Response
200	
404	

Get Role

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Role** API retrieves a specified role.

You can use the [Get Roles](#) API to find the role ID (**id**).

Sample request

```
GET https://api.armor.com/roles/4
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID for the desired role	Integer	Required	4

Sample return

Status	Response
--------	----------

200

```
{
  "id": 4,
  "name": "Admin",
  "created": "2015-12-13T02:00:46.51",
  "modified": null,
  "members": [
    {
      "id": 2,
      "firstName": "John",
      "lastName": "Smith",
      "email": "john.smith@example.com",
      "added": "2015-12-13T02:01:30.923",
      "enabled": true
    }
  ],
  "permissions": [
    1,
    2,
    3
  ],
  "default": true
}
```

404

Update Role Name and Permissions

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Update Role Name and Permissions** API updates the name of the role and adds permissions to the role.

You can use the [Get Roles](#) API to find the role ID.

Sample request

```
POST https://api.armor.com/roles/10
{
  "name": "Admin",
  "permissions": [
    1,2
  ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles/{id}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID for the desired role	Integer	Required	10
name	The name for the role	String	Optional	Admin
permissions	The ID for the permissions to add to the role	String	Optional	1

Sample return

Status	Response
--------	----------

200

```
{
  "id": 4,
  "name": "Admin",
  "created": "2015-12-13T02:00:46.51",
  "modified": null,
  "members": [
    {
      "id": 2,
      "firstName": "John",
      "lastName": "Smith",
      "email": "john.smith@example.com",
      "added": "2015-12-13T02:01:30.923",
      "enabled": true
    }
  ],
  "permissions": [
    1,
    2,
    3
  ],
  "default": true
}
```

400

```
{
  "error": true,
  "message": "Internal Server Error"
}
```

Delete User from a Role

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Delete User from a Role** API removes a user from a role.

You can use the [Get Roles](#) API to find the role ID (**id**) and the user ID / member ID (**id**).

Sample request

```
DELETE https://api.armor.com/roles/4/members/3
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles/{id}/members/{userId}	DELETE

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID of the role	Integer	Required	4
userId / memberId	The ID of the user / member	Integer	Required	3

Sample return

Status	Response
200	<pre>{ "roleId": 4, "id": 3, "firstName": "John", "lastName": "Smith", "email": "john.smith@armor.com", "createdDate": "2015-01-07T00:46:24.157", "isEnabled": true }</pre>

404

```
{  
  "error": true,  
  "message": "Invalid request: User cannot be found for the account"  
}
```

Add User to a Role

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Add User to a Role** API adds a user to a role.

You can use the [Get Roles](#) API to find the role ID (**id**) and the user ID / member ID (**id**).

Sample request

```
POST https://api.armor.com/roles/4/members/3
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/roles/{id}/members/{userId}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID for the role	Integer	Required	4
userId	The ID for the user / member	Integer	Required	3

Sample return

Status	Response
200	<pre>{ "roleId": 4, "id": 3, "firstName": "John", "lastName": "Smith", "email": "john.smith@example.com", "createdDate": "2015-01-07T00:46:24.157", "isEnabled": true }</pre>

400

```
{  
  "error": true,  
  "message": "Invalid request: User cannot be found for the account"  
}
```

Get Subscriptions

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Subscriptions** API retrieves subscriptions for the account.

Sample request

```
GET https://api.armor.com/subscriptions
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/subscriptions	GET

There are no parameters for this API call.

Sample return

Status	Response
200	<pre>[{ "uniqueProductIdentifier": "a4bee0fd-4a3c-4c23-87a1-bc2a136e6d06", "productName": "SQL Server Express 2008", "productCategory": "Software License", "quantity": 1, "sku": "DB-SQL-EXPRESS-2008", "price": 0, "totalPrice": 0 }]</pre>

Cancel Subscription

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Cancel Subscription** API cancels an active subscription.

You can use the [Get Subscriptions](#) API to find the **sku** and **uniqueProductIdentifier**.

Sample request

```
POST https://api.armor.com/subscriptions/actions/cancel

{
  "sku": "APP-MONITORING-PRO",
  "uniqueProductIdentifier": "e1158c05-5191-1547-a8e1-d56bed8d4cc"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/subscriptions/actions/cancel	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
sku	SKU of the product to be removed	String	Required	APP-MONITORING-PRO
uniqueProductIdentifier	Identifier for the specific product to be removed	String	Required	e1158c05-5191-1547-a8e1-d56bed8dc4cc

Sample return

Status	Response
202	

Get Users

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get Users** API retrieves a list of users in your account.

Sample request

```
GET https://api.armor.com/users
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
[
  {
    "id": 2540,
    "isMfaEnabled": true,
    "status": "enabled",
    "title": "",
    "firstName": "John",
    "lastName": "Smith",
    "email": "john.smith@example.com",
    "phonePrimary": {
      "countryCode": 1,
      "countryIsoCode": null,
      "number": "8880000000"
    },
    "timezone": "GMT Standard Time",
    "culture": "en-US",
    "permissions": [
      1,
      2
    ],
    "lastModified": "2015-12-08T20:25:34.083",
    "passwordLastSet": "0001-01-01T00:00:00",
    "mustChangePassword": false,
    "lastLogin": "0001-01-01T00:00:00",
    "mfaMode": "VoiceCall",
    "mfaPinMode": "Standard"
  }
]
```

Invite User

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Invite User** API invites a new or existing user to an account.

You can use the [Get Roles](#) API to find the role ID (**id**).

Sample request

```
POST https://api.armor.com/users

REQUEST:
{
  "firstName": "John",
  "lastName": "Smith",
  "email": "john.smith@example.com",
  "roles": [
    {
      "id": 1
    }
  ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
firstName	First name of the user you want to create	String	Required	John
lastName	Last name of the user you want to create	String	Required	Smith
email	Email address of the user you want to create	String	Required	john.smith@example.com
roles	Array of roles you want to apply to the user	Roles[]	Required	1

Sample return

Status	Response
--------	----------

200

```
{"id":2598}
```

Get User

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get User** API retrieves account information for a specified user.

You can use the [Get Users](#) API to find the user ID (**id**).

Sample request

```
GET https://api.armor.com/users/1
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/{id}	GET

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	ID of the user	Integer	Required	1

Sample return

Status	Response
--------	----------

```
{
  "id":2402,
  "isMfaEnabled":true,
  "status":"enabled",
  "title":"","
  "firstName":"John",
  "lastName":"Smith",
  "email":"john.smith@example.com",
  "phonePrimary":{
    "countryCode":1,
    "countryIsoCode":"US",
    "number":"8880000000"
  },
  "timezone":"GMT Standard Time",
  "culture":"en-US",
  "permissions":[
    1
  ],
  "lastModified":"2015-09-22T15:28:06.89",
  "passwordLastSet":"0001-01-01T00:00:00",
  "mustChangePassword":false,
  "lastLogin":"2015-10-26T20:23:58.067",
  "mfaMode":"VoiceCall",
  "mfaPinMode":"Standard"
}
```


Update User

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Update User** API updates the profile details for a user.

You can use the [Get Users](#) API to find the user ID (**id**).

You can use the [Get Accounts](#) API to find the account ID (**id**)

Sample request

```
PUT https://api.armor.com/users/2381
```

```
REQUEST:
```

```
{
  "firstName": "John",
  "lastName": "Smith",
  "title": "",
  "status": "enabled",
  "isMfaEnabled": true,
  "phonePrimary": {
    "countryCode": "1",
    "countryIsoCode": "US",
    "number": "8880000000"
  },
  "culture": "en-US",
  "timezone": "GMT Standard Time",
  "accountid": 2093,
  "mfaMode": "VoiceCall",
  "mfaPinMode": "Standard",
  "mfaPin": null
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/{id}	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	ID of the user	Integer	Required	1
firstName	First name of the user	String	Required	John
lastName	Last name of the user	String	Required	Smith
status	The status of the user account, either enabled or disabled	String	Required	enabled
isMfaEnabled	The status of MFA for the user account, either enabled or disabled	Boolean	Required	true
phonePrimary	An array for the phone number to be associated with the user account, especially for MFA	String	Required	[]

Sample return

Status	Response
200	<pre> { "id":2381, "firstName":"John", "lastName":"Smith", "title":"", "status":"enabled", "isMfaEnabled":true, "phonePrimary":{ "countryCode":"1", "countryIsoCode":"US", "number":"8880000000" }, "culture":"en-US", "timezone":"GMT Standard Time", "accountid":2093, "mfaMode":"VoiceCall", "mfaPinMode":"Standard", "mfaPin":null } </pre>

Reset User Password

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Reset User Password** API resets a user's password.

You can use the [Get Users](#) API to find the user ID (**id**).

You can use the [Get Accounts](#) API to find the account ID (**id**)

Sample request

```
POST https://api.armor.com/users/resetpassword
{
  "password": "y+9:_(Z9n!T^v' ]T",
  "oldPassword": "H\r*saE'-C&/dM8f",
  "email": "john.smith@gmail.com",
  "id": 200,
  "accountId": 50
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/accounts	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
password	New Password	String	Required	y+9:_(Z9n!T^v]T
oldPassword	Old Password	String	Required	H\r*saE'-C&/dM8f
email	Email address	String	Required	john.smith@gmail.com
id	The ID of the user	Integer	Required	200
accountId	The ID of the account	Integer	Required	50

Sample return

Status	Response
200	<pre>true</pre>

Get User Notification Settings

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Get User Notification Settings** API retrieves a user's notification setting. Notification settings determine the types of notifications a user is subscribed to, such as Technical Notifications or Ticket Notifications.

Additionally, this API determines how to send these notifications. There are three ways to receive a notification:

- An alert in the Armor Management Portal (AMP)
- A text message
- An email

Sample request

```
GET https://api.armor.com/users/notifications
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/notifications	GET

There are no parameters for this API call.

Sample return

Status	Response
--------	----------

```
{
  "notificationPreferences": [
    {
      "userId": 2,
      "accountId": 2,
      "notificationTypeId": "7",
      "notificationType": "Billing",
      "alert": true,
      "sms": false,
      "email": false
    },
    {
      "userId": 2,
      "accountId": 2,
      "notificationTypeId": "3",
      "notificationType": "Ticket",
      "alert": true,
      "sms": false,
      "email": true
    },
    {
      "userId": 2,
      "accountId": 2,
      "notificationTypeId": "2",
      "notificationType": "Security",
      "alert": false,
      "sms": false,
      "email": false
    },
    {
      "userId": 2,
      "accountId": 2,
      "notificationTypeId": "1",
      "notificationType": "Account",
      "alert": false,
      "sms": false,
      "email": true
    },
    {
      "userId": 2,
      "accountId": 2,
      "notificationTypeId": "8",
      "notificationType": "Technical",
      "alert": false,
      "sms": false,
      "email": true
    }
  ]
}
```


Update User Notification Settings

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Update User Notification Settings** API updates your notifications settings.

You can use the **GET <https://api.armor.com/me>** to find your user ID (**id**).

You can use the **Get User Notification Settings** API to find your user ID (**userId**), account ID (**accountId**), and notification ID (**notificationTypeId**).

Sample request

```
POST https://api.armor.com/users/notifications
```

```
REQUEST:
```

```
{
  "userId": 2903,
  "isSelfUpdate": true,
  "notificationPreferences": [
    {
      "userId": 2903,
      "accountId": 2,
      "notificationTypeId": "2",
      "alert": true,
      "sms": true,
      "email": true
    }
  ]
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/notifications	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
userId	The ID of the user	Integer	Required	2903
isSelfUpdate	If you are updating your own notification preferences	Boolean	Required	true

NotificationPreferences	Array of notification preferences	UserNotificationPreferences[]	Required	[]
-------------------------	-----------------------------------	-------------------------------	----------	----

Sample return

Status	Response
200	<pre>true</pre>
400	<pre>"Invalid Request"</pre>

Enable/Disable User

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Enable/Disable User** API enables or disables a user account.

You can use the [Get Users](#) API to find the user ID (**id**).

You can use the [Get Accounts](#) API to find the account ID (**id**).

Sample request

```
POST https://api.armor.com/users/status
```

```
REQUEST:
```

```
{
  "id": 8,
  "isEnabled": true,
  "accountId": 2,
  "email": "john.smith@example.com"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/status	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID of the user	Integer	Required	8
isEnabled	The enabled status of the user	Bool	Required	true
accountID	ID of the account	Integer	Required	2
email	The email (username) of the user	String	Required	john.smith@example.com

Sample return

Status	Response
--------	----------

200

```
{  
  "id": 5718,  
  "isEnabled": false,  
  "accountId": 1057,  
  "email": null,  
  "userInAccounts": 0,  
  "userPerformingAction": 0  
}
```

400

```
"Invalid Request"
```

Resend User Invite

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Resend User Invite** API resends the email invitation to the invited user.

You can use the [Get Users](#) to find the account ID of the invited user.

Sample request

```
POST https://api.armor.com/users/1/invite
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/users/{id}/invite	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
id	The ID of the invited user	Integer	Required	1

Sample return

Status	Response
200	<pre>{}</pre>
400	<pre>"Invalid Request"</pre>

Update User Challenge Phrase

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Update User Challenge Phrase** API updates the challenge phrase and answer for your user account.

- If you call Armor for technical support, you will be asked the **Challenge Phrase**, and you must correctly answer the **Challenge Answer**.
- Do not use inappropriate language or suggestive material.
- The answer must be at least five characters long.

In this API, the term **Challenge Answer** appears in the Armor Management Portal (AMP) as **Challenge Response**.

You can use the **GET <https://api.armor.com/me>** to find your user ID.

Sample request

```
PUT https://api.armor.com/usersecurity/challengephrase
```

```
Request{
  "userId":0,
  "challengePhrase":"what is your mother's maiden name?",
  "challengeAnswer":"maiden"
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
usersecurity/challengephrase	PUT

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
userId	The ID of the user	Integer	Required	0
challengePhrase	The question Armor Support will ask you when you call for support	String	Required	what is your mother's maiden name?
challengeAnswer	The answer you must give to continue working with Armor Support	String	Required	maiden

Sample return

Status	Response
200	<pre>{ "userId": 0, "challengePhrase": "what is your mother's maiden name?", "challengeAnswer": "maiden", "userName": "user@example.com", "signedInUserId": 0 }</pre>
400	<pre>Bad Request</pre>

Validate MFA Phone Device

Overview

This API call applies to both **Armor Complete - Secure Hosting** and **Armor Anywhere - Security** users.

The **Validate MFA Phone Device** API validates a phone number to use for Multi-Factor Authentication (MFA).

You can enter spaces and special characters for the phone number.

Sample request

```
POST https://api.armor.com/usersecurity/validatemfaphone
```

```
Request {
  "MfaPhone": "555-555-5555",
  "MfaPhoneCountryCode": "1",
  "UserName": "user@example.com",
  "IsValid": false
  "PhoneExt": 12345
}
```

Input

The following table describes the different parts of this API call:

API Call / URL	Method / Type
/usersecurity/validatemfaphone	POST

The following table describes the parameter (or parameters) for this API call:

Parameter	Description	Format	Required or optional	Example
MfaPhone	A phone number	Integer	Required	555-555-5555
MfaPhoneCountryCode	The country code for your phone number	Integer	Required	1
UserName	Your AMP username	String	Required	user@example.com
IsValid	The validation status of your phone number You must enter false so that Armor can test and validate your phone number.	Boolean	Required	false
PhoneExt	The extension for your phone number	Integer	Optional	12345

Sample return

Status	Response
200	<pre>{ "MfaPhone": "555-555-5555", "MfaPhoneCountryCode": "1", "UserName": "user@example.com", "IsValid": true }</pre>
400	<pre>Bad Request</pre>

Learn about Armor API

Request Methods

The API follows basic RESTful conventions and uses HTTP methods to describe the type of request that is being submitted.

In general, endpoints follow these guidelines:

Method	Description
GET	Use this method to receive an array of objects from a collection. You can also use this method to receive a specific item from the collection.
POST	Use this method to create an object.
PUT	Use this method to update an object. Here, you will update the entire object.
PATCH	Use this method to update an object. Here, you will only submit the specific properties that should be updated.
DELETE	Use this method to delete an object.

Object-type definitions

Firewall Rules

Name	Description	Type	Required
id	The ID of the firewall rule	Integer	Optional
destinations	Array of RuleMember objects	Array	Required
sources	Array of RuleMember objects	Array	Required
services	Array of Service objects	Array	Required
action	Allow, block	Enumeration	Required
name	Name of the firewall rule	String	Required
description	Description of the firewall rule	String	Optional
sortOrder	Sort Order for the firewall rule	Integer	Required
isEnabled	Specifies whether the rule is enabled	Boolean	Required
readonly	Reserved for Armor defined rules, should always be false	Boolean	Required

Rule Member

Name	Description	Type	Required
id	The ID of the rule member	Integer	Required
name	The Name of the rule member	String	Required
type	"group," "any"	Enumeration	Required
values	Array of network addresses	Array	Optional (Only if type is group)

Service

Name	Description	Type	Required
id	ID of the service	Integer	Required
deviceId	ID of the device the service belongs to	Integer	Required
location	Name of the location	String	Required
name	Name of the service	String	Required
description	Name of the description	String	Optional
values	Array of ServiceValue	Array	Required

Service Value

Name	Description	Type	Required
port	Port of the service to open. Either this or minimum/maximum port ranges must be specified.	Integer	Optional
protocol	tcp, udp, icmp	Enumeration	Required
subprotocol	ICMP protocol only. Available enum values: "echo-reply", "echo-request", "destination-unreachable", "source-quench", "time-exceeded"	Enumeration	Optional
minimum	The minimum port range for the service. If this is specified, maximum is required. Either this or "port" should be specified.	Integer	Optional
maximum	The maximum port range for the service. If this is specified, minimum is required. Either this or "port" should be specified.	Integer	Optional

Return definitions

Return	Description
200	Your request is successful.
202	Your request is accepted, but may take longer than usual to complete.
400	Your request failed.
404	Your resource does not exist. For example, the virtual machine you specified does not exist.
500	An error occurred on the server side and cannot process the request.