

# File Integrity Monitoring

## Armor Knowledge Base

### Topics Discussed

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To fully use this screen, you must add the following permissions to your account:

- Read FIM

### View FIM Data

1. In the Armor Management Portal (AMP), in the left-side navigation, click **Security**.
2. Click **File Integrity Monitoring**.

Column	Description
<b>Name</b>	For Armor Complete, the name of the virtual machine you created in AMP. For Armor Anywhere, the name of the instance that contains the installed Anywhere agent, which includes the FIM sub-agent.
<b>Provider</b>	For Armor Complete, the entry will display <b>Armor</b> . For Armor Anywhere, the name of the public cloud provider for the instance.
<b>Status</b>	The health status of the sub-agent, which is based on how long the FIM sub-agent has been offline. There are three status types: <ul style="list-style-type: none"><li>• Secured (in green)</li><li>• Warning (in yellow)</li><li>• Critical (in red)</li></ul>
<b>Connectivity</b>	The connection status of the sub-agent. There are three connection types: <ul style="list-style-type: none"><li>• <b>Online</b> indicates that the sub-agent is online.</li><li>• <b>Offline</b> indicates that the sub-agent is currently offline.</li><li>• <b>Needs Attention</b> indicates that the sub-agent has not communicated with Armor.</li></ul>
<b>Timestamp</b>	The date and time that the FIM sub-agent last communicated with Armor.



To learn how the overall FIM status is determined, see [Understand FIM data](#).

### Understand FIM Data

In the **File Integrity Monitoring** screen, the dashboard displays the various FIM statuses of your virtual machines (or hosts):

- **Green** indicates a virtual machine in a **Secured** FIM status.
- **Yellow** indicates a virtual machine in a **Warning** FIM status.
- **Red** indicates a virtual machine in a **Critical** FIM status.

Armor determines the status of **FIM** based on how long **FIM** has been offline.

- If **FIM** is offline for 2 to 7 days, then the **FIM** status changes from **Secured** to **Warning**.
- If **FIM** is offline for 8 days or more, then the **FIM** status changes from **Warning** to **Critical**.

Length of offline status	Security Status
2 to 7 days	Warning
8 days or more	Critical



The overall status of your virtual machine is based on the individual status of your virtual machine's sub-components, including **FIM**.

## View Detailed FIM Data

The **File Integrity Monitoring** details screen displays the changes that has been detected in certain files in your virtual machine. This screen only shows data for the last 90 days.

1. In the Armor Management Portal (AMP), in the left-side navigation, click **Security**.
2. Click **File Integrity Monitoring**.
3. Locate and select the desired virtual machine.

Column	Description
<b>Filename</b>	The name of the file where a change was detected.
<b>Description</b>	A short summary of the change that took place.
<b>Change Type</b>	The type of change that took place in the file.
<b>Scan Date</b>	The date when the change was detected.

## Export FIM Data

To export the data:

1. In the Armor Management Portal (AMP), in the left-side navigation, click **Security**.
2. Click **File Integrity Monitoring**.
3. (Optional) Use the filter function to customize the data displayed.
4. Below the table, click **CSV**. You have the option to export all the data (**All**) or only the data that appears on the current screen (**Current Set**).

Function	Data Displayed	Notes
<b>CSV</b>	Vm Name, Vm Provider, Ip Address, Os, Fim Agent Status Fixed, Fim Agent Version, Fim Last Communication Date	A blank entry indicates that the action has never taken place.



### Troubleshoot FIM Data

Armor troubleshoots servers that contain **File Integrity Monitoring** subcomponents in a **Warning** or **Critical** status. To troubleshoot with Armor, you must submit a support ticket.

1. In the Armor Management Portal (AMP), click **Support**, and then click **Tickets**.
2. Click **Create a Ticket**.
3. Select or search for the desired category for your ticket request type.
4. Complete the missing fields.
  - a. In **Description**, enter useful details that can help Armor quickly troubleshoot the problem.
5. Click **Create**.
6. To view the status of your ticket, in the left-side navigation, click **Support**, and then click **Tickets**.



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