Agentless File Integrity Monitoring (FIM)



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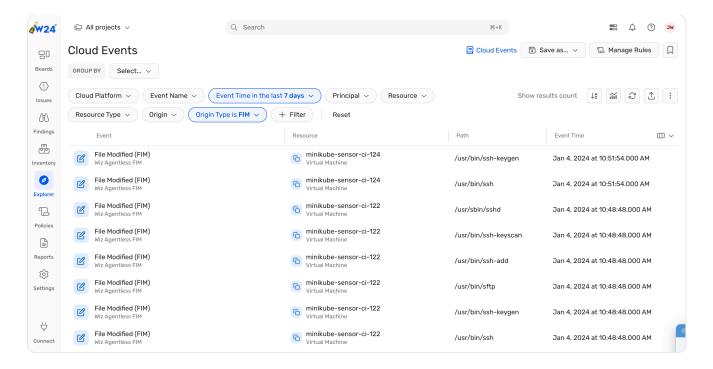
This feature requires a Wiz/Gov Advanced license. Learn more.

File Integrity Monitoring (FIM) detects and alerts on unauthorized changes to important files on your VMs. By periodically scanning and comparing files to previous scans, Wiz can detect if a file was created, deleted, or modified.

Other tools provide FIM by installing an agent or externally monitoring VMs by network access. This approach can be challenging to maintain in large, dynamic cloud environments. Wiz utilizes its agentless capabilities for FIM, giving you near-complete monitoring of important file changes without having to maintain agents or external scanners.

How it works

When scanning a VM, Wiz analyzes the files by policy and compares them to the previous scan to identify any changes that have occurred. When a file was created, deleted, or modified compared to the previous scan, Wiz creates a File Modified (FIM) event on the Explorer > Cloud Events page.



This event provides information about the specific file that was modified, including its path, event time, and the type of modification that occurred.

Validation

Since files are constantly changing, the number of events that surface can be quite overwhelming. This is why Wiz includes a validation process that helps you to gain additional insight into the origin of the new file or its modified content. This validation process is different for Windows and Linux:

> Windows verification process
> Linux verification process

For example, if a file was modified during an official Windows or Linux package update, this would be expected behavior and would not indicate any suspicious activity. However, if a file was modified and was not signed or known to be published by the official vendor, Wiz would not mark this change as Verified.

Monitored files

FIM monitors the following Windows, Linux and MacOS files:

Windows	Linux and Mac	Linux and MacOS	
• C:\autoexec.bat	• /bin		
• C:\boot.ini	• /boot	English -	

Windows	Linux and MacOS
• C:\config.sys	• /etc
• C:\Windows\system.ini	• /sbin
• C:\Windows\win.ini	• /usr/bin
• C:\Windows\regedit.exe	• /usr/local/bin
• C:\Windows\System32\userinit.exe	• /usr/local/sbin
• C:\Windows\explorer.exe	• /usr/sbin
• C:\Program Files\Microsoft Security	• /usr/share/keyrings
Client\msseces.exe	• /var/spool/cron
 Under c:\Windows\System32 the following file 	• /opt/bin
types are monitored:	• /opt/sbin
• bat	• /var/share/keyrings
• cfg	• /var/share/cron
• conf	
• config	
• dll	
• exe	
• ini	
• sys	

File monitoring is recursive, meaning that Wiz processes files that are located in subfolders or nested directories within a folder. For example, if /etc/ is listed, then the following files are also monitored:

- /etc/file.config
- /etc/foo/file.config
- /etc/foo/bar/file.config

Create FIM Event Policies and Automations

Isolate the most important FIM Events by creating a custom FIM Modified Threat Detection Rule. Creating a custom FIM Modified Threat Detection Rule allows you to:

- Quickly identify any FIM-related issues that occur.
- Define Automation Rules to send notifications or create event tickets for highpriority FIM events.

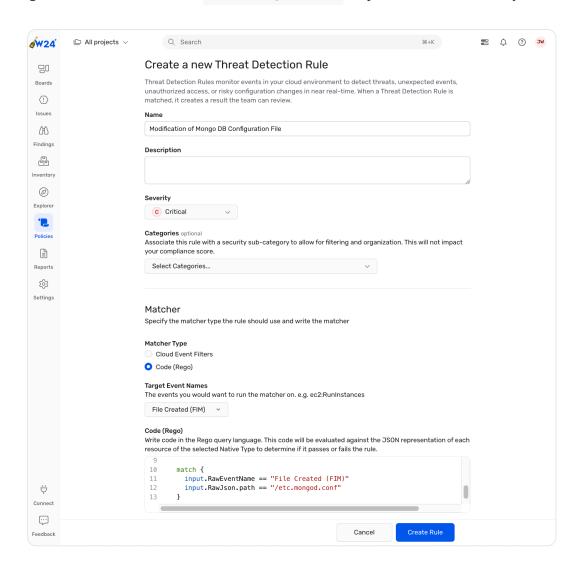
Example workflow

Create a custom Threat Detection Rule, then create an Automation Rule to trigger the Action when the cloud event is detected:

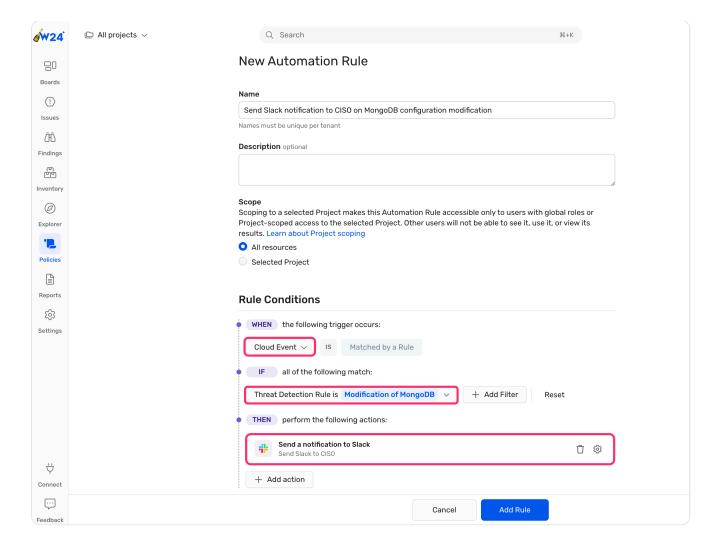
English -

1. <u>Create a custom Threat Detection Rule</u> with a Target Event Name of File Modified (FIM).

For example, create a custom FIM Modified Threat Detection Rule with a Critical severity to instantly send notifications on any modifications made to a MongoDB configuration file located in /etc/mongod.conf in your Production Project.



2. Create an Automation Rule from a Threat Detection Rule. After creating a Custom Threat Detection Rule, you can then create an Automation Rule to trigger an Action when a cloud event is detected. In the following screenshot, an Automation Rule is created that will send a Slack notification to the SOC team when the custom rule to detect MongoDB configuration file modification is detected.



FAQ

Have a question? See the FAQ.

- Updated 28 days ago
- Supported Resources for Cloud Configuration Rules

Agentless Software Bill of Materials (SBOM)