

The Savision Community

1. Introduction

The **Savision Community - Windows File Monitoring Management Pack** for Microsoft System Center Operations Manager (SCOM) was developed to simplify Windows file and folder monitoring. It adds a simple, but powerful wizard that provides users with the ability to create rules for monitoring Windows files and folders. An example of a rule that be created is monitoring a folder for the number of files that matches a specified pattern.

2. Prerequisites

The **Savision Community - Windows File Monitoring Management Pack** for SCOM requires a working SCOM environment. The following list outlines the environment and software that should be prepared prior to the installation of the Management Pack.

Supported Operating Systems:

- Windows Server 2003 SP2
- Windows Server 2008/2008 R2
- Windows Server 2012/2012 R2
- Windows Server 2016

One of the following Microsoft System Center Operations Manager versions:

- Microsoft System Center Operations Manager 2012/2012 R2 (preferably with the latest Update Rollup)
- Microsoft System Center 2016
- Microsoft System Center 1801

3. Limitations

3.1 The Management Pack can only target Microsoft Windows Servers for file and folder monitoring.



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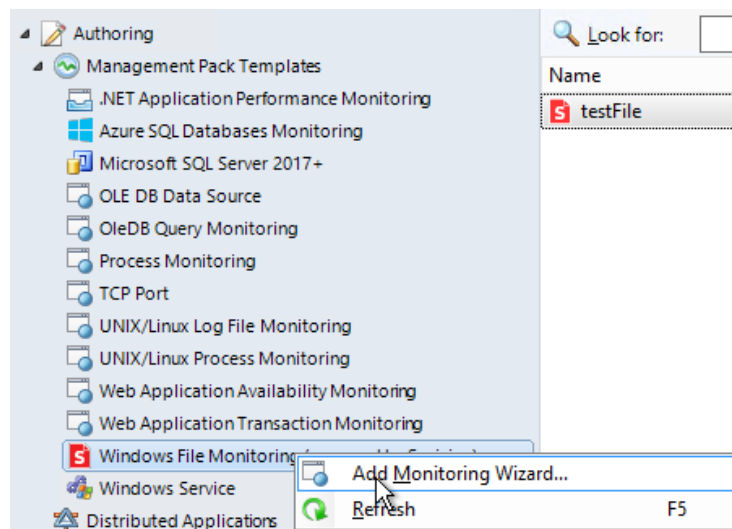
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4. Installing the Management Pack

- 4.1 Open the SCOM Operations Console and connect to your Management Server.
- 4.2 Click **Administration** in the left pane of the console.
- 4.3 Right-click **Management Packs** and select **Import Management Packs**.
- 4.4 Click **Add > Add from disk**.
- 4.5 From the **Select Management Packs to Import** dialog, browse to the location of the **Savision Community - Windows File Monitoring Management Pack**.
- 4.6 Click **Open**. The import list shows the selected management packs.
- 4.7 Click **Install**. The wizard starts the installation, showing the status of each import.
- 4.8 When the import completes, click **Close**.

5. Configuring File Monitoring

- 5.1 Open the SCOM Operations Console.
- 5.2 Click **Authoring** in the left pane of the console.
- 5.3 Right-Click on **Management Pack Templates** and select Add Monitoring Wizard.



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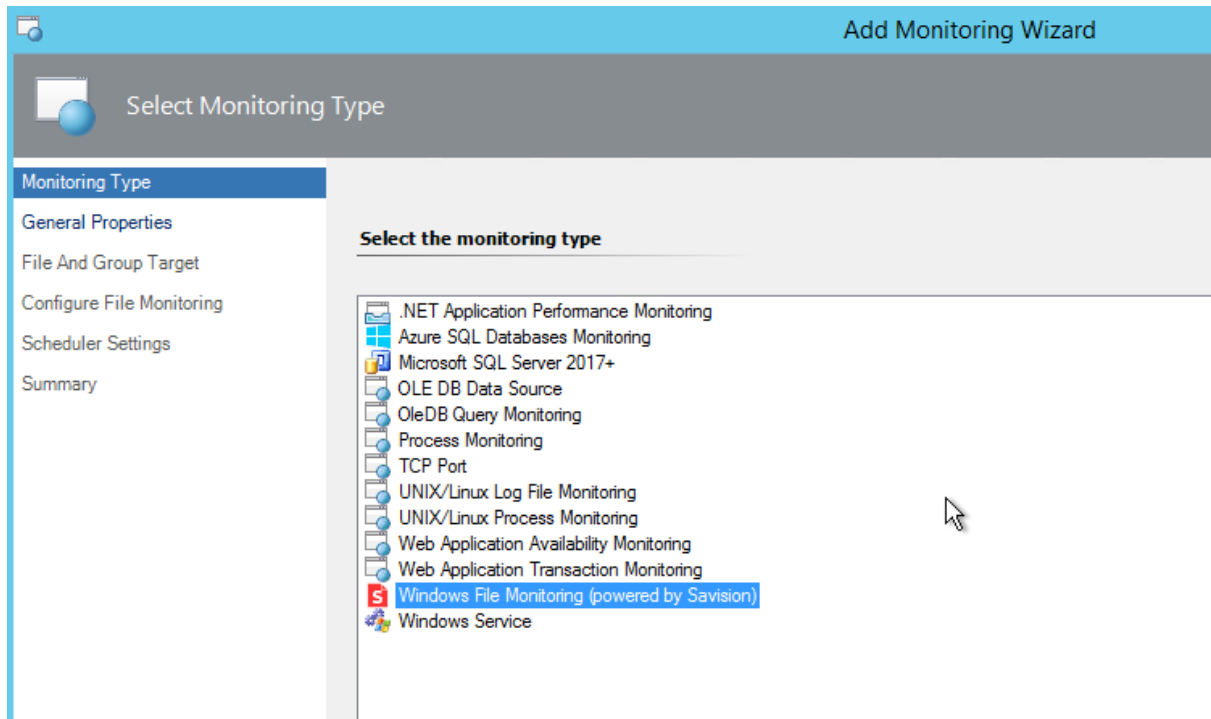
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- 5.4 From the **Add Monitoring Wizard** select **Windows File Monitoring (powered by Savision)** monitoring type.

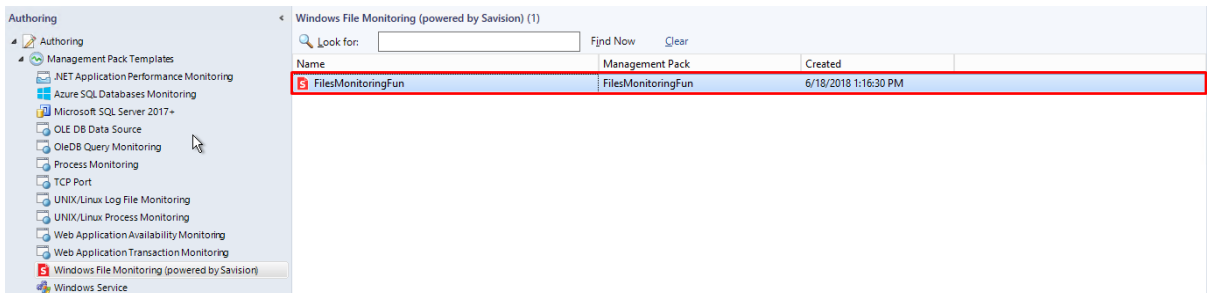


- 5.5 Click **Next**.
- 5.6 Go to **General Properties** and fill in the following fields: **Name**, **Description**, and Select a Management Pack.
- 5.7 Click **Next**.
- 5.8 Go to **Select Windows Files for Monitoring** and fill in the following fields:
- 5.8.1 **File Path** (can contain wildcard characters such as * and ?)
Note: "?" can only be used in the file portion of the path.
- 5.9 Select or create a new **Target Group**
Note: The target group must contain Windows servers.
- 5.10 Go to **Configure File Monitor Alerts** and fill in the following fields:
- 5.10.1 Select at least one of file monitor scenario:
- 5.10.1.1 Files Count Monitor – raises an alert if the file count matches a threshold condition.



- 5.10.1.2 Files Size Monitor – raises an alert if the file size matches a threshold condition.
- 5.10.1.3 File Last Modified Monitor – raises an alert if file last modified date matches a threshold condition.
- 5.10.2 Optional – Check this option in order to raise an alert if the file no longer exists.
- 5.11 Go to **Specify Schedule Settings** and fill in the following fields:
 - 5.11.1 Set a **Start Time**.
 - 5.11.2 Set an **End Time**.
 - 5.11.3 Define **Sample Interval** between samples.
 - 5.11.4 Set **Synchronize at**

Note: Synchronize at is an essential option with file and folder monitoring. For example, a batch process copies files from one location to another every hour on the hour. You would want to configure your file monitoring to start a few minutes past the hour to verify the batch process in a timely manner.
 - 5.11.5 **Specify days of week** for monitoring.
 - 5.11.6 Click **Next**.
- 5.12 Click **Create**.
- 5.13 Verify that a new monitoring item exists at **Windows File Monitoring (powered by Savision)** board.

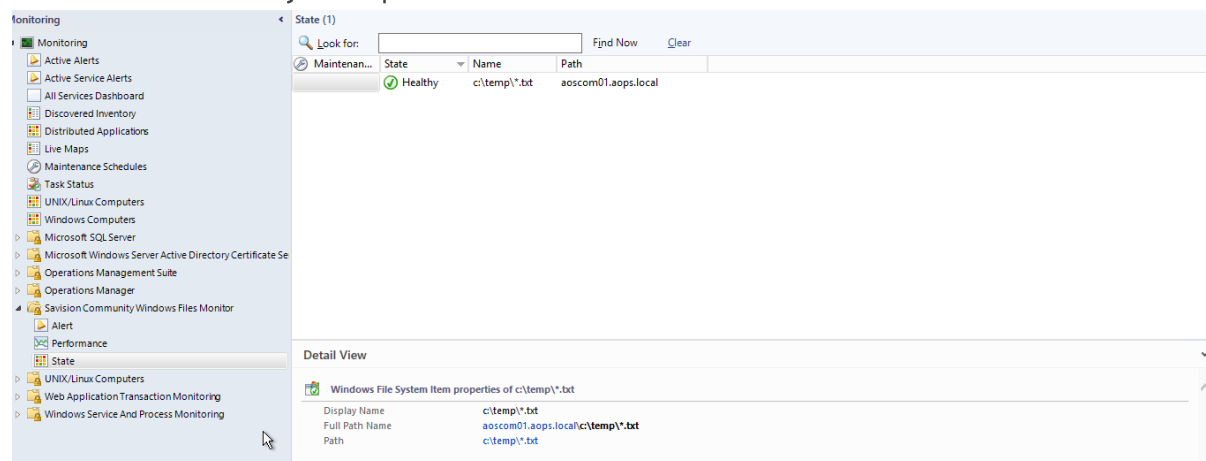


| Name | Management Pack | Created |
|--------------------|--------------------|----------------------|
| FilesMonitoringFun | FilesMonitoringFun | 6/18/2018 1:16:30 PM |

- 6 Using a **Windows File Monitoring**
 - 6.1 Open the SCOM Operations Console.
 - 6.2 Click **Monitoring** in the left pane of the console.
 - 6.3 Left click on **State** view within the **Savision Community Windows Files Monitor**.



6.3.1 A list of monitored objects is presented.



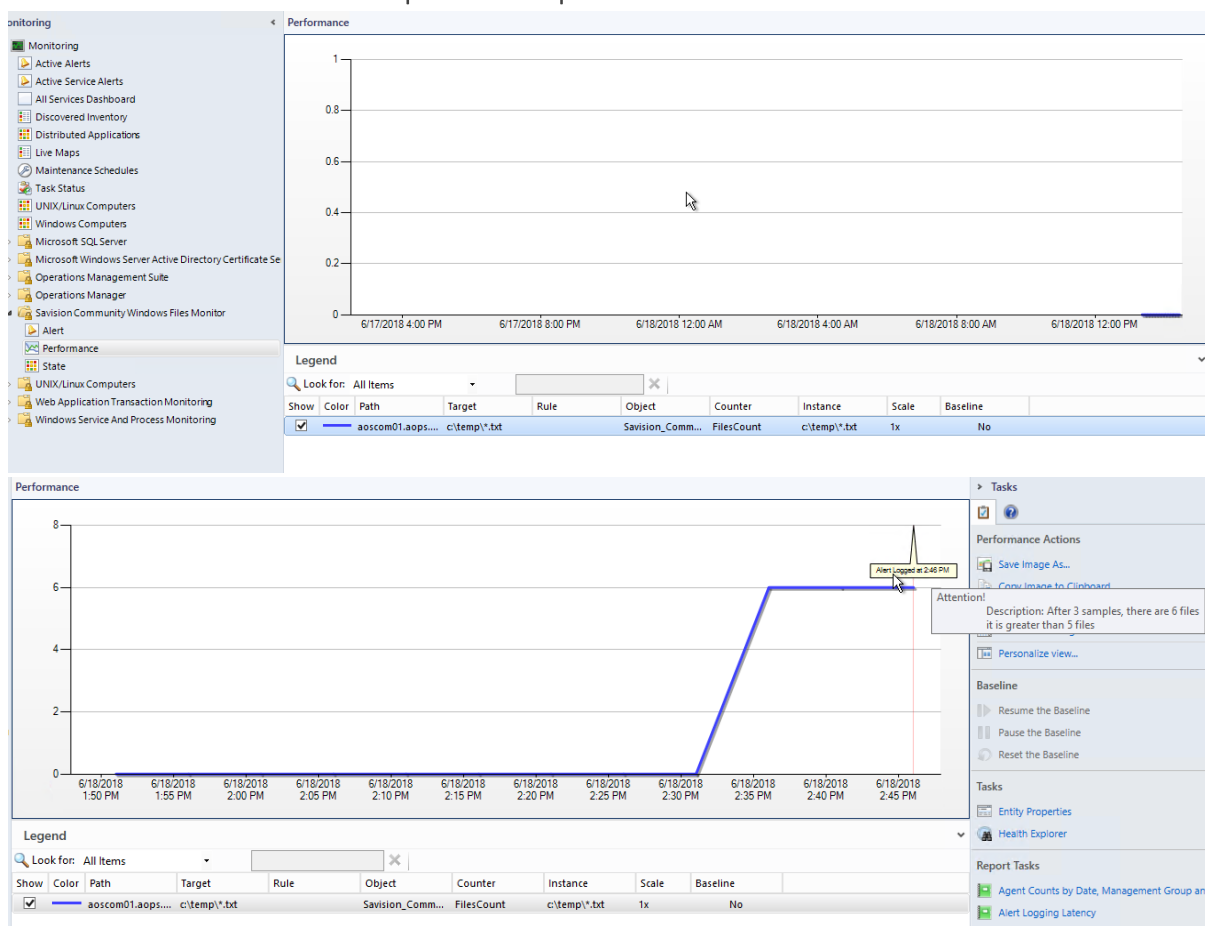
The screenshot shows the Monitoring console with the 'State' view selected. The left-hand navigation pane lists various monitoring categories, with 'Savision Community Windows Files Monitor' expanded to show 'Alert', 'Performance', and 'State'. The main area displays a table of monitored objects:

| Maintenan... | State | Name | Path |
|--------------|---------|---------------|---------------------|
| | Healthy | c:\temp*.txt | aoscom01.aops.local |

Below the table, the 'Detail View' section shows the properties of the selected file system item:

| Property | Value |
|----------------|-----------------------------------|
| Display Name | c:\temp*.txt |
| Full Path Name | aoscom01.aops.local/c:\temp*.txt |
| Path | c:\temp*.txt |

6.4 Left click on Performance to open a list of performance metrics.



The screenshot shows the Monitoring console with the 'Performance' view selected. The left-hand navigation pane is the same as in 6.3.1, but 'Performance' is now selected. The main area displays a line graph showing performance metrics over time. The x-axis represents time from 6/17/2018 4:00 PM to 6/18/2018 12:00 PM. The y-axis represents a value from 0 to 1. The graph shows a flat line at 0 until approximately 6/18/2018 2:30 PM, where it rises sharply to a value of 6 and remains constant until 6/18/2018 2:45 PM. A tooltip indicates 'Alert! Logged at 2:45 PM'.

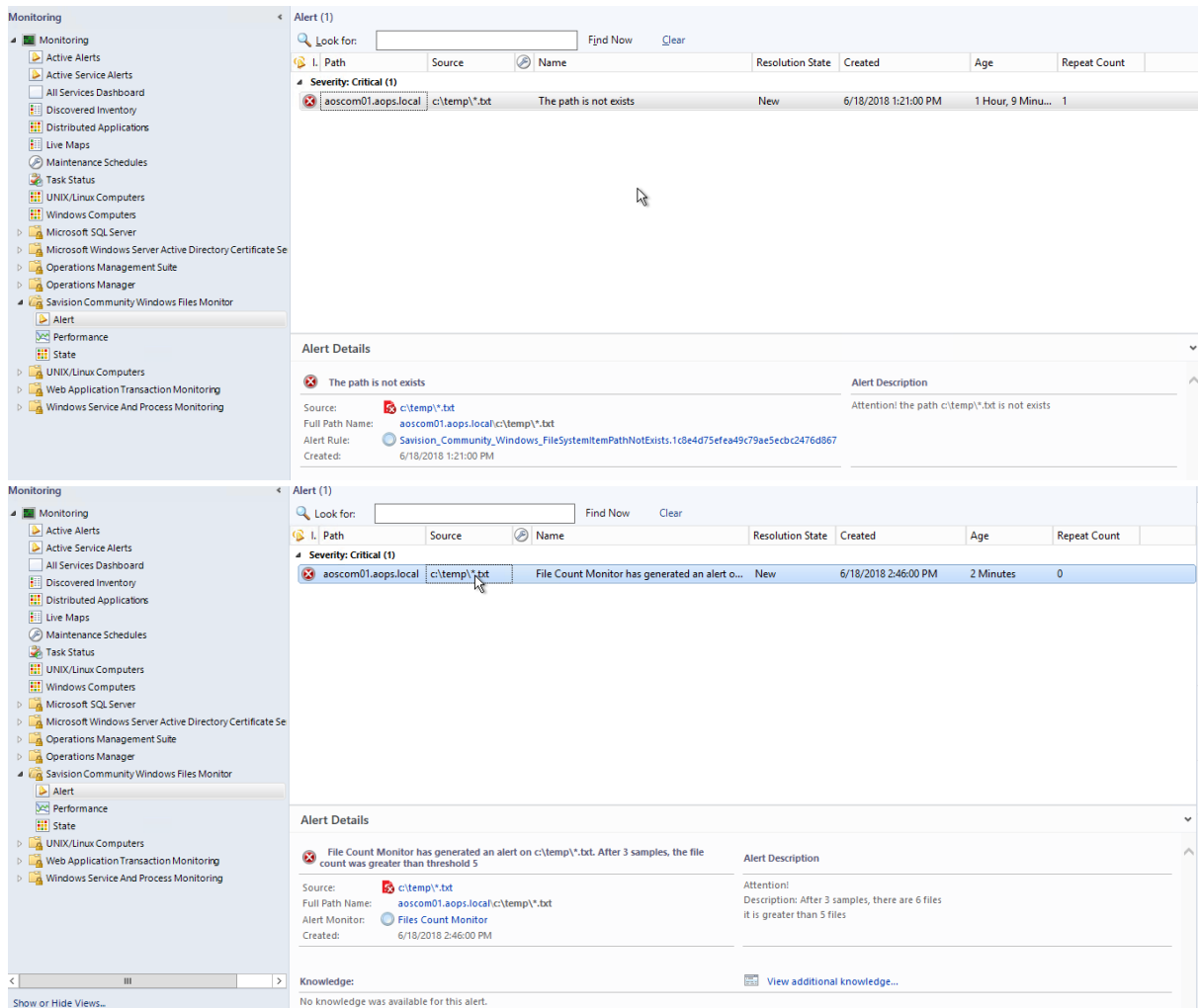
Below the graph is a legend table:

| Show | Color | Path | Target | Rule | Object | Counter | Instance | Scale | Baseline |
|-------------------------------------|-------|--------------------------------|--------|------------------|------------|---------------|----------|-------|----------|
| <input checked="" type="checkbox"/> | Blue | aoscom01.aops... c:\temp*.txt | | Savision_Comm... | FilesCount | c:\temp*.txt | 1x | No | |

On the right side of the console, there are several panels: 'Tasks', 'Performance Actions' (Save Image As..., Copy Image to Clipboard), 'Baseline' (Resume, Pause, Reset), 'Entity Properties', 'Health Explorer', and 'Report Tasks' (Agent Counts by Date, Management Group and Alert Logging Latency).



6.5 Left click on **Alert** to open a list of open alerts.



The screenshot shows the Savision monitoring interface. On the left is a navigation tree with 'Alert' selected under 'Savision Community Windows Files Monitor'. The main area displays a table of alerts:

| Severity | Source | Name | Resolution State | Created | Age | Repeat Count |
|--------------|---------------------|---------------|--|---------|----------------------|---------------------|
| Critical (1) | aoscom01.aops.local | c:\temp*.txt | The path is not exists | New | 6/18/2018 1:21:00 PM | 1 Hour, 9 Minu... 1 |
| Critical (1) | aoscom01.aops.local | c:\temp*.txt | File Count Monitor has generated an alert o... | New | 6/18/2018 2:46:00 PM | 2 Minutes 0 |

Below the table, the 'Alert Details' section for the selected alert is shown:

Alert Details

The path is not exists

Source: c:\temp*.txt
 Full Path Name: aoscom01.aops.local:c:\temp*.txt
 Alert Rule: Savision_Community_Windows_FileSystemItemPathNotExists.1c8e4d75efea49c79ae5ecbc2476d067
 Created: 6/18/2018 1:21:00 PM

Alert Description

Attention! the path c:\temp*.txt is not exists

Alert Details

File Count Monitor has generated an alert on c:\temp*.txt. After 3 samples, the file count was greater than threshold 5

Source: c:\temp*.txt
 Full Path Name: aoscom01.aops.local:c:\temp*.txt
 Alert Monitor: Files Count Monitor
 Created: 6/18/2018 2:46:00 PM

Alert Description

Attention!
 Description: After 3 samples, there are 6 files it is greater than 5 files

Knowledge: No knowledge was available for this alert. [View additional knowledge...](#)

