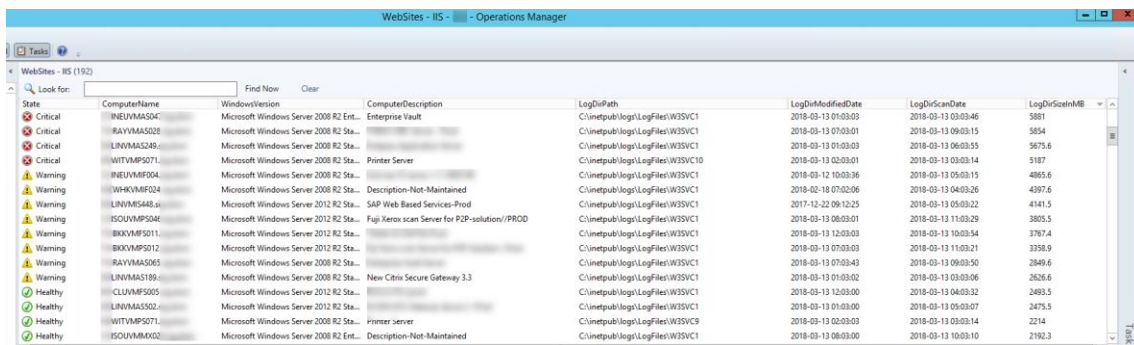


Monitoring Webservers' Log directory size with SCOM

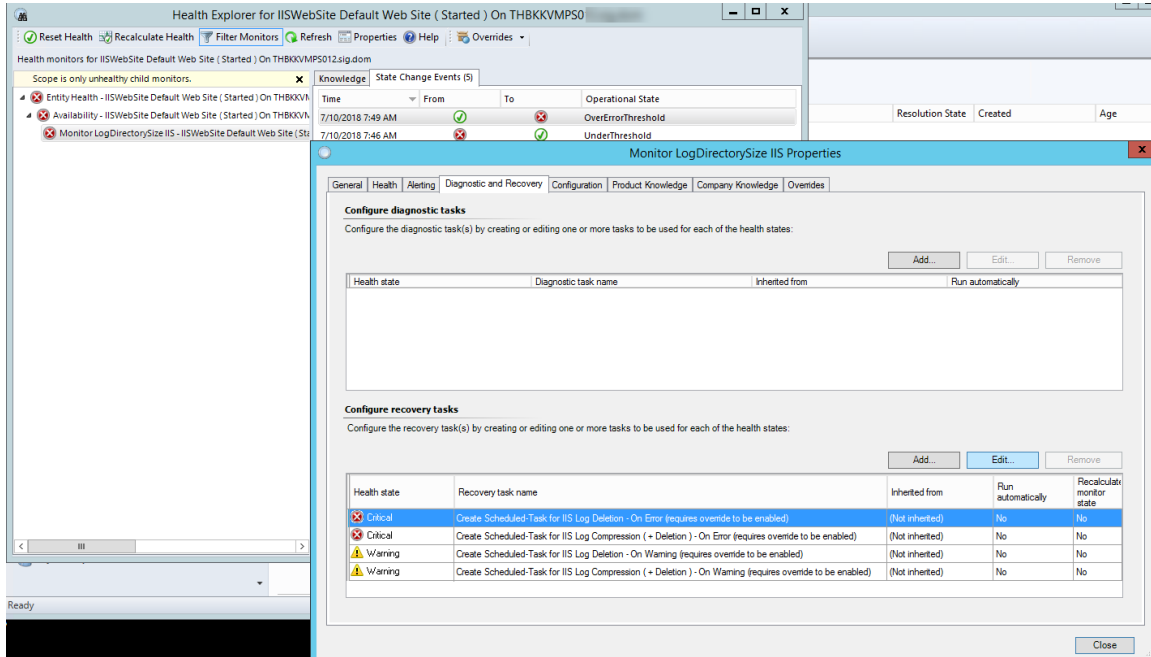
IIS, Apache and Tomcat can write log files. Often, these files occupy large space cause a disk filling up.

This Management Pack discovers log-folders and raises alerts based on thresholds. - Thresholds and alert behavior can be overridden as usual.



State	ComputerName	WindowsVersion	ComputerDescription	LogDirPath	LogDirModifiedDate	LogDirScanDate	LogDirSizeMB
Critical	INEUVMAS04	Microsoft Windows Server 2008 R2 Ent...	Enterprise Vault	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 01:03:03	2018-03-13 03:03:46	3581
Critical	RAVVMAS028	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:03:01	2018-03-13 09:03:15	5654
Critical	LINVMAS248	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 01:03:03	2018-03-13 06:03:55	5675.6
Critical	WITVMP5071	Microsoft Windows Server 2008 R2 Sta...	Printer Server	C:\inetpub\logs\LogFiles\W3SVC10	2018-03-13 02:03:01	2018-03-13 03:03:14	5187
Warning	INEUVMF004	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-12 10:03:36	2018-03-13 05:03:15	4865.6
Warning	WIKVMF024	Microsoft Windows Server 2008 R2 Sta...	Description-Not-Maintained	C:\inetpub\logs\LogFiles\W3SVC1	2018-02-18 07:02:06	2018-03-13 04:03:26	4397.6
Warning	LINVM5488.i	Microsoft Windows Server 2012 R2 Sta...	SAP Web Based Services-Prod	C:\inetpub\logs\LogFiles\W3SVC1	2017-12-22 09:12:25	2018-03-13 05:03:22	4141.5
Warning	ISOUVMP504	Microsoft Windows Server 2012 R2 Sta...	Fuji Xerox scan Server for P2P-solution/PROD	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 08:03:01	2018-03-13 11:03:29	3805.5
Warning	BKXVMP5011	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 12:03:03	2018-03-13 10:03:54	3767.4
Warning	BKXVMP5012	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:03:03	2018-03-13 11:03:21	3358.9
Warning	RAVVMAS063	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:03:43	2018-03-13 09:03:50	2649.6
Warning	LINVMAS189	Microsoft Windows Server 2008 R2 Sta...	New Citrix Secure Gateway 3.3	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 01:03:02	2018-03-13 03:03:06	2626.6
Healthy	CLINVMF505	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 12:03:00	2018-03-13 04:03:32	2493.5
Healthy	LINVMAS532	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 01:03:00	2018-03-13 05:03:07	2475.5
Healthy	WITVMP5071	Microsoft Windows Server 2008 R2 Sta...	Printer Server	C:\inetpub\logs\LogFiles\W3SVC9	2018-03-13 02:03:03	2018-03-13 03:03:14	2214
Healthy	ISOUVMMX02	Microsoft Windows Server 2008 R2 Ent...	Description-Not-Maintained	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 08:03:00	2018-03-13 10:03:10	2192.3

An integrated recovery task can help to control the growing by providing two log rotation mechanisms. If enabled, one of both tasks schedule a PowerShell script on the monitored computer to cleanup.



Health Explorer for IISWebSite Default Web Site (Started) On THBKXVMP50

Health monitors for IISWebSite Default Web Site (Started) On THBKXVMP5012.sig.dom

Scope is only unhealthy child monitors.

Knowledge State Change Events (5)

Time	From	To	Operational State
7/10/2018 7:49 AM			OverErrorThreshold
7/10/2018 7:46 AM			UnderThreshold

Resolution State Created Age

Monitor LogDirectorySize IIS Properties

General Health Alerting Diagnostic and Recovery Configuration Product Knowledge Company Knowledge Overrides

Configure diagnostic tasks

Configure the diagnostic task(s) by creating or editing one or more tasks to be used for each of the health states:

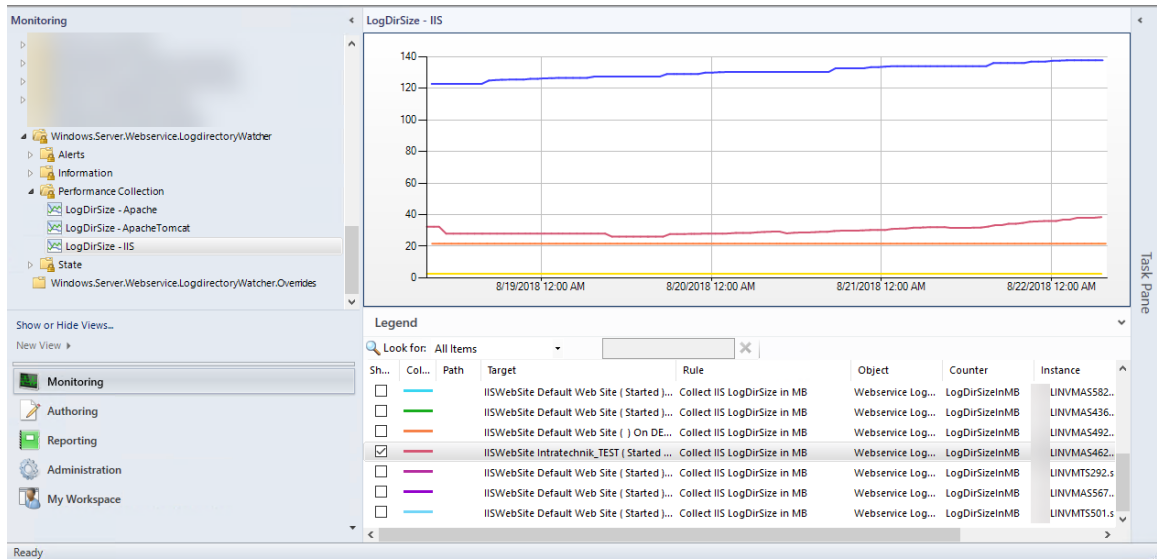
Health state	Diagnostic task name	Inherited from	Run automatically
--------------	----------------------	----------------	-------------------

Configure recovery tasks

Configure the recovery task(s) by creating or editing one or more tasks to be used for each of the health states:

Health state	Recovery task name	Inherited from	Run automatically	Recalculate monitor state
Critical	Create Scheduled-Task for IIS Log Deletion - On Error (requires override to be enabled)	(Not inherited)	No	No
Critical	Create Scheduled-Task for IIS Log Compression (+ Deletion) - On Error (requires override to be enabled)	(Not inherited)	No	No
Warning	Create Scheduled-Task for IIS Log Deletion - On Warning (requires override to be enabled)	(Not inherited)	No	No
Warning	Create Scheduled-Task for IIS Log Compression (+ Deletion) - On Warning (requires override to be enabled)	(Not inherited)	No	No

For better analysis experience the log directory size is logged.



This version is **not** compatible to build 1.0.0.329. The old Management Pack needs to be removed before importing the current one.

To ensure the code also runs on Windows Server 2008 R2 it uses PowerShell version 2.

Change History

Date	Build No.	Changes
2018-03-13	1.0.0.114	Initial Upload to GitHub
2018-05-17	1.0.0.231	Added recovery task for log file deletion
2018-07-13	1.0.0.329	Added recovery task for compression (+ deletion)
2018-08-22	1.0.0.353	Added performance collection rule for log directory size

Contents

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Change History	3
Management Pack components	4
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Discoveries	5
Monitors	6
Rules	6
Views.....	6
Recoveries.....	9

Management Pack components

Classes

Everything in SCOM that has a Health State is an object. Classes are the blueprint that define the properties of objects. Following tables show the classes that this Management Pack adds.

Webserver definition:

Class ID	Base
Windows.Server.Webservice.LogdirectoryWatcher.Computer	Windows!Microsoft.Windows.ComputerRole
Windows.Server.Webservice.LogdirectoryWatcher.Computer.ManagedByTask	Windows.Server.Webservice.LogdirectoryWatcher.Computer
Windows.Server.Webservice.LogdirectoryWatcher.Computer.IIS	Windows.Server.Webservice.LogdirectoryWatcher.Computer
Windows.Server.Webservice.LogdirectoryWatcher.Computer.Apache	Windows.Server.Webservice.LogdirectoryWatcher.Computer
Windows.Server.Webservice.LogdirectoryWatcher.Computer.ApacheTomcat	Windows.Server.Webservice.LogdirectoryWatcher.Computer

Website log directory definition:

Class ID	Base
Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Base	System!System.LogicalEntity
Windows.Server.Webservice.LogdirectoryWatcher.WebSite.IIS	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Base
Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheBase	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Base
Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Apache	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheBase
Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheTomcat	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheBase

Discoveries

The mechanism of finding objects and storing it in the SCOM database is called discovery. There are different types of discoveries, starting from matching registry values over results of an WMI query to scripts that can cover everything. Targets define on which component the discovery shall run.

Finding webservers:

ID	Target
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.Server.WebService.Computer.ApacheTomcat	Windows!Microsoft.Windows.Server.Computer
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.Server.WebService.Computer.IIS	Windows!Microsoft.Windows.Server.Computer
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.Server.WebService.Computer.Apache	Windows!Microsoft.Windows.Server.Computer

Finding web sites log directories:

ID	Target
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.WebService.WebSite.Apache	Windows.Server.WebService.LogdirectoryWatcher.Computer.Apache
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.WebService.WebSite.IIS	Windows.Server.WebService.LogdirectoryWatcher.Computer.IIS
Windows.Server.WebService.LogdirectoryWatcher.Discovery.Windows.WebService.WebSite.ApacheTomcat	Windows.Server.WebService.LogdirectoryWatcher.Computer.ApacheTomcat

Monitors

Monitors are for finding out which Health State an object has. – An object can be either Healthy (green), in Warning (yellow) or Critical (red).

Unit Monitors:

ID	Target
Windows.Server.Webservice.LogdirectoryWatcher.Monitor.LogDirectorySize.ApacheTomcat	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheTomcat
Windows.Server.Webservice.LogdirectoryWatcher.Monitor.LogDirectorySize.IIS	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.IIS
Windows.Server.Webservice.LogdirectoryWatcher.Monitor.LogDirectorySize.Apache	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Apache

Custom monitor type

ID	Target
Windows.Server.Webservice.LogdirectoryWatcher.Monitor.ThreeState.Test.MonitorType	Windows.Server.Webservice.LogdirectoryWatcher.Monitor.ThreeState.Test.PropertyBag.Filtered

Rules

Performance Collection Rules are used to log the log directory size. They need to be enabled via Override and store the current size (in MB) hourly.

Performance Collection Rules::

ID	Target
Windows.Server.Webservice.LogdirectoryWatcher.Rule.LogDirWatcher.LogDirSize.Apache	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.Apache
Windows.Server.Webservice.LogdirectoryWatcher.Rule.LogDirWatcher.LogDirSize.IIS	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.IIS
Windows.Server.Webservice.LogdirectoryWatcher.Rule.LogDirWatcher.LogDirSize.ApacheTomcat	Windows.Server.Webservice.LogdirectoryWatcher.WebSite.ApacheTomcat

Views

To make all discovered objects and their health state visible a state views are used.

State Views:

Showing discovered web servers plus some meta information.

Computers - Apache Tomcat - Operations Manager

File Edit View Go Tasks Tools Help

Search * Scope Find Tasks

Monitoring

- WindowsServerWebServiceLogDirectoryWatcher
 - Alerts
 - WebSites - Apache
 - WebSites - ApacheTomcat
 - WebSites - IIS
 - Information
 - Computers - Apache
 - Computers - Apache Tomcat
 - Computers - IIS
 - State
 - WebSites - Apache
 - WebSites - ApacheTomcat
 - WebSites - IIS

Show or Hide Views...
New View +

Monitoring
Authoring
Reporting
Administration
My Workspace

Computers - Apache Tomcat (33)

Look for: Find Now Clear

Computer	WindowsVersion	Description
WIN-MSAP19...	Windows Server 2012 R2 Standard	
JNMA3137...	Windows Server 2008 R2 Standard	
JNMA3435...	Windows Server 2012 R2 Standard	
JNMA3510...	Windows Server 2012 R2 Standard	
JNMA3440...	Windows Server 2012 R2 Standard	
JNMA3456...	Windows Server 2012 R2 Standard	Webtop 6.7 SP2 for Valuation - DDCP/Prod
JNMA3405...	Windows Server 2008 R2 Standard	Webtop Development-Test
JNMA3325...	Windows Server 2008 R2 Standard	Documentum Archive Service for SAP - Test
JNMA3431...	Windows Server 2012 R2 Standard	
JNMA3552...	Windows Server (R) 2008 Standard	
JNMA1772...	Microsoft Windows Server 2003	
JNMA3403...	Windows Server 2008 R2 Standard	Archive Services for SAP T.O - SIGP- prod
JNMA3204...	Microsoft Windows Server 2003	
JNMA3488...	Windows Server 2012 R2 Standard	Avaya Contact Center Software/prod
JNMA3404...	Windows Server 2008 R2 Standard	
JNMA3132...	Windows Server 2008 R2 Standard	
JNMA3299...	Windows Server 2008 R2 Standard	FileServer for eLearning Content / C-0053201

Detail View

Windows Server WebService LogDirectoryWatcher Computer Apache Tomcat properties of

Display Name	
Full Path Name	
Computer	
WindowsVersion	
Description	

Task Pane

Ready

Showing discovered website log directory plus some additional information.

The screenshot shows the 'WebSites - IS - Operations Manager' console. The main pane displays a table of discovered website log directories. The table has columns for State, ComputerName, WindowsVersion, ComputerDescription, LogDirPath, LogDirModifiedDate, LogDirScanDate, and LogDirScanMB. The left pane shows the navigation tree with 'Monitoring' selected. The bottom pane shows the 'Detail View' for a selected website log directory.

State	ComputerName	WindowsVersion	ComputerDescription	LogDirPath	LogDirModifiedDate	LogDirScanDate	LogDirScanMB
Critical	INELVMA502	Microsoft Windows Server 2008 R2 Ent...	Enterprise Vault	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 03:03:03	2018-03-13 03:03:06	5881
Critical	RAYVMA502	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:00:01	2018-03-13 08:03:15	3854
Critical	LSOUMVMA502	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 03:03:03	2018-03-13 08:03:15	5875.8
Critical	WITVMP5071	Microsoft Windows Server 2008 R2 Sta...	Printer Server	C:\inetpub\logs\LogFiles\W3SVC10	2018-03-13 02:05:01	2018-03-13 03:03:14	5187
Warning	INELVMA502	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-12 10:03:06	2018-03-13 03:03:15	4883.6
Warning	WITVMA502	Microsoft Windows Server 2008 R2 Sta...	Description: Not-Maintained	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-12 07:02:06	2018-03-13 04:03:26	4397.6
Warning	LSOUMVMA502	Microsoft Windows Server 2012 R2 Sta...	SAP Web Based Services-Prod	C:\inetpub\logs\LogFiles\W3SVC1	2017-12-22 09:12:23	2018-03-13 03:03:22	4141.5
Warning	ISOUMVMA502	Microsoft Windows Server 2012 R2 Sta...	Fuji Xerox scan Server for P2P solution/PROD	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 08:03:01	2018-03-13 11:03:29	3805.5
Warning	BOUMVMA502	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 12:03:03	2018-03-13 13:03:54	3767.4
Warning	BOUMVMA502	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:03:03	2018-03-13 11:03:21	3258.9
Warning	RAYVMA502	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 07:03:03	2018-03-13 08:03:50	2848.4
Warning	LSOUMVMA502	Microsoft Windows Server 2008 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 03:03:06	2018-03-13 04:03:06	2826.4
Healthy	LSOUMVMA502	Microsoft Windows Server 2012 R2 Sta...	New Citrix Secure Gateway 3.3	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 12:03:03	2018-03-13 04:03:32	2481.5
Healthy	LSOUMVMA502	Microsoft Windows Server 2012 R2 Sta...		C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 03:03:03	2018-03-13 05:03:07	2475.5
Healthy	WITVMP5071	Microsoft Windows Server 2008 R2 Sta...	Printer server	C:\inetpub\logs\LogFiles\W3SVC9	2018-03-13 02:03:03	2018-03-13 03:03:14	2214
Healthy	ISOUMVMA502	Microsoft Windows Server 2008 R2 Ent...	Description: Not-Maintained	C:\inetpub\logs\LogFiles\W3SVC1	2018-03-13 08:03:03	2018-03-13 10:03:10	2762.3

Detail View: Windows Server WebService LogDirectoryWatcher Website IS properties of ISWebsite Default Web Site On C:\inetpub\wwwroot\ISWebsite Default Web Site On

Display Name: ISWebsite Default Web Site On

Full Path Name: C:\inetpub\wwwroot\ISWebsite Default Web Site On

ComputerName: INELVMA502

WindowsVersion: Microsoft Windows Server 2008 R2 Standard

ComputerDescription: CAS2

TimeZone: W. Europe Standard Time

LogDirPath: C:\inetpub\logs\LogFiles\W3SVC1

LogDirCreatedDate: 2013-08-23 02:08:51

LogDirLastModifiedDate: 2018-03-13 03:03:06

LogDirScanDate: 2018-03-13 03:03:05

LogDirScanMB: 11457.8

LogDirScanMB: 18

StartTime: 1

EndTime: 1

ScriptPath: %SystemDrive%\inetpub\wwwroot

Key: 1

Showing website log directories that are managed scheduled task, created by the recovery task.

The screenshot shows the 'Computers - Managed By Task (36)' console. The main pane displays a table of website log directories managed by scheduled tasks. The table has columns for Computer, WindowsVersion, Description, Task Name, Task Type, and Script Path. The left pane shows the navigation tree with 'Monitoring' selected. The bottom pane shows the 'Detail View' for a selected website log directory.

Computer	WindowsVersion	Description	Task Name	Task Type	Script Path
INELVMA502	Windows Server 2008 R2 Standard	Mobile Device Management - Afaria // C-003192	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_DEL...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2012 R2 Standard	Fuji Xerox scan Server for P2P solution/PROD	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2008 R2 Enterprise		Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2008 R2 Standard	Enterprise Vault	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2012 R2 Standard		Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2008 R2 Standard	2nd new IF server // C-003199	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2012 R2 Standard	Q1.6 SCM 2012 DP ---Production	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2008 R2 Enterprise	Enterprise Vault	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_CN...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2012 R2 Standard	BRONW SCCM DP /prod	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_BR...	Deletion	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2012 R2 Standard	ATSAA SCCM DP-Prod	Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_AT...	Deletion	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2008 R2 Standard	Productive - Internet CMS-Test	Auto-Log-Dir-Cleaner_Compress-Delete_for_D-Server-Apache24-logs_on_D...	Compression (+ Deletion)	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2012 R2 Standard	DELIN USU // PROD	Auto-Log-Dir-Cleaner_Compress-Delete_for_D-Apache-logs_on_DELINVMA...	Compression (+ Deletion)	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2012 R2 Standard	PackLab/Prod	Auto-Log-Dir-Cleaner_Compress-Delete_for_C-vampg-apache-logs_on_DEL...	Compression (+ Deletion)	C:\ScheduledTasks\Aut...
INELVMA502	Windows Server 2012 R2 Standard	AMS(AssessmentManagementSystem)-PROD	Auto-Log-Dir-Cleaner_Compress-Delete_for_C-programfiles(x86)-websever...	Compression (+ Deletion)	C:\ScheduledTasks\Aut...
LSOUMVMA502	Windows Server 2008 R2 Standard	Enterprise server	Auto-Log-Dir-Cleaner_Compress-Delete_for_C-inetpub-logs-LogFiles-W3SV...	Compression (+ Deletion)	C:\ScheduledTasks\Aut...

Detail View: Windows Server WebService LogDirectoryWatcher Computer ManagedByTask properties of BRONWMA5143.sig.dcm

Display Name: BRONWMA5143.sig.dcm

Full Path Name: C:\inetpub\wwwroot\BRONWMA5143.sig.dcm

Computer: INELVMA502

WindowsVersion: Windows Server 2012 R2 Standard

Description: BRONW SCCM DP /prod

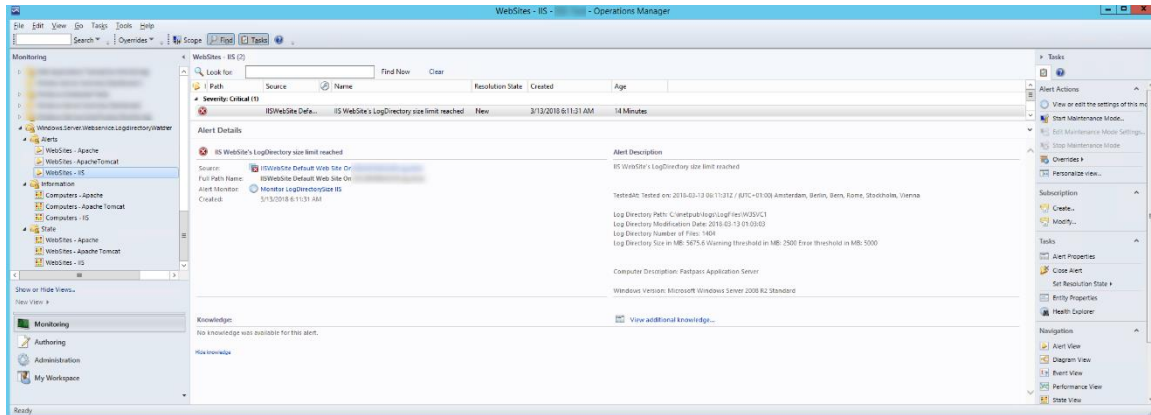
Task Name: Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_B...

Task Type: Deletion

Script Path: C:\ScheduledTasks\Auto-Log-Dir-Cleaner_Delete_for_C-inetpub-logs-LogFiles-W3SVC1_on_BR...

Alert Views:

Alerts of website log directories' which size exceeds the thresholds.



Recoveries

The recovery tasks help to control the log file folder growth. They are disabled by default. By overriding the value, you explicitly agree that modifications on the web-server happen, that old logs are being deleted.

The task itself runs a PowerShell script which creates a Scheduled Task on the web server. The Scheduled Task runs daily and calls another PowerShell script which deletes log files.

The folder for the Scheduled Task – PowerShell script and the days that the logs should be retained can be customized.

Note! For Apache's the web-server services is stopped during deletion and afterwards started again. – It usually happens quickly.

Please note that folder names with blanks / spaces are not supported.

Two recovery jobs are available.

1. Create Scheduled-Task for <WebServer> Log Deletion

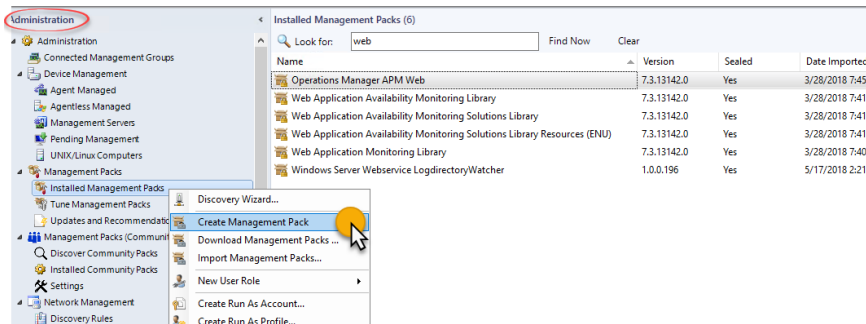
- The PowerShell script which is triggered by the local Task Scheduler deletes logs older than predefined (customizable) value.

2. Create Scheduled-Task for <WebServer> Log Compression (+ Deletion)

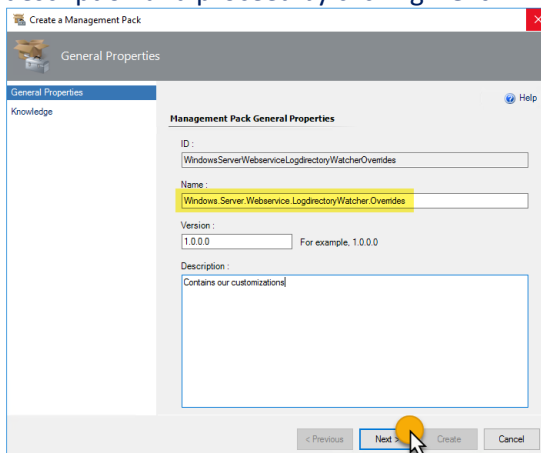
- The PowerShell script which is launched by the local Task Scheduler compresses logs older than a value and deletes the compressed logs older than another value. – Both values are predefined and can be changed.

Create an empty Management Pack to store the customizations.

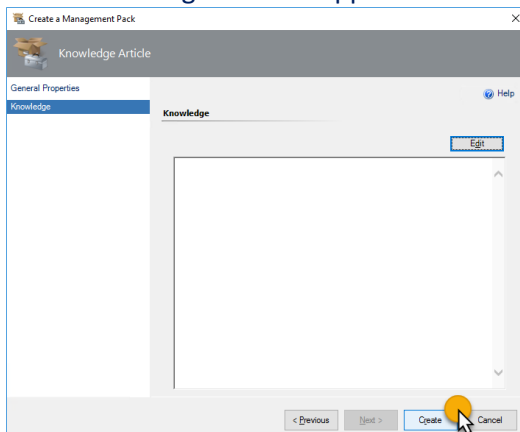
- Switch to the **Administration** pane, select **Installed Management Packs** and click on **Create Management Pack**.



- Name the Management Pack with the suggested name: *Windows.Server.Webservice.LogdirectoryWatcher.Overrides*, add optionally a description and proceed by clicking **Next**.

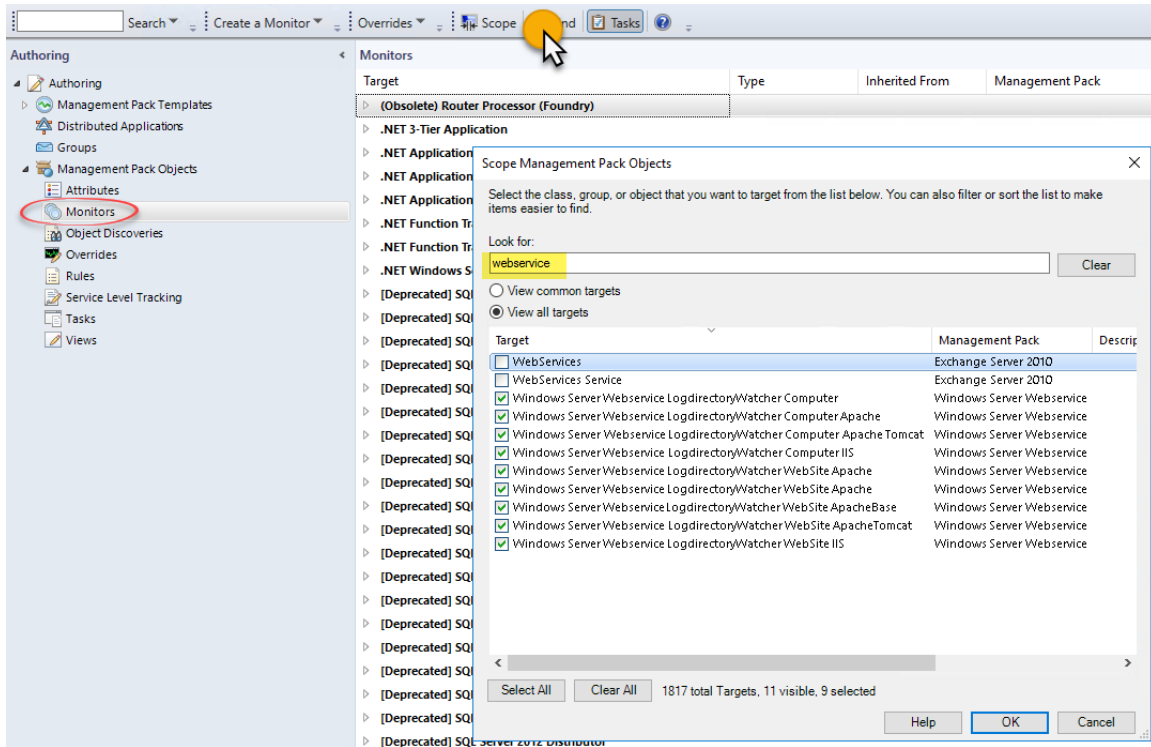


- Add a knowledge article if applicable and finalize the wizard with **Create**.



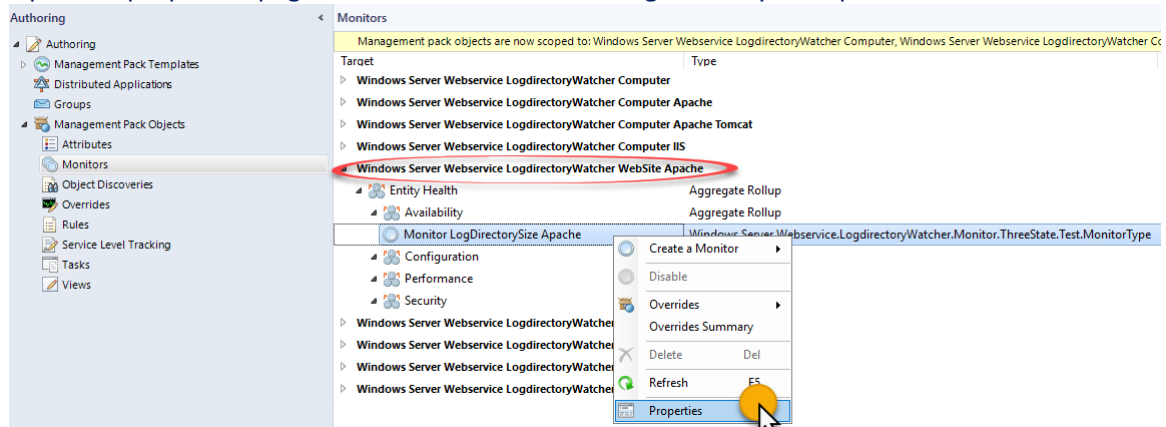
Enable the recovery tasks by overriding

Open the **Authoring** pane, select **Monitors** and scope the search for 'webservice' by having all targets enabled

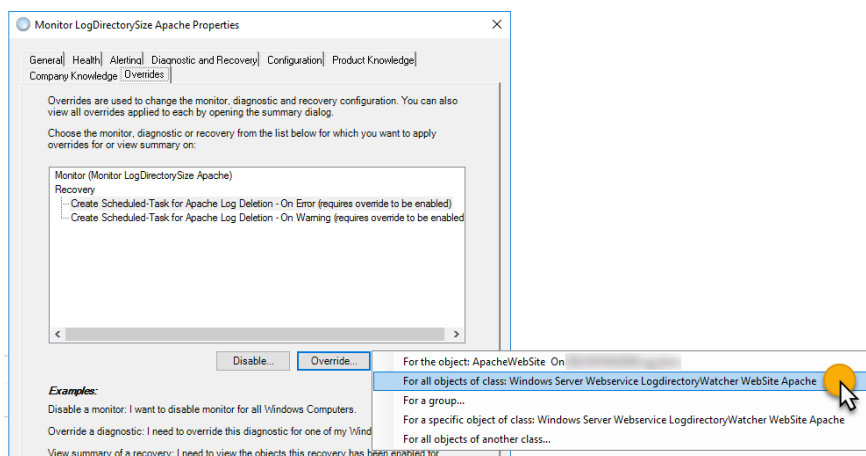


Example 1 – Enabling it for all Apache Webservers

Open the properties page of the Monitor 'Monitor LogDirectorySize Apache'



Select the **Overrides** tab, select the first recovery task, click on **Override ...** and choose the class **For all objects of class: Windows Server Webservice LogdirectoryWatcher WebSite Apache**



In the Override Properties window, check the parameter **Enabled** and choose as Override Value **True**. If liked, add a Description and store the changes in the newly created Management Pack

Windows.Server.Webservice.LogdirectoryWatcher.Overrides.

Override Properties

Recovery name:

Create Scheduled-Task for Apache Log Deletion - On Error (requires override to be enabled)

Category:

Custom

Overrides target:

Class: Windows Server Webservice Logdirectory/Watcher WebSite Apache

Override-controlled parameters:

	Override	Parameter Name	Parameter Type	Default Value	Override Value	Effective Value	Change Status	Enforced
	<input type="checkbox"/>	DaysToKeepLogs	Integer	7	7	7	[No change]	<input type="checkbox"/>
▶	<input checked="" type="checkbox"/>	Enabled	Boolean	False	True	False	[Added]	<input type="checkbox"/>
	<input type="checkbox"/>	ScheduledTaskFolder	String	"C:\ScheduledTasks"	"C:\ScheduledTasks"	"C:\ScheduledTasks"	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	TimeoutSeconds	Integer	300	300	300	[No change]	<input type="checkbox"/>

Details:

Enabled

Description

2018-05-17: Ruben: Enabled for all Apaches

The new custom override will be created in the 'Windows.Server.Webservice.LogdirectoryWatcher.Overrides'. Click apply to view the new effective value for this parameter.

Edit...

Management pack

Select destination management pack:

Windows.Server.Webservice.LogdirectoryWatcher.Overrides

New...

Help

OK

Apply

Cancel

Repeat the steps for the other recovery task.

The next time an Apache log directory throws an alert the task runs:

The screenshot shows the 'Health Explorer for ApacheWebSite On' interface. On the left, a tree view shows the hierarchy: 'Entity Health - ApacheWebSite On' (Object), 'Availability - ApacheWebSite On' (Object), and 'MonitorLogDirectorySize Apache - ApacheWebSite On'. The main pane displays a table of 'State Change Events (4)'.

Time	From	To	Operational State
5/17/2018 3:30 AM	✓	✗	OverErrorThreshold
5/17/2018 3:32 AM	✗	✓	UnderThreshold
5/17/2018 2:30 AM	✓	✗	OverErrorThreshold
5/17/2018 2:30 AM	○	✓	UnderThreshold

Below the table, the 'Details' section provides context and supplement information. The 'Task History' section shows a recovery task that ran successfully, with a green checkmark icon. The 'Recovery Output' section shows a message: 'The scheduled task "AutoLogDir-Cleaner_for_C-Program Files (x86)\Apache2\logs\on..." has successfully been created.'

Additional Recovery Options:

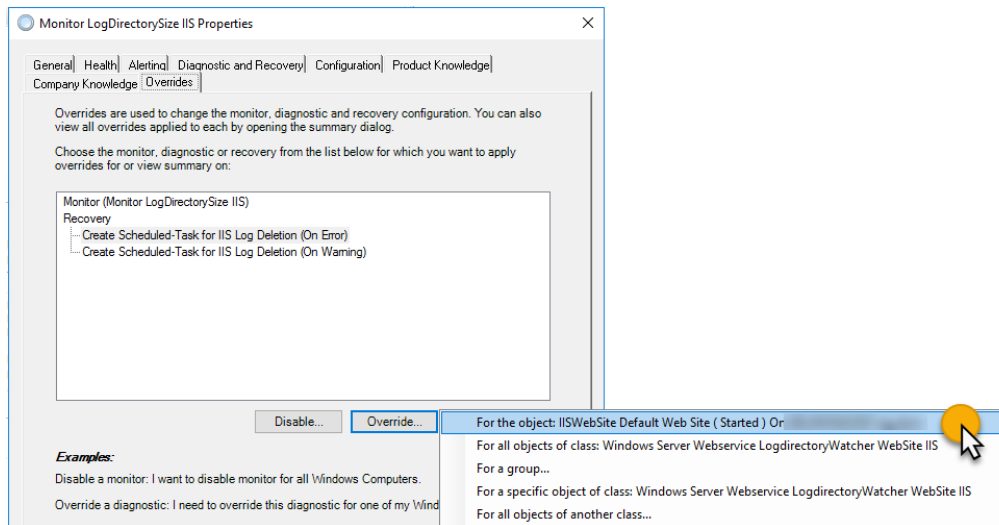
Recovery Tasks:

- Create Scheduled-Task for Apache Log Deletion - On Error (requires override to be enabled) Schedules a PowerShell script to delete Apache log files older than N days. - Default are 7 days.

Example 2 – Customizing for an individual IIS Websites Log directory

Missing screenshots from taking the individual website !

In the Monitor properties select the **Overrides** tab, select the first recovery task, click on **Override ...** and choose the individual site, here **For the object IISWebSite Default WebSite (Started) ON ...**



In the Override Properties window check the **DaysToKeepLogs** parameter and set the Override Value to **14** for example. If applicable set a description and store the configuration in the newly created management pack *Windows.Server.Webservice.LogdirectoryWatcher.Overrides*.

