



SCOM 2012 Maintenance Mode Scheduler

User Guide

SCOM 2012 Maintenance Mode Scheduler is a tool for scheduling maintenance mode for computers, groups, and objects of classes and subscriptions in SCOM 2012. This guide will go through how to schedule maintenance mode for each of the different types and presents a scenario where this would be useful.

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Computers Maintenance Mode

In this scenario a SQL Admin will be performing maintenance on a few SQL servers at 2:00am on Sunday. During maintenance, services might be stopped or the servers may be rebooted. The admin opens Maintenance Mode Scheduler and schedules a maintenance window for this time frame so that alerts for the SQL servers don't get sent to himself or other IT support staff.

- 1.) Open the **Maintenance Mode Scheduler Website** in **Internet Explorer**. <http://yourMSserver/MMWeb>
- 2.) Pick one or more **Computers** to **Schedule for Maintenance Mode**.
- 3.) Under **Start Time**; Pick the **time** and **date** for Maintenance Mode on the computer to Start.
- 4.) Under **End Time**; Pick the **time** and **date** for Maintenance Mode on the computer to finish.
- 5.) Under **Frequency** choose how often Maintenance Mode should run.
 - a. **Once** – Run just once.
 - b. **Daily** – Run **every day** at the Start Time selected.
 - c. **Weekly** – Run **every week** on the day/time selected for Start Time.
- 6.) Under **Category** choose the category (Planned or Unplanned) to specify the maintenance mode.
- 7.) Under **Comment**: Type in an Optional Comment.

Computers: xDB01.scom2k12.com xDB02.scom2k12.com xDB03.scom2k12.com xDB04.scom2k12.com

Start Time: 10/19/2014 02:00 AM

End Time: 10/19/2014 03:00 AM

Frequency: Once

Category: Other (Planned)

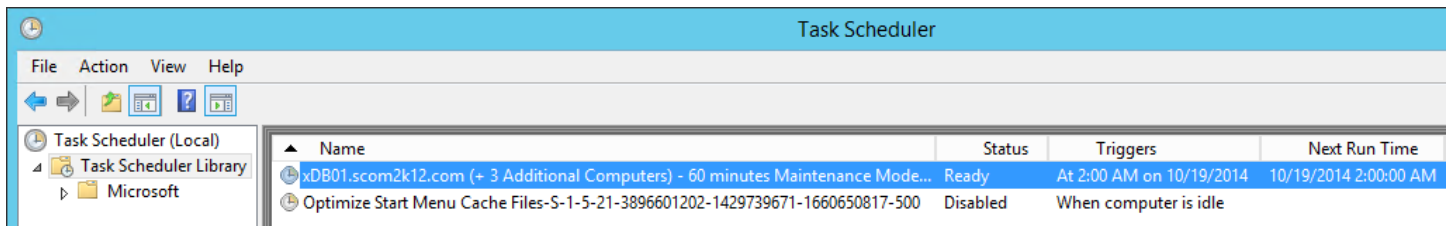
Comment: SQL Maintenance

Cancel Schedule

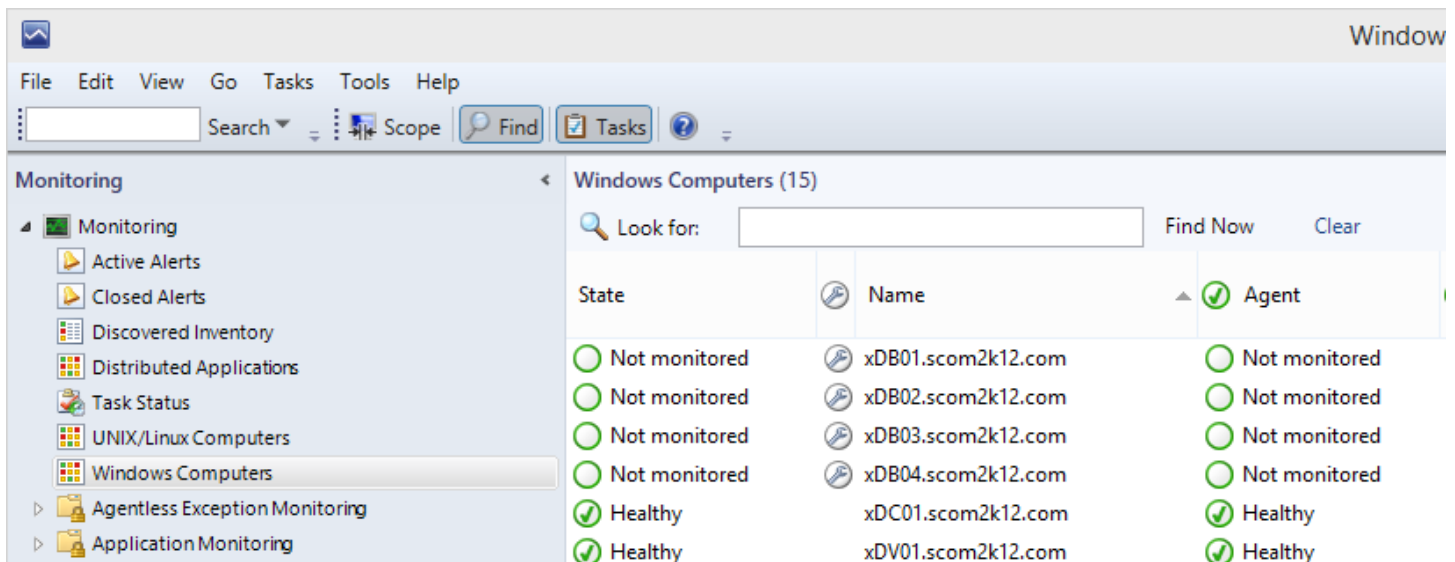
xDB01.scom2k12.com (+ 3 Additional Computers) - 60 minutes Maintenance Mode - SQL Maintenance

Scheduled Successfully

- 8.) Verify the job has been created on the SCOM server by going to Task Scheduler
- 9.) Test by right clicking on the job and selecting **Run**.



- 10.) Look in the console and verify that the servers have went into maintenance mode



- 11.) Right click on the servers click Maintenance Mode and Select Stop Maintenance mode.
- 12.) Scheduled Maintenance Mode will now run at the specified time on the correct server.

Using Integrated Console Dashboard

It is also possible to schedule computers for maintenance mode. Multi select the computers you want to schedule using the integrated Dashboard. (Instructions on how to install the Dashboard MPs are in the Installation guide)

Schedule Maintenance Mode - SCOM2K12R2 - Operations Manager

File Edit View Go Tasks Tools Help

Search Scope Find Tasks

Monitoring

- Monitoring
 - Active Alerts
 - Closed Alerts
 - Discovered Inventory
 - Distributed Applications
 - Task Status
 - UNIX/Linux Computers
 - Windows Computers
- Agentless Exception Monitoring
- Application Monitoring
- Data Warehouse
- Microsoft Audit Collection Services
- Microsoft SQL Server
- Microsoft Windows Client
- Microsoft Windows Internet Information Services
- Microsoft Windows Server
- Network Monitoring
- Operations Manager
- OpsMgr 2012 Self Maintenance
- ProcessFiles
- SCOM Maintenance Mode Scheduler
 - Auto Deleted Job Events
 - Maintenance Mode Scheduler Dashboard
 - Maintenance Mode Scheduler State
 - New Job Events
 - Schedule Maintenance Mode
- SCOM2K12 - Azure Customizations
- SQL C Drive
- Synthetic Transaction
- System Center Advisor
- UNIX/Linux Computers
- Web Application Transaction Monitoring
- Windows Azure

Schedule Maintenance Mode

Windows Computers (4)

Health	Icon	Maintenance Mode	Display Name	NetBIOS Computer Name
Warning	Warning Icon		xDB01.scom2k12.com	xDB01
Success	Success Icon		xDB02.scom2k12.com	xDB02
Success	Success Icon		xDB03.scom2k12.com	xDB03
Success	Success Icon		xDB04.scom2k12.com	xDB04

Schedule Maintenance Mode

SCOM 2012 Maintenance Mode Scheduler

Computers: xDB01.scom2k12.com xDB02.scom2k12.com xDB03.scom2k12.com xDB04.scom2k12.com

Start Time: 10/19/2014 02:00 AM

End Time: 10/19/2014 03:00 AM

Frequency: Once

Category: Other (Planned)

Comment:

Cancel Schedule

Ready

Group Maintenance Mode

In this example, a Network Admin needs to perform maintenance on a network segment of Exchange Servers. The Maintenance will be performed on Sunday at 2:00am and the network will be down. To do this, open the Maintenance Mode Scheduler and schedule a maintenance window for the Exchange Servers Group. With the maintenance window scheduled, alerts won't be sent to the Exchange Admin or other IT support staff.

- 1.) Open the **Maintenance Mode Scheduler Website** in **Internet Explorer**.
<http://yourMSserver/MMWeb/Group.aspx>
- 2.) Pick the **Group** to **Schedule for Maintenance Mode**.
- 3.) Under **Start Time**; Pick the **time** and **date** for Maintenance Mode on the group to Start.
- 4.) Under **End Time**; Pick the **time** and **date** for Maintenance Mode on the group to finish.
- 5.) Under **Frequency** choose how often Maintenance Mode should run.
 - a. **Once** – Run just once.
 - b. **Daily** – Run **every day** at the Start Time selected.
 - c. **Weekly** – Run **every week** on the day/time selected for Start Time.
- 6.) Under **Category** choose the category (Planned or Unplanned) to specify the maintenance mode.
- 7.) Under **Comment**: Type in an Optional Comment.

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Computer Group Class Subscription Manage One Click MM

Group: Microsoft Exchange 2010 All Entities Group

Start Time: 10/19/2014 02:00 AM

End Time: 10/19/2014 05:00 AM

Frequency: Once

Category: Other (Planned)

Comment: Network Outage

Cancel Schedule

Microsoft Exchange 2010 All Entities Group - 180 minutes
Maintenance Mode - Network Outage

Scheduled Successfully

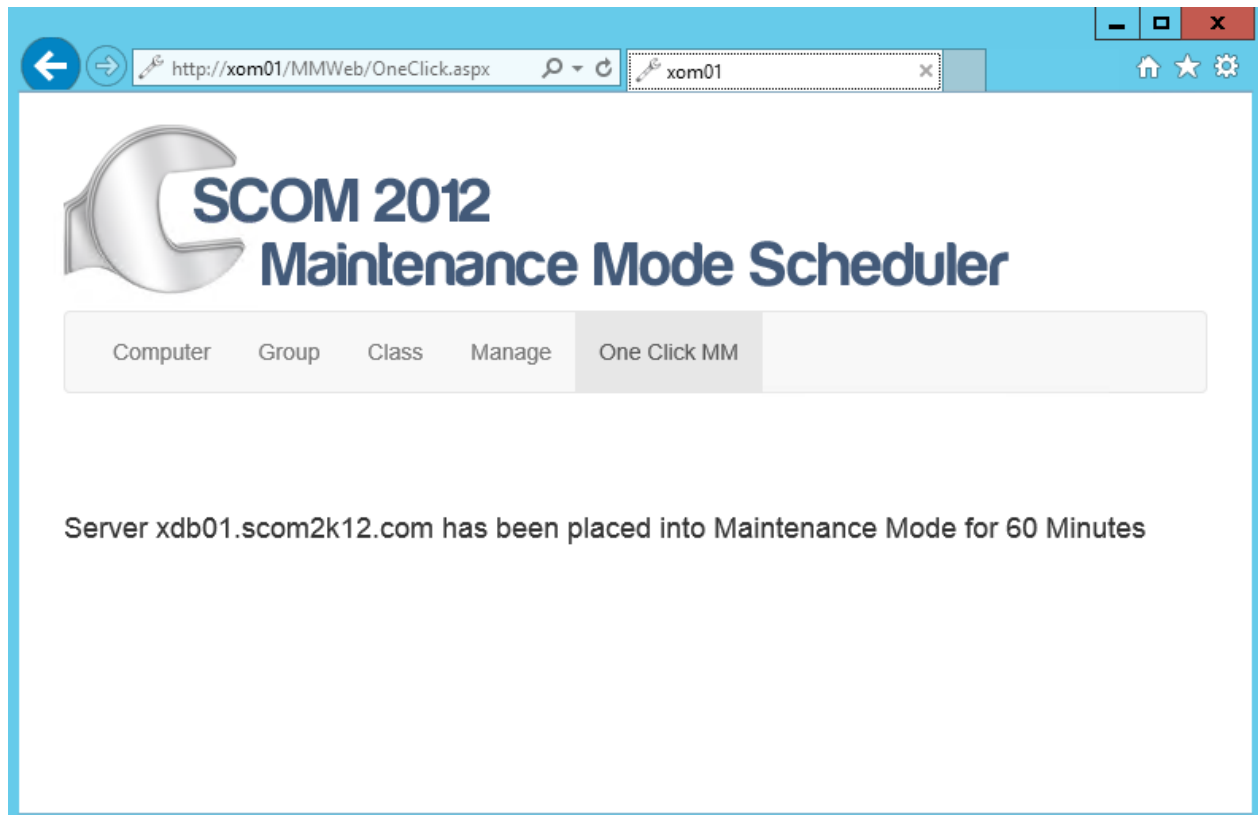
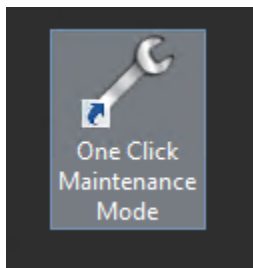
One Click Maintenance Mode

This situation makes it easy for IT staff to put a server into maintenance mode without having to go to the SCOM console. On any server the server administrator can visit the SCOM 2012 Maintenance Mode Scheduler One Click website at <http://yourMSserver/MMWeb/OneClick.aspx>

Creating a shortcut on the desktop of the servers to make it even easier.

Options for this are:

- Manually create the shortcut.
 - Use System Center Configuration Manager, AD Group Policy or some other software deployment tool to deploy the shortcut out to all servers.
- 1.) Open the **One Click Maintenance Mode Scheduler Website** from the server to put into maintenance mode in Internet **Explorer**. <http://yourserver/MMWeb/OneClick.aspx>
 - 2.) The server is automatically put into maintenance mode for 60 minutes.

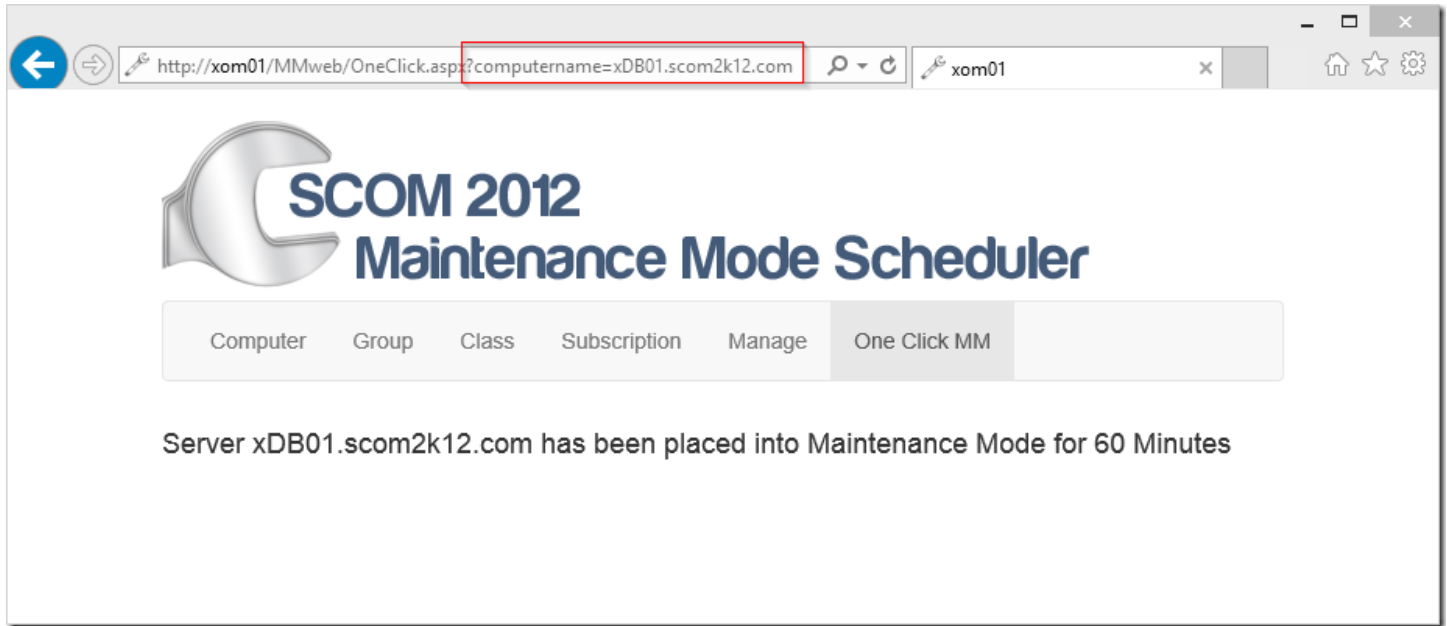


Some environments have issues pulling the server name from the client side. In V4 we added the ability to specify a parameter in the URL of the One Click Web page.

To do this open up the One Click URL with the parameter and specify a parameter ?computername=

<http://yourMMServer/MMweb/OneClick.aspx?computername=yourComputer.yourdomain.com>

Below is an example of putting my database server xDB01.scom2k12.com into MM



Class Maintenance Mode

In this setting a Unix/Linux Admin is performing maintenance on a Linux server on Saturday at 4:00AM. During the outage the server will be rebooted and the admin does not want to alert the NOC or the on-call engineer.

- 1.) Open the **Maintenance Mode Scheduler Website** in **Internet Explorer**.
<http://yourMSserver/MMWeb/Class.aspx>
- 2.) Pick the **Class for the type of object**. Pick **Microsoft.Linux.Computer**
- 3.) Under **Object**: Pick the **Linux Computer to Schedule for Maintenance Mode**.
- 4.) Under **Start Time**; Pick the **time** and **date** for Maintenance Mode on the Linux computer to Start.
- 5.) Under **End Time**; Pick the **time** and **date** for Maintenance Mode on the Linux computer to finish.
- 6.) Under **Frequency** choose how often Maintenance Mode should run.
 - a. **Once** – Run just once.
 - b. **Daily** – Run **every day** at the Start Time selected.
 - c. **Weekly** – Run **every week** on the day/time selected for Start Time.
- 7.) Under **Category** choose the category (Planned or Unplanned) to specify the maintenance mode.
- 8.) Under **Comment**: Type in an Optional Comment.

SCOM 2012
Maintenance Mode Scheduler

Computer Group **Class** Manage One Click MM

Class: Microsoft.Linux.Computer

Object: Microsoft.Unix.Computer:lx01.scom2k12.com

Start Time: 03/30/2014 10:06 AM

End Time: 03/30/2014 10:36 AM

Frequency: Once

Category: Other (Planned)

Comment: Linux Application Upgrade

Cancel Schedule

Microsoft.Unix.Computer:lx01.scom2k12.com - 30 minutes
Maintenance Mode - Linux Application Upgrade

Scheduled Successfully

Subscription Maintenance Mode

In this scenario full backups are performed every night that create a flood of alerts for the Windows Team Pager. The team would like to not get alerted during this time. They have a complex subscription with individual monitors and rules for their alerts. Creating and maintaining individual groups for maintenance mode is too complex. They would like to just put the subscription into Maintenance Mode so they don't get alerted in the middle of the night.

****Note:** The individual objects will still change state and create alerts that will not be sent to the subscription during the maintenance window. You can choose to send the alerts after the maintenance window or to discard the alerts using the Queue Alerts option.

- 1.) Open the **Maintenance Mode Scheduler Website** in **Internet Explorer**.
<http://xom01/MMweb/Subscription.aspx>
- 2.) Pick the **Subscription to Schedule for Maintenance Mode**.
- 3.) Under **Start Time**; Pick the **time** and **date** for Maintenance Mode on the subscription to Start.
- 4.) Under **End Time**; Pick the **time** and **date** for Maintenance Mode on the subscription to finish.
- 5.) Under **Frequency** choose how often Maintenance Mode should run.
 - a. **Once** – Run just once.
 - b. **Daily** – Run **every day** at the Start Time selected.
 - c. **Weekly** – Run **every week** on the day/time selected for Start Time.
- 6.) Under **Queue Alerts** choose whether or not to send the alerts queued up during the maintenance window
 - a. **No** – Do not send alerts that happened during the maintenance window
 - b. **Yes** – Save alerts that happened during the maintenance window and send them when the window is over with
- 7.) Under **Comment**: Type in an Optional Comment.
- 8.) You may notice that when creating a subscription maintenance window it creates two jobs. This is normal as it creates a job to start the subscription maintenance windows and one to stop the subscription maintenance window.



http://xom01/MMweb/Subscription.aspx



xom01



SCOM 2012

Maintenance Mode Scheduler

Computer

Group

Class

Subscription

Manage

One Click MM

Subscription:

Windows Server Admins



Start Time:

06/21/2014 02:00 AM

End Time:

06/21/2014 03:00 AM

Frequency:

Daily



Queue Alerts:

No



Comment:

Silence alerts during full backups

Cancel

Schedule

Windows Server Admins Subscription - 60 minutes Maintenance Mode - Silence alerts during full backups - Begin

Windows Server Admins Subscription - 60 minutes Maintenance Mode - Silence alerts during full backups - End

Scheduled Successfully

Manage Maintenance Mode Jobs

In this example an Admin has created a maintenance mode job that they no longer want to run. The job they want to delete is a re-occurring Sunday 3AM Maintenance Mode on all of their servers.

- 1.) Open the **Maintenance Mode Scheduler Website** in **Internet Explorer**.
<http://yourMSserver/MMWeb/Manage.aspx>
- 2.) Pick the **Manage to Manage Maintenance Mode Jobs**
- 3.) Under **Jobs**; Pick the **job** "All Windows Computers – 60 minutes Maintenance Mode – Sunday 3AM Updates"
- 4.) Click the Delete Button
- 5.) For **Subscriptions** delete both the Begin and End jobs.

Jobs:

- xDC01.scom2k12.com - 30 minutes Maintenance Mode - MM Mode Scheduler
- xDB01.scom2k12.com - 60 minutes Maintenance Mode - SQL Maintenance
- Microsoft.Unix.Computerlx01.scom2k12.com - 30 minutes Maintenance Mode - Linux Application Up
- Microsoft.Exchange.2010.All.Entities.Group - 180 minutes Maintenance Mode - Network Outage
- All Windows Computers - 60 minutes Maintenance Mode - Sunday 3AM Updates**

Program File: C:\Program Files\SCOM 2012 Maintenance Mode Scheduler\mm2012.exe

Command Line: XOM01 "All Windows Computers" 60 "Sunday 3AM Updates" PlannedOther Microsoft.Windows.Com

Comments: Sunday 3AM Updates

Last Runtime: Never

Next Runtime: 4/6/2014 3:00:00 AM

Schedule: At 3:00 AM every Sun of every week, starting 4/6/2014

Cancel Delete