

Manual Installation of the Operations Manager Agent on Workgroup Servers

For deployment of the Operations Manager agent to workgroup systems, the agent will usually need to be installed and updated manually. For systems that are accessible or configurable via a deployment application, such as SCCM, the process can be handled via that application, otherwise manual intervention is necessary.

The following steps should be utilized to deploy the SCOM agent.

- 1) Copy all necessary agent and update files to the target system. The required files to install the Operations Manager agent can be found in the following folder on any Management Server:

C:\Program Files\Microsoft System Center 2016\Operations Manager\Server\AgentManagement\amd64

- 2) Once this has been completed, the following commands should be run to install the unpatched agent.

```
msiexec.exe /i c:\flats\MOMAgent.msi /qn USE_SETTINGS_FROM_AD=0 MANAGEMENT_GROUP=<MGNAME>  
MANAGEMENT_SERVER_DNS=<MSNAME> ACTIONS_USE_COMPUTER_ACCOUNT= 1  
USE_MANUALLY_SPECIFIED_SETTINGS=1 SET_ACTIONS_ACCOUNT=1 AcceptEndUserLicenseAgreement=1
```

- 3) The following command should then be used to update the agent with the current update rollup.

```
Msiexec.exe /I c:\flats\KBXXXXXX-AMD64-Agent.msi /qn
```

(**Note:** replace the X's with the KB article number that reflects the latest Update Rollup in the Management Group.)

Update Rollup packages for Operations Manager are described here:

SCOM 2012: <https://support.microsoft.com/en-us/kb/2906925>

SCOM 2016: <https://support.microsoft.com/en-us/help/4018201/update-rollup-packages-for-system-center-2016-operations-manager>

SCOM 2019: <https://support.microsoft.com/en-us/help/4540920/update-rollup-packages-for-system-center-2019-operations-manager>

- 4) The agent will require a certificate to establish secure communications with the Management Server. This certificate should already be installed on the workgroup system. To register this certificate with the Operations Manager agent, perform the following steps.
 - a. The following script from the Technet Gallery can be used to verify that one or more certificates on the workgroup system meet all the requirements for the Microsoft Monitoring Agent. Verify that the installed certificate passes all checks before proceeding.
<https://gallery.technet.microsoft.com/scriptcenter/Troubleshooting-OpsMgr-27be19d3>
 - b. The Operations Manager install media has a folder named "Support Tools". Copy the folder from the media to the workgroup server.
 - c. Open an elevated command prompt, navigate to the copied "SupportTools\AMD64" folder and run the **MOMCertImport.exe** command.
 - d. A dialog box will appear with all the certificates installed on the local machine store that meet the requirements for the SCOM agent. Select the proper certificate and click "ok".
 - e. Restart the *Microsoft Monitoring Agent* service on the workgroup server.