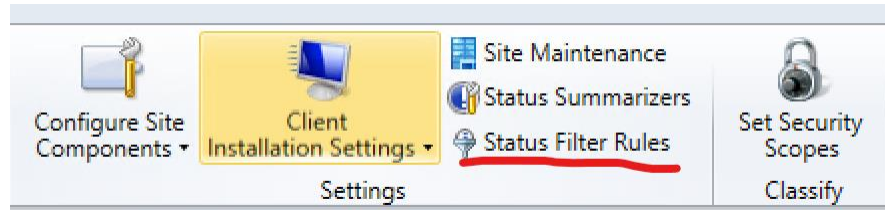


# Remove-SupersededExpiredUpdates.ps1

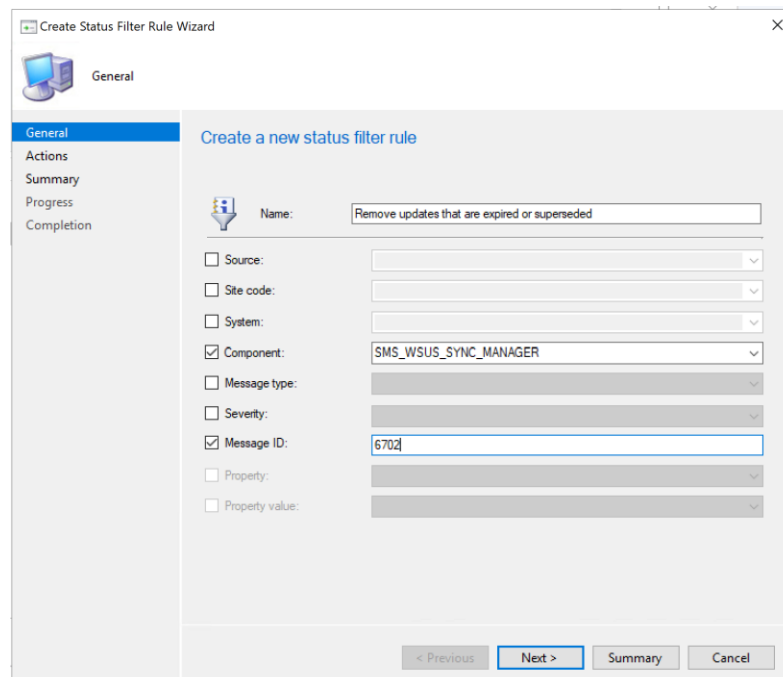
Author: James Orlando

Contact: [James.Orlando@Microsoft.com](mailto:James.Orlando@Microsoft.com)

1. Copy Remove-SupersededExpiredUpdates.ps1 (rename from .txt if needed) to a location where your primary site server will be able to access it
  - a. In my demo I placed it: E:\Status Message Scripts of my primary site server
2. In the SCCM Console Administration Page, select Status Filter Rules



- a.
3. Choose Create to open the new rule wizard
  4. Name the rule "Remove updates that are expired or superseded"
  5. For Component use the drop down to select SMS\_WSUS\_SYNC\_MANAGER
  6. For Message ID enter 6702 as this is the message id for the status message "WSUS Synchronization done."
  7. Click Next

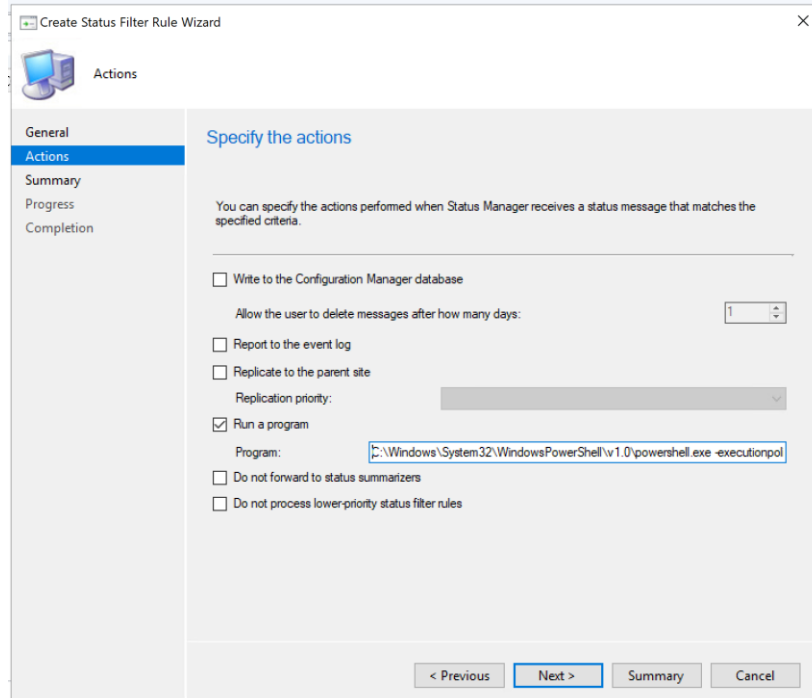
The image shows the 'Create Status Filter Rule Wizard' dialog box, General tab. The 'Name' field is filled with 'Remove updates that are expired or superseded'. The 'Component' dropdown is set to 'SMS\_WSUS\_SYNC\_MANAGER'. The 'Message ID' field is filled with '6702'. The 'Next >' button is highlighted in blue. Other fields like 'Source', 'Site code', 'System', 'Message type', 'Severity', 'Property', and 'Property value' are empty or have dropdown arrows.

- a.
8. For Actions, select Run a program
  9. Enter the syntax for your environment
    - a. **C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -executionpolicy bypass -file <Location of Remove-ExpiredSupersededUpdates.ps1> -SiteCode <Site Code> -ProviderMachineName <Primary Site FQDN> -Delay <DelayDays>**

- b. My demo lab looks like:

**C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -executionpolicy bypass -file "E:\Status Message Scripts\Remove-ExpiredSupersededUpdates.ps1" -SiteCode JPO -ProviderMachineName cm01.pfejameso.com -Delay 2**

- c. Do not put your sitecode or providermachinename in single or double quotes. You can (and will need to if there are spaces) put ps1 file location in quotes.



- d.

10. Now we can verify that it works. Go back to the Software Library page in the SCCM console and click synchronize software updates.



- a.

11. This will take a few minutes at the very least. It can run longer depending on several variables. You can monitor the wysyncmgr.log for the sync to complete.

| Configuration Manager Trace Log Tool - [E:\Program Files\Microsoft Configuration Manager\Logs\wsyncmgr.log]                      |                       |                       |               |
|--|-----------------------|-----------------------|---------------|
| File Tools Window Help   |                       |                       |               |
| Log Text   | Component             | Date/Time             | Thread        |
| Finished checking for third-party signing certificate.   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:29 P | 5636 (0x1604) |
| sync: SMS synchronizing categories   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:29 P | 5636 (0x1604) |
| sync: SMS synchronizing categories, processed 0 out of 349 items (0%)  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:29 P | 5636 (0x1604) |
| sync: SMS synchronizing categories, processed 349 out of 349 items (100%)  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:32 P | 5636 (0x1604) |
| sync: SMS synchronizing updates  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:32 P | 5636 (0x1604) |
| SyncBatchCount not set, using default 1  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:32 P | 5636 (0x1604) |
| SyncBatchMinCreationDate not set, using default 01/01/2001 00:00:00  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:32 P | 5636 (0x1604) |
| sync: SMS performing cleanup   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:15:33 P | 5636 (0x1604) |
| Done synchronizing SMS with WSUS Server sup01.pfejameso.com  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:01 P | 5636 (0x1604) |
| Set content version of update source {903C1B72-8C9D-4A71-9964-CADF525F4CAB} for site IPO to 106                                  | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:01 P | 8752 (0x2230) |
| Resetting MaxInstall RunTime for Cumulative updates.   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:01 P | 8752 (0x2230) |
| STATMSG: ID=6702 SEV=I LEV=M SOURCE="SMS Server" COMP="SMS_WSUS_SYNC_MANAGER" SYS=CM01.PFEJAMESO.COM SITE=IPO PID=3740 TID=87... | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:02 P | 8752 (0x2230) |
| Sync succeeded. Setting sync alert to canceled state on site IPO   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:02 P | 8752 (0x2230) |
| No changes made to the SMS database, content version remains 106   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:02 P | 8752 (0x2230) |
| Sync time: 0d00h02m41s   | SMS_WSUS_SYNC_MANAGER | 11/20/2019 12:16:02 P | 8752 (0x2230) |

a.

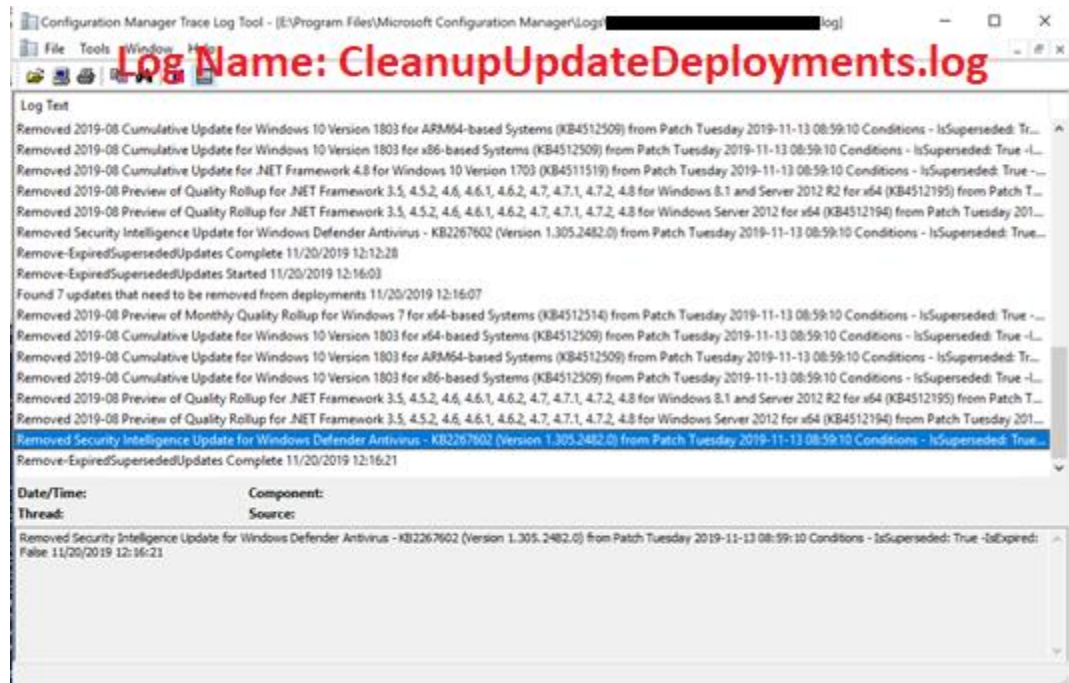
12. Once the sync is complete, this should trigger the status message of 6702 and cause the program to run. You will see something similar in the StateMgr.log:

| Configuration Manager Trace Log Tool - [E:\Program Files\Microsoft Configuration Manager\Logs\statmgr.log]  |                    |                       |               |
|---|--------------------|-----------------------|---------------|
| File Tools Window Help  |                    |                       |               |
| Log Text  | Component          | Date/Time             | Thread        |
| Sleeping until an event is signalled...   | SMS_STATUS_MANAGER | 11/20/2019 12:15:42 P | 8732 (0x221C) |
| It is now time to check the progress of the currently-executing SQL transaction.  | SMS_STATUS_MANAGER | 11/20/2019 12:15:42 P | 8732 (0x221C) |
| The currently-executing transaction completed successfully.   | SMS_STATUS_MANAGER | 11/20/2019 12:15:42 P | 8732 (0x221C) |
| Updating performance rate counters.   | SMS_STATUS_MANAGER | 11/20/2019 12:15:42 P | 8732 (0x221C) |
| Sleeping until an event is signalled...   | SMS_STATUS_MANAGER | 11/20/2019 12:15:42 P | 8732 (0x221C) |
| A change occurred to the "E:\Program Files\Microsoft Configuration Manager\inbox\statmgr.box\statmsg..."  | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| .SVF files containing status messages might be available in the "E:\Program Files\Microsoft Configuration Mana..."  | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| Processing 1 .SVF files containing status messages from "E:\Program Files\Microsoft Configuration Manager\in..."  | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| 1 new .SVF files are now available for processing.  | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| Read 1 status messages from file "E:\Program Files\Microsoft Configuration Manager\inbox\statmgr.box\stat..."   | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| Created child process 10656 for program [C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe] a...  | SMS_STATUS_MANAGER | 11/20/2019 12:16:02 P | 8732 (0x221C) |
| The process exited with exit code 0.  | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| Deleted file "E:\Program Files\Microsoft Configuration Manager\inbox\statmgr.box\statmsg\xnj0q11.SVF".  | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| Updating performance rate counters.   | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| Sleeping until an event is signalled...   | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| .SVF files containing status messages might be available in the "E:\Program Files\Microsoft Configuration Mana..."  | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| Processing 7 .SVF files containing status messages from "E:\Program Files\Microsoft Configuration Manager\in..."  | SMS_STATUS_MANAGER | 11/20/2019 12:16:21 P | 8732 (0x221C) |
| <b>Date/Time:</b> 11/20/2019 12:16:02 PM <b>Component:</b> SMS_STATUS_MANAGER<br><b>Thread:</b> 8732 (0x221C) <b>Source:</b><br>Created child process 10656 for program [C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe] and command line arguments [-executionpolicy bypass -file "E:\Status Message Scripts\Remove-ExpiredSupersededUpdates.ps1" -SiteCode IPO -ProviderMachineName cm01.pfejameso.com]. Waiting up to 60 seconds for the process to exit... |                    |                       |               |
| Elapsed time is 0h 31m 0s 715ms (1860.715 seconds)  |                    |                       |               |

a.

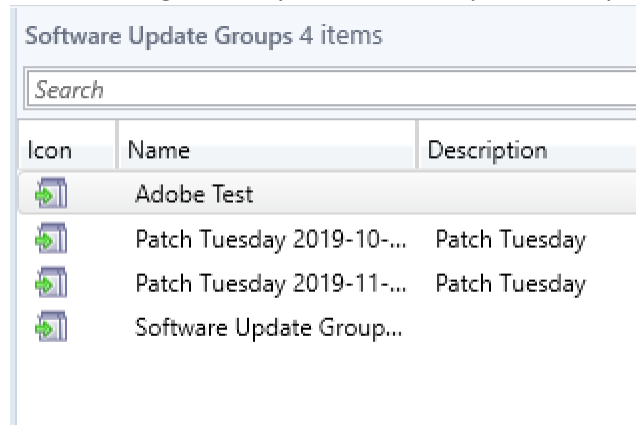
- b. In my screenshot you can see the process was created at 12:16:02 and the process completed with an exit code 0 at 12:16:21.

13. The Remove-ExpiredSupersededUpdates.ps1 script does log as well. You should see a log with the name of CleanupUpdateDeployments.log in your logs folder. This log will tell you how many expired or superseded updates were found, the name of the update and the update group(s) the update was removed from. It will also contain information about if it was removed due to being expired or superseded.



a.

14. Should now have all green for your Software Update Groups



a.