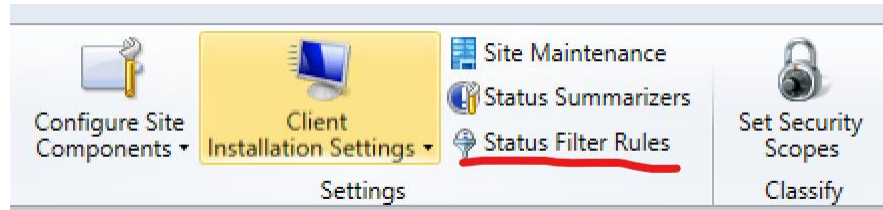


# Remove-SupersededExpiredUpdates.ps1

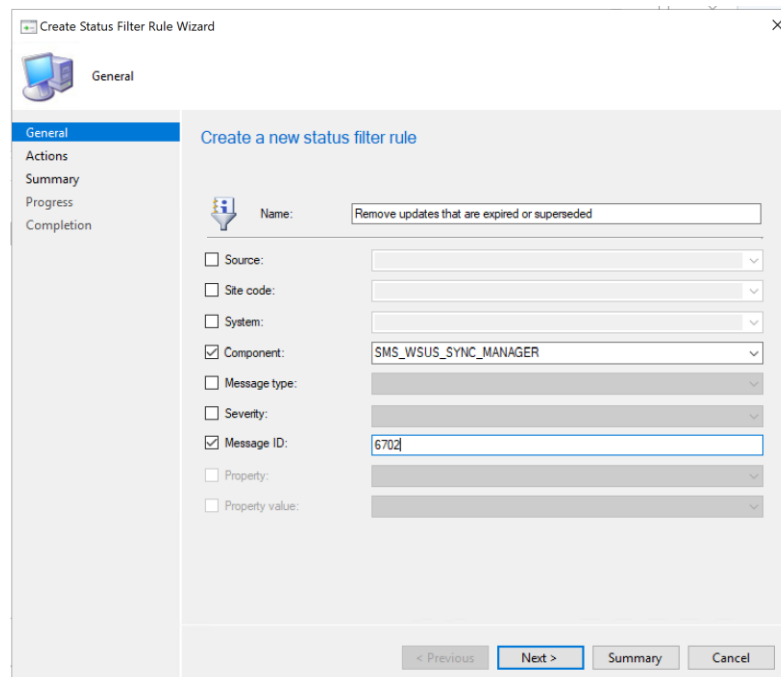
Author: James Orlando

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 Name the rule "Remove updates that are expired or superseded"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

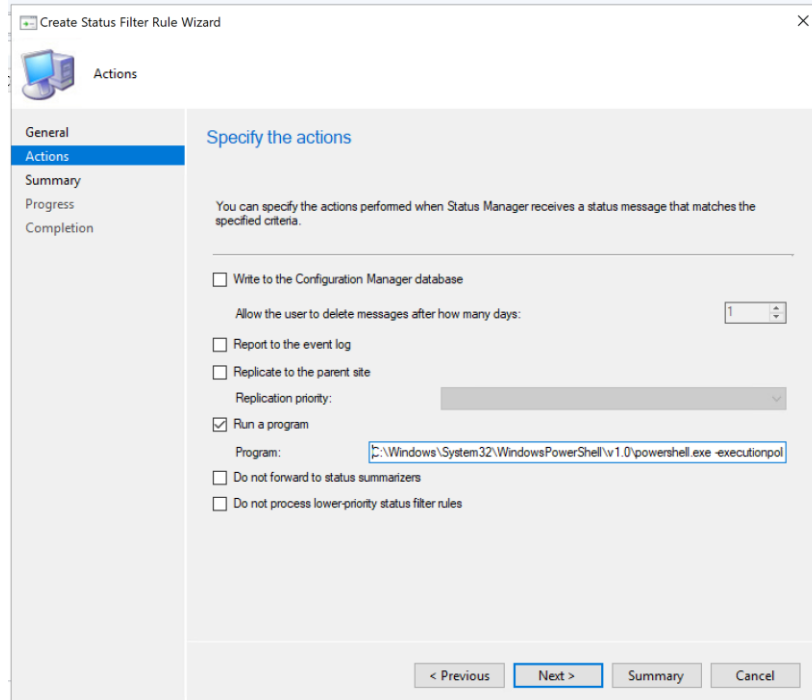


- a.
8. For Actions, select Run a program
  9. Enter the syntax for your environment
    - a. **C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -executionpolicy bypass -file <Location of Remove-ExpiredSupersededUpdates.ps1> -SiteCode <Site Code> -ProviderMachineName <Primary Site FQDN>**

- b. My demo lab looks like:

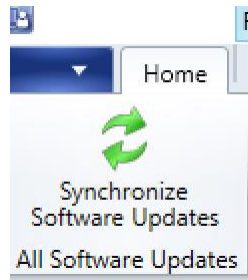
**C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -executionpolicy bypass -file "E:\Status Message Scripts\Remove-ExpiredSupersededUpdates.ps1" - SiteCode JPO -ProviderMachineName cm01.pfejameso.com**

- 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]

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]

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 Mana..."	SMS_STATUS_MANAGER	11/20/2019 12:16:21 P	8732 (0x221C)

Date/Time: 11/20/2019 12:16:02 PM Component: SMS\_STATUS\_MANAGER  
Thread: 8732 (0x221C) Source:

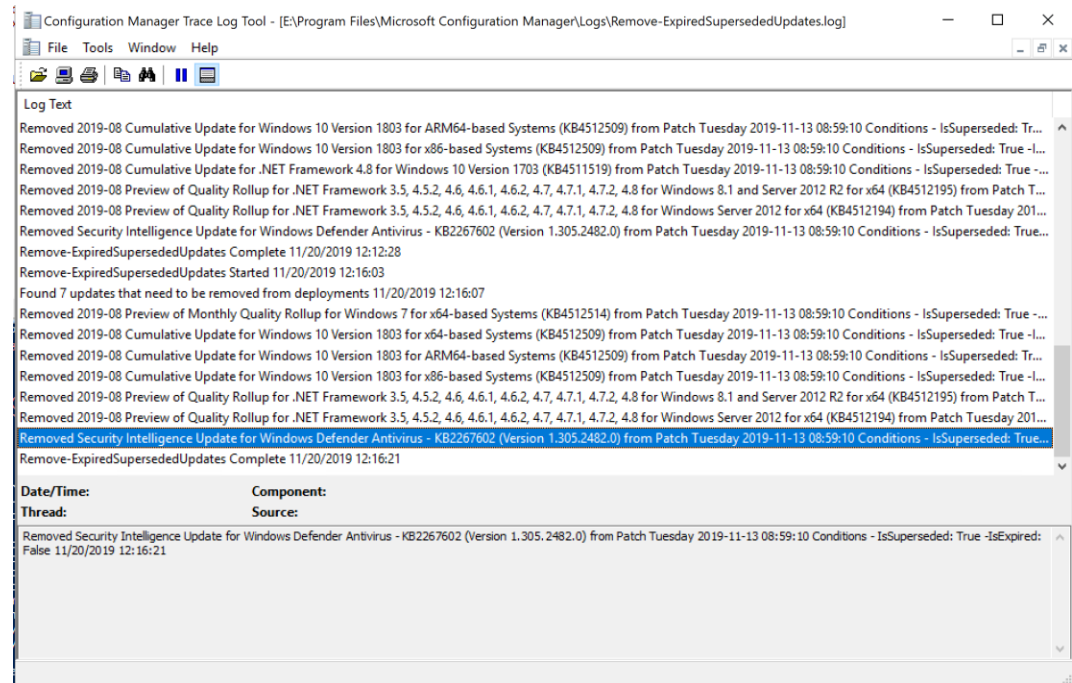
Created child process 10656 for program [C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe] and command line arguments [-executionpolicy bypass -file "E:\Status Message Scripts\Remove-ExpiredSupersededUpdates.ps1" -SiteCode IPO -ProviderMachineName cm01.pfejameso.com]. Waiting up to 60 seconds for the process to exit...

Elapsed time is 0h 31m 0s 715ms (1860.715 seconds)

a.

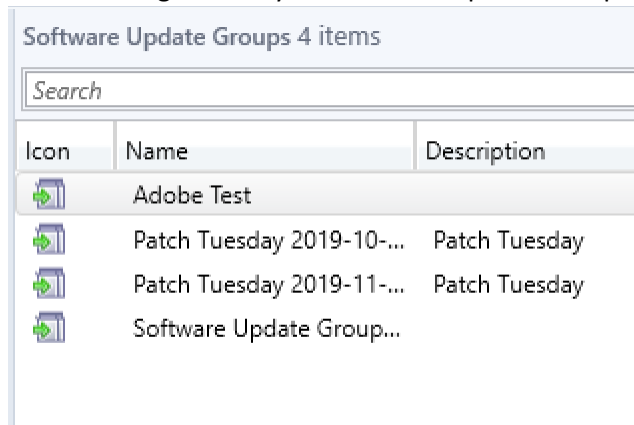
- b. In my screenshot you can see the process was created at 12:16:02 and the process completed with an exit code 0 at 12:16:21.

13. The Remove-ExpiredSupersededUpdates.ps1 script does log as well. You should see a log with the name of Remove-ExpiredSupersededUpdates.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.