



WSUS Automated Maintenance

Version 2022.07

Notice: WSUS is not using SSL. Please consider utilizing SSL for improved security. Adding SSL to WSUS is *NOT* a difficult process and can be done in 7 easy commands in PowerShell and 1 step in group policy to distribute the certificate and change the URLs to HTTPS for the WSUS Update Server locations. Please see: <https://www.ajtek.ca/wsus/how-to-setup-manage-and-maintain-wsus-part-7-ssl-setup-for-wsus-and-why-you-should-care/>. If you choose to not use SSL, you can disable this notice by editing the WAM Configuration.

Notice: Your Application Pool Memory for WsusPool is currently set to 1800 MB. This is less than the recommended minimum of 4096 MB. We recommend running from the WAM Shell:

```
Set-ApplicationPoolMemory -Name "WsusPool" -NewMemoryValue 4096
```

Notice: The SchUseStrongCrypto registry key is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-SchUseStrongCrypto -Value 1
```

Notice: The WSUS LimitInterval setting is set to 5 (recommended: 15). To fix this, open the WAM Shell and run:

```
Set-WsusIISLimitInterval -Minutes 15
```

Notice: The WSUS QueueLength setting is set to 1000 (recommended: 25000). To fix this, open the WAM Shell and run:

```
Set-WsusIISQueueLength -QueueLength 25000
```

Notice: The WSUS LoadBalancerCapabilities setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISLoadBalancerCapabilities -Level TcpLevel
```

Notice: The WSUS ExecutionTimeout setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusWebExecutionTimeout -TimeoutInSeconds 7200
```

Notice: The WSUS MaxRequestLength setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusWebMaxRequestLength -MaxRequestLength 204800
```

Notice: The WSUS MaxCachedUpdates setting is less than its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISMaxCachedUpdates -MaxCachedUpdates 30000
```

Notice: The WSUS MaxInstalledPrerequisites setting is less than its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISMaxInstalledPrerequisites -MaxInstalledPrerequisites 800
```

Notice: The WSUS IdleTimeout setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISIdleTimeout -Minutes 0
```

Notice: The WSUS RegularTimeInterval setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISRegularTimeInterval -Minutes 0
```

Notice: The WSUS PingEnabled setting is not set to its recommended value. To fix this, open the WAM Shell and run:

```
Set-WsusIISPingEnabled -Enabled $False
```

Remove Obsolete Updates:

Changed database context to 'SUSDB'.

2022-11-30 08:00:11 1/14: Deleted 1468901 (00:00:01)
2022-11-30 08:00:12 2/14: Deleted 1468098 (00:00:01)
2022-11-30 08:00:13 3/14: Deleted 1468041 (00:00:01)
2022-11-30 08:00:14 4/14: Deleted 1467937 (00:00:01)
2022-11-30 08:00:15 5/14: Deleted 1467724 (00:00:01)
2022-11-30 08:00:16 6/14: Deleted 1467600 (00:00:01)
2022-11-30 08:00:16 7/14: Deleted 1467476 (00:00:00)
2022-11-30 08:00:17 8/14: Deleted 1467352 (00:00:01)
2022-11-30 08:00:18 9/14: Deleted 1467228 (00:00:01)
2022-11-30 08:00:18 10/14: Deleted 1467103 (00:00:00)
2022-11-30 08:00:19 11/14: Deleted 1466963 (00:00:01)
2022-11-30 08:00:20 12/14: Deleted 1466833 (00:00:01)
2022-11-30 08:00:20 13/14: Deleted 1466709 (00:00:00)
2022-11-30 08:00:21 14/14: Deleted 1466583 (00:00:01)
Remove Obsolete Updates Stream Duration: 00:00:00:12

Compress Update Revisions:

Changed database context to 'SUSDB'.

2022-11-30 08:00:23 1/19226: Compressed 126884 (00:00:00)
2022-11-30 08:00:23 2/19226: Compressed 126900 (00:00:00)
2022-11-30 08:00:23 3/19226: Compressed 127016 (00:00:00)
2022-11-30 08:00:23 4/19226: Compressed 127046 (00:00:00)
2022-11-30 08:00:23 5/19226: Compressed 134715 (00:00:00)
2022-11-30 08:00:23 6/19226: Compressed 134856 (00:00:00)
2022-11-30 08:00:23 7/19226: Compressed 134867 (00:00:00)
2022-11-30 08:00:23 8/19226: Compressed 135049 (00:00:00)
2022-11-30 08:00:23 9/19226: Compressed 135406 (00:00:00)
2022-11-30 08:00:23 10/19226: Compressed 135627 (00:00:00)
2022-11-30 08:00:23 11/19226: Compressed 136235 (00:00:00)
2022-11-30 08:00:23 12/19226: Compressed 136462 (00:00:00)
2022-11-30 08:00:23 13/19226: Compressed 153297 (00:00:00)
2022-11-30 08:00:23 14/19226: Compressed 153302 (00:00:00)
2022-11-30 08:00:23 15/19226: Compressed 153327 (00:00:00)
2022-11-30 08:00:23 16/19226: Compressed 153334 (00:00:00)
2022-11-30 08:00:23 17/19226: Compressed 159626 (00:00:00)
2022-11-30 08:00:23 18/19226: Compressed 159671 (00:00:00)
2022-11-30 08:00:23 19/19226: Compressed 159674 (00:00:00)
2022-11-30 08:00:23 20/19226: Compressed 159805 (00:00:00)
2022-11-30 08:00:23 21/19226: Compressed 162057 (00:00:00)
2022-11-30 08:00:23 22/19226: Compressed 368079 (00:00:00)
2022-11-30 08:00:23 23/19226: Compressed 368114 (00:00:00)
2022-11-30 08:00:23 24/19226: Compressed 368136 (00:00:00)
2022-11-30 08:00:23 25/19226: Compressed 456871 (00:00:00)
2022-11-30 08:00:23 26/19226: Compressed 456892 (00:00:00)
2022-11-30 08:00:23 27/19226: Compressed 456903 (00:00:00)
2022-11-30 08:00:23 28/19226: Compressed 456906 (00:00:00)
2022-11-30 08:00:23 29/19226: Compressed 470632 (00:00:00)
2022-11-30 08:00:23 30/19226: Compressed 470711 (00:00:00)
2022-11-30 08:00:23 31/19226: Compressed 470762 (00:00:00)
2022-11-30 08:00:23 32/19226: Compressed 471011 (00:00:00)
2022-11-30 08:00:23 33/19226: Compressed 509593 (00:00:00)

2022-11-30 08:00:23 34/19226: Compressed 509608 (00:00:00)
2022-11-30 08:00:23 35/19226: Compressed 509843 (00:00:00)
2022-11-30 08:00:23 36/19226: Compressed 509900 (00:00:00)
2022-11-30 08:00:23 37/19226: Compressed 526977 (00:00:00)
2022-11-30 08:00:23 38/19226: Compressed 526987 (00:00:00)
2022-11-30 08:00:23 39/19226: Compressed 526989 (00:00:00)
2022-11-30 08:00:24 40/19226: Compressed 527012 (00:00:01)
2022-11-30 08:00:24 41/19226: Compressed 527022 (00:00:00)
2022-11-30 08:00:24 42/19226: Compressed 527047 (00:00:00)
2022-11-30 08:00:24 43/19226: Compressed 527057 (00:00:00)
2022-11-30 08:00:24 44/19226: Compressed 527175 (00:00:00)
2022-11-30 08:00:24 45/19226: Compressed 527210 (00:00:00)
2022-11-30 08:00:24 46/19226: Compressed 527213 (00:00:00)
2022-11-30 08:00:24 47/19226: Compressed 527224 (00:00:00)
2022-11-30 08:00:24 48/19226: Compressed 527240 (00:00:00)
2022-11-30 08:00:24 49/19226: Compressed 527267 (00:00:00)
2022-11-30 08:00:24 50/19226: Compressed 632892 (00:00:00)
2022-11-30 08:00:24 51/19226: Compressed 632915 (00:00:00)
2022-11-30 08:00:24 52/19226: Compressed 633613 (00:00:00)
2022-11-30 08:00:24 53/19226: Compressed 633635 (00:00:00)
2022-11-30 08:00:24 54/19226: Compressed 633636 (00:00:00)
2022-11-30 08:00:24 55/19226: Compressed 633672 (00:00:00)
2022-11-30 08:00:24 56/19226: Compressed 633676 (00:00:00)
2022-11-30 08:00:24 57/19226: Compressed 633691 (00:00:00)
2022-11-30 08:00:24 58/19226: Compressed 633697 (00:00:00)
2022-11-30 08:00:24 59/19226: Compressed 634445 (00:00:00)
2022-11-30 08:00:24 60/19226: Compressed 684532 (00:00:00)
2022-11-30 08:00:24 61/19226: Compressed 684571 (00:00:00)
2022-11-30 08:00:24 62/19226: Compressed 692400 (00:00:00)
2022-11-30 08:00:24 63/19226: Compressed 692409 (00:00:00)
2022-11-30 08:00:24 64/19226: Compressed 692435 (00:00:00)
2022-11-30 08:00:24 65/19226: Compressed 693546 (00:00:00)
2022-11-30 08:00:24 66/19226: Compressed 714844 (00:00:00)
2022-11-30 08:00:24 67/19226: Compressed 714846 (00:00:00)
2022-11-30 08:00:24 68/19226: Compressed 714850 (00:00:00)
2022-11-30 08:00:24 69/19226: Compressed 714851 (00:00:00)
2022-11-30 08:00:24 70/19226: Compressed 714879 (00:00:00)
2022-11-30 08:00:24 71/19226: Compressed 714883 (00:00:00)
2022-11-30 08:00:24 72/19226: Compressed 714891 (00:00:00)
2022-11-30 08:00:24 73/19226: Compressed 714894 (00:00:00)
2022-11-30 08:00:24 74/19226: Compressed 714897 (00:00:00)
2022-11-30 08:00:24 75/19226: Compressed 714902 (00:00:00)
2022-11-30 08:00:24 76/19226: Compressed 714905 (00:00:00)
2022-11-30 08:00:24 77/19226: Compressed 714906 (00:00:00)
2022-11-30 08:00:24 78/19226: Compressed 714911 (00:00:00)
2022-11-30 08:00:24 79/19226: Compressed 714913 (00:00:00)
2022-11-30 08:00:24 80/19226: Compressed 714915 (00:00:00)
2022-11-30 08:00:24 81/19226: Compressed 714917 (00:00:00)
2022-11-30 08:00:24 82/19226: Compressed 714922 (00:00:00)
2022-11-30 08:00:24 83/19226: Compressed 714923 (00:00:00)
2022-11-30 08:00:24 84/19226: Compressed 714924 (00:00:00)
2022-11-30 08:00:24 85/19226: Compressed 714928 (00:00:00)
2022-11-30 08:00:24 86/19226: Compressed 714936 (00:00:00)
2022-11-30 08:00:24 87/19226: Compressed 714938 (00:00:00)
2022-11-30 08:00:24 88/19226: Compressed 714940 (00:00:00)

2022-11-30 08:00:24 144/19226: Compressed 715550 (00:00:00)
2022-11-30 08:00:24 145/19226: Compressed 743522 (00:00:00)
2022-11-30 08:00:24 146/19226: Compressed 743690 (00:00:00)
2022-11-30 08:00:25 147/19226: Compressed 785041 (00:00:01)
2022-11-30 08:00:25 148/19226: Compressed 785103 (00:00:00)
2022-11-30 08:00:25 149/19226: Compressed 785204 (00:00:00)
2022-11-30 08:00:25 150/19226: Compressed 785383 (00:00:00)
2022-11-30 08:00:25 151/19226: Compressed 785413 (00:00:00)
2022-11-30 08:00:25 152/19226: Compressed 785537 (00:00:00)
2022-11-30 08:00:25 153/19226: Compressed 785562 (00:00:00)
2022-11-30 08:00:25 154/19226: Compressed 785905 (00:00:00)
2022-11-30 08:00:25 155/19226: Compressed 785927 (00:00:00)
2022-11-30 08:00:25 156/19226: Compressed 786030 (00:00:00)
2022-11-30 08:00:25 157/19226: Compressed 786031 (00:00:00)
2022-11-30 08:00:25 158/19226: Compressed 786065 (00:00:00)
2022-11-30 08:00:25 159/19226: Compressed 847776 (00:00:00)
2022-11-30 08:00:25 160/19226: Compressed 923536 (00:00:00)
2022-11-30 08:00:25 161/19226: Compressed 923544 (00:00:00)
2022-11-30 08:00:25 162/19226: Compressed 923590 (00:00:00)
2022-11-30 08:00:25 163/19226: Compressed 923601 (00:00:00)
2022-11-30 08:00:25 164/19226: Compressed 997189 (00:00:00)
2022-11-30 08:00:26 165/19226: Compressed 997215 (00:00:01)
2022-11-30 08:00:26 166/19226: Compressed 1063384 (00:00:00)
2022-11-30 08:00:26 167/19226: Compressed 1063388 (00:00:00)
2022-11-30 08:00:26 168/19226: Compressed 1063412 (00:00:00)
2022-11-30 08:00:26 169/19226: Compressed 1063440 (00:00:00)
2022-11-30 08:00:26 170/19226: Compressed 1063450 (00:00:00)
2022-11-30 08:00:26 171/19226: Compressed 1063464 (00:00:00)
2022-11-30 08:00:26 172/19226: Compressed 1063466 (00:00:00)
2022-11-30 08:00:27 173/19226: Compressed 1063471 (00:00:01)
2022-11-30 08:00:27 174/19226: Compressed 1063513 (00:00:00)
2022-11-30 08:00:27 175/19226: Compressed 1063514 (00:00:00)
2022-11-30 08:00:27 176/19226: Compressed 1063515 (00:00:00)
2022-11-30 08:00:27 177/19226: Compressed 1063519 (00:00:00)
2022-11-30 08:00:27 178/19226: Compressed 1063520 (00:00:00)
2022-11-30 08:00:27 179/19226: Compressed 1065768 (00:00:00)
2022-11-30 08:00:27 180/19226: Compressed 1065769 (00:00:00)
2022-11-30 08:00:27 181/19226: Compressed 1081082 (00:00:00)
2022-11-30 08:00:27 182/19226: Compressed 1081083 (00:00:00)
2022-11-30 08:00:27 183/19226: Compressed 1081084 (00:00:00)
2022-11-30 08:00:27 184/19226: Compressed 1081085 (00:00:00)
2022-11-30 08:00:27 185/19226: Compressed 1081086 (00:00:00)
2022-11-30 08:00:27 186/19226: Compressed 1081087 (00:00:00)
2022-11-30 08:00:27 187/19226: Compressed 1081088 (00:00:00)
2022-11-30 08:00:27 188/19226: Compressed 1081089 (00:00:00)
2022-11-30 08:00:27 189/19226: Compressed 1081091 (00:00:00)
2022-11-30 08:00:27 190/19226: Compressed 1081092 (00:00:00)
2022-11-30 08:00:27 191/19226: Compressed 1081093 (00:00:00)
2022-11-30 08:00:27 192/19226: Compressed 1118539 (00:00:00)
2022-11-30 08:00:27 193/19226: Compressed 1118547 (00:00:00)
2022-11-30 08:00:27 194/19226: Compressed 1118550 (00:00:00)
2022-11-30 08:00:27 195/19226: Compressed 1121655 (00:00:00)
2022-11-30 08:00:27 196/19226: Compressed 1121656 (00:00:00)
2022-11-30 08:00:27 197/19226: Compressed 1121661 (00:00:00)
2022-11-30 08:00:27 198/19226: Compressed 1121663 (00:00:00)

2022-11-30 08:00:27 199/19226: Compressed 1121667 (00:00:00)
2022-11-30 08:00:27 200/19226: Compressed 1121669 (00:00:00)
2022-11-30 08:00:27 201/19226: Compressed 1130462 (00:00:00)
2022-11-30 08:00:27 202/19226: Compressed 1130464 (00:00:00)
2022-11-30 08:00:27 203/19226: Compressed 1130469 (00:00:00)
2022-11-30 08:00:27 204/19226: Compressed 1135331 (00:00:00)
2022-11-30 08:00:27 205/19226: Compressed 1135384 (00:00:00)
2022-11-30 08:00:27 206/19226: Compressed 1135390 (00:00:00)
2022-11-30 08:00:27 207/19226: Compressed 1135393 (00:00:00)
2022-11-30 08:00:27 208/19226: Compressed 1135402 (00:00:00)
2022-11-30 08:00:27 209/19226: Compressed 1135404 (00:00:00)
2022-11-30 08:00:28 210/19226: Compressed 1145078 (00:00:01)
2022-11-30 08:00:28 211/19226: Compressed 1145079 (00:00:00)
2022-11-30 08:00:28 212/19226: Compressed 1145084 (00:00:00)
2022-11-30 08:00:28 213/19226: Compressed 1145085 (00:00:00)
2022-11-30 08:00:28 214/19226: Compressed 1145091 (00:00:00)
2022-11-30 08:00:28 215/19226: Compressed 1145100 (00:00:00)
2022-11-30 08:00:28 216/19226: Compressed 1145101 (00:00:00)
2022-11-30 08:00:28 217/19226: Compressed 1145104 (00:00:00)
2022-11-30 08:00:28 218/19226: Compressed 1145111 (00:00:00)
2022-11-30 08:00:28 219/19226: Compressed 1147081 (00:00:00)
2022-11-30 08:00:28 220/19226: Compressed 1147083 (00:00:00)
2022-11-30 08:00:28 221/19226: Compressed 1147085 (00:00:00)
2022-11-30 08:00:28 222/19226: Compressed 1147093 (00:00:00)
2022-11-30 08:00:28 223/19226: Compressed 1147095 (00:00:00)
2022-11-30 08:00:28 224/19226: Compressed 1147097 (00:00:00)
2022-11-30 08:00:28 225/19226: Compressed 1147100 (00:00:00)
2022-11-30 08:00:28 226/19226: Compressed 1147101 (00:00:00)
2022-11-30 08:00:28 227/19226: Compressed 1147102 (00:00:00)
2022-11-30 08:00:28 228/19226: Compressed 1198791 (00:00:00)
2022-11-30 08:00:28 229/19226: Compressed 1198840 (00:00:00)
2022-11-30 08:00:28 230/19226: Compressed 1198847 (00:00:00)
2022-11-30 08:00:28 231/19226: Compressed 1198853 (00:00:00)
2022-11-30 08:00:28 232/19226: Compressed 1315711 (00:00:00)
2022-11-30 08:00:28 233/19226: Compressed 1371937 (00:00:00)
2022-11-30 08:00:28 234/19226: Compressed 1371940 (00:00:00)
2022-11-30 08:00:28 235/19226: Compressed 1371979 (00:00:00)
2022-11-30 08:00:28 236/19226: Compressed 1371991 (00:00:00)
2022-11-30 08:00:28 237/19226: Compressed 1391812 (00:00:00)
2022-11-30 08:00:29 238/19226: Compressed 1391815 (00:00:01)
2022-11-30 08:00:29 239/19226: Compressed 1391824 (00:00:00)
2022-11-30 08:00:29 240/19226: Compressed 1398078 (00:00:00)
2022-11-30 08:00:29 241/19226: Compressed 1398187 (00:00:00)
2022-11-30 08:00:29 242/19226: Compressed 1398204 (00:00:00)
2022-11-30 08:00:29 243/19226: Compressed 1398211 (00:00:00)
2022-11-30 08:00:29 244/19226: Compressed 1398225 (00:00:00)
2022-11-30 08:00:29 245/19226: Compressed 1398229 (00:00:00)
2022-11-30 08:00:29 246/19226: Compressed 1398230 (00:00:00)
2022-11-30 08:00:29 247/19226: Compressed 1398248 (00:00:00)
2022-11-30 08:00:29 248/19226: Compressed 1398249 (00:00:00)
2022-11-30 08:00:29 249/19226: Compressed 1400524 (00:00:00)
2022-11-30 08:00:29 250/19226: Compressed 1400561 (00:00:00)
2022-11-30 08:00:29 251/19226: Compressed 1400563 (00:00:00)
2022-11-30 08:00:29 252/19226: Compressed 1404992 (00:00:00)
2022-11-30 08:00:29 253/19226: Compressed 1404993 (00:00:00)

Decline Multiple Types of Updates:

There are 15220 updates in this server's database.

There are 81 types of updates listed in the configuration, however only 20 are enabled to be declined.

1. Superseded (Monthly): 0
2. Expired (Monthly): 0
3. Preview (Daily): Displaying the titles of the Preview updates that have been declined:
 1. Preview has no updates to decline.
4. Itanium (Monthly): 0
5. Beta (Daily): Displaying the titles of the Beta updates that have been declined:
 1. Beta has no updates to decline.
6. IE7 (Monthly): 0
7. IE8 (Monthly): 0
8. IE9 (Monthly): 0
9. IE10 (Monthly): 0
10. MicrosoftEdgeBeta (Monthly): 0
11. MicrosoftEdgeDev (Monthly): 0
12. LanguagePacks (Monthly): 0
13. ARM64 (Monthly): 0
14. WinXP (Monthly): 0
15. Windows7 (Monthly): 0
16. Win10_1507 (Monthly): 0
17. Win10_1511 (Monthly): 0
18. Win10_1607 (Monthly): 0
19. Win10_1703 (Monthly): 0
20. Win10_1709 (Monthly): 0

Decline Multiple Types of Updates Stream Duration: 00:00:23:51

Remove Synchronization Logs:

Changed database context to 'SUSDB'.

(0 rows affected)

Remove Synchronization Logs Stream Duration: 00:00:00:00

Remove Computer Objects:

There are no computer objects to be removed.

Remove Computer Objects Stream Duration: 00:00:00:00

Rename OS Descriptions:

Changed database context to 'SUSDB'.

ComputerName Old_OS_Description New_OS_Description

computer1.domain.local Windows 10 Pro Windows 11 Pro 21H2

computer2.domain.local Windows 10 Pro Windows 11 Pro 21H2

computer3.domain.local Windows 10 Pro Windows 11 Pro 21H2

Rename OS Descriptions Stream Duration: 00:00:00:00

Database Maintenance:

The Database Maintenance stream was run without the detailed output.

Database Maintenance Stream Duration: 00:00:00:46

Server Cleanup Wizard (SCW):

wsus.domain.local	
Version:	10.0.17763.2931
SupersededUpdatesDeclined:	0
ExpiredUpdatesDeclined:	0
ObsoleteUpdatesDeleted:	0
UpdatesCompressed:	0
ObsoleteComputersDeleted:	0
DiskSpaceFreed (MB):	2166045.94
DiskSpaceFreed (GB):	2115.28
SCW Stream Duration:	00:00:01:37

WSUS Automated Maintenance Duration: 00:00:28:38

Thank you for using WAM!

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