User Guide

ABC-Update V2.1.1

install Windows Updates on demand

Simple as your first ABC
Flexible as an alphabet

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ABC-Deploy.Com

ABC-Update
User Guide

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What it is and why you might like it

ABC-Update is a freeware tool from ABC-Deploy. It can be used as a standalone tool, or in conjunction with software distribution tools like ABC-Deploy, Microsoft SCCM and others.

ABC-Update can report from MS Update servers, or from own managed server (WSUS), and optionally download and install or uninstall updates too.

SysAdmins with responsibility of patching Windows servers and endpoints often face a few frustrations with MS Update or WSUS.
One such is that we want the ability to get these updates installed NOW, when we want, where we want, not when Automatic Update Services decides to.
Another frustration among many admins is that the "Automatic Updates Service" since Vista is such a performance hog. Often severely slowing down the end user experience even hours before patch installations begin.
And many of us share the need to easily see which updates are installed or missing without having to manually be clicking through windows. Plus the ability to script such tasks.
This gap between what Microsoft is offering out of the box, and what many admins really want is what the ABC-Update tool is made to fill.

Requirements

Tested with all Windows versions since Windows XP
.Net Framework V2.0 or higher are required for the clients
.Net Framework V4.5 or higher are required for the GUI version
Microsoft Automatic Update Service must not be disabled at client

Downloads

The tool: Http://abc-deploy.com/files/ABC-Update.zip
User Guide: Http://abc-deploy.com/files/ABC-Update.pdf
EULA: Http://abc-deploy.com/files/ABC-Update-EULA.pdf

Feedback

Your personal feedback, positive, negative and your ideas to improve the product are always welcomed. Pls. write to ABC-Update@ABC-Deploy.Com

The GUI Version

Selecting the basics

Update Source:
MS Update is Microsoft servers on the Internet.
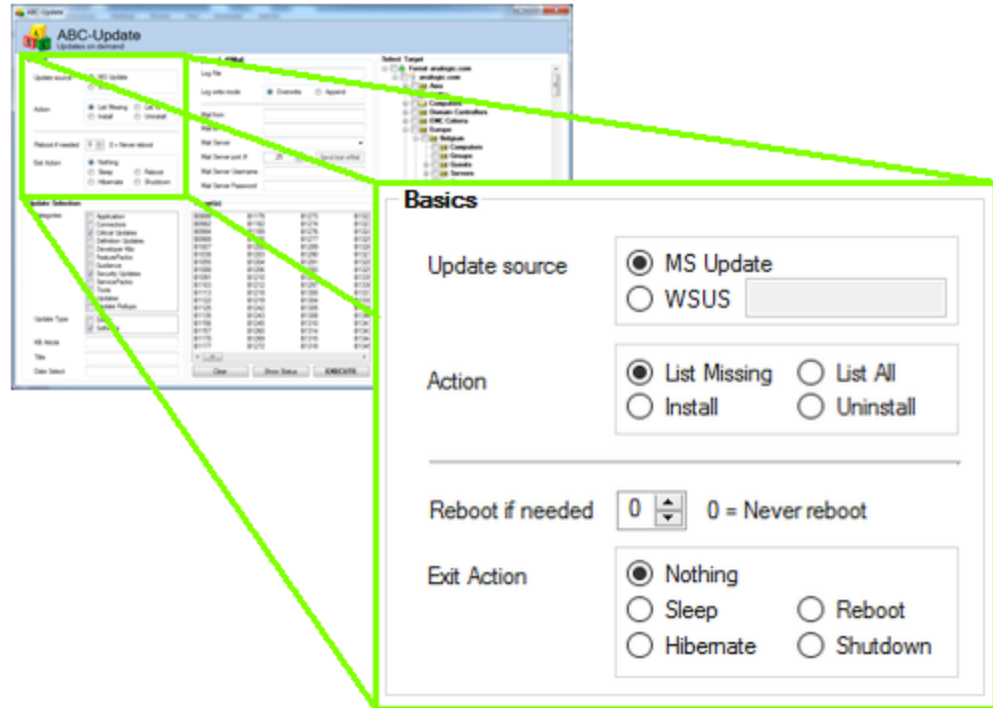WSUS will be your own managed server as registered for clients by Group Policy.
Also possible to type URL path of WSUS server to use.

Action:
Be aware that the "List All" can be slow.

Uninstallation only works with updates which have been nstalled from a WSUS. This is a limitation of MS Update.
If you try to uninstall updates that is installed from MS Update it only gives the error code 0x80240028 - WU_E_UNINSTALL_NOT_ALLOWED
If you need to uninstall such updates use the Dism.Exe utility available from Windows 7

Reboot Loops:
This switch control reboots after installations or uninstalls. A value higher than 0 will install updates and reboot if needed by any of the installations. After each successful update and reboot ABC-Update start again and continue execution, until max reboot count is reached, or until all updates are installed.

Exit Action:
When the program has finished (Maybe after a series of reboots) you can control what the ABC-Update tool should do next.

Select what to Report / Install / Uninstall

Categories:
Combination of "Critical" and "Security" is what MS would refer to as "Important" updates.

Update Type:
MS Updates comes in two flavors Most users would prefer to get drivers from other sources and only patch software.

KB Article
Each update has a number in the MS Knowledge Base library. And we can filter on these numbers .
Accept a comma separated list of KB numbers
Like: KB2631813,KB2231652,KB2243533

Use a "-" sign in front of a KB number to exclude updates
Like: - KB2631813

Title:
Updates can be selected form their title.
   * Matches anything
   % Matches one character
   # Matches one digit

Comma separated list is accepted
Like: *.NET*,*Microsoft Office*2010*

Use a "-" sign in front of a title pattern to exclude updates with this title match
Like: -*SilverLight*

Date Select:
Some of us do not want to install the latest updates. With ABC-Update you can select updates based on a date interval. Like for instance "all updates more than 30 days old"

```
Format: From-To
Default *,*              Meaning all
*,dd.mm.yyyy             from anytime    to  dd.mm.yyyy
dd.mm.yyyy,Now           from dd.mm.yyyy to  Now
dd.mm.yyyy,-30           from dd.mm.yyyy to  30 days ago
```
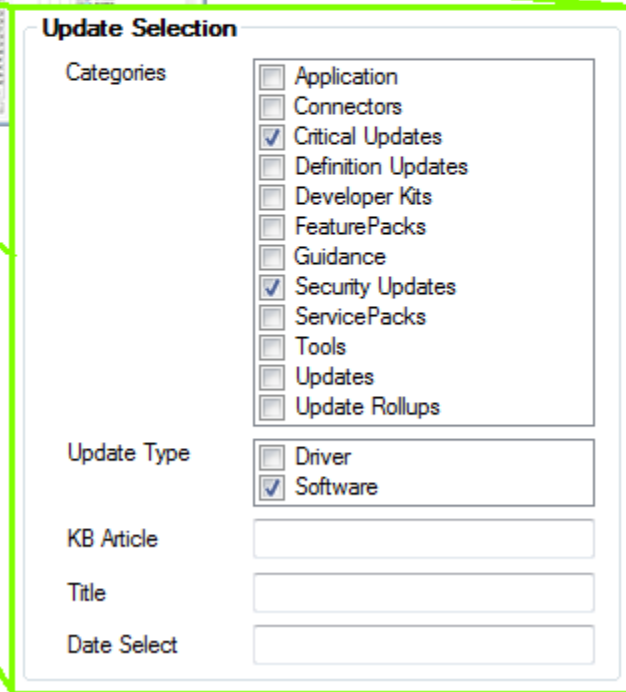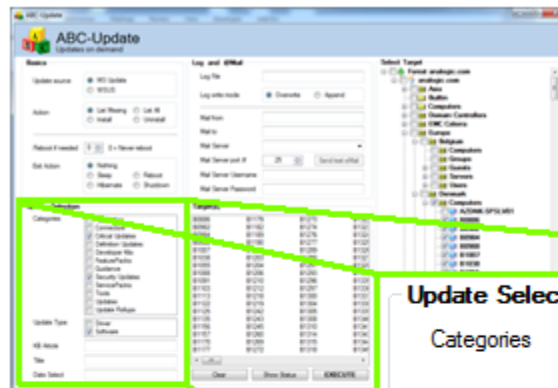
eMail and logging options

Log File:
ABC-Update can log all activity
to a file on the client. Logging also
works in the cases where you use
ABC-Update to control a reboot
loop then the log file will contain
data from all iterations.

Log write mode:
Choose to append or overwrite

Mail options:
ABC-Update can send status eMails when finished.

Mail to: Comma separated list accepted
Mail server: Sending SMTP server name or IP address
Port #: Port 25 is default

If sending SMTP server require authentication it is
possible to specify username / password and in that case
port 587 would often be used, but it all depends on
the SMTP server used for mail delivery.

Choice of SMTP server tell the client where it should deliver the eMail, it can be a smarthost on the
network or any other SMTP server where the client has access and which is willing to deliver the eMail.
Click the "down" arrow to see a list of possible choices found from the "To Address" in the DNS system –
while this will work for most clients there might be local policies and restrictions enforced that require
another SMTP server.
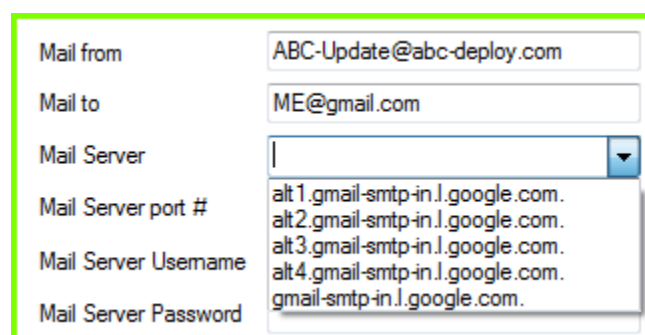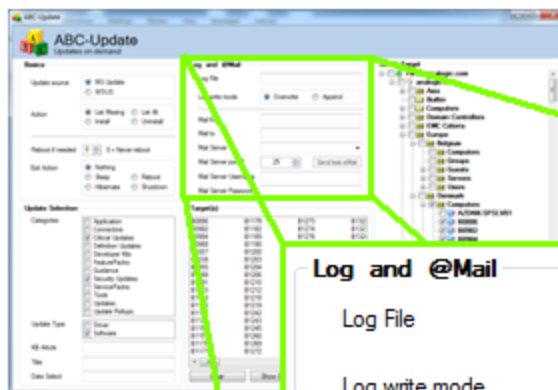
Showing SMTP servers to choose from
Found by looking up MX records for the send to domain

Select computers for update

This is you AD browser to select computers for updating.

Clicking an OU which will select all computers in the OU, or even the entire domain can be selected.

While this might include quite many computers it is not a problems to ABC-Update that can easily handle hundreds of simultanious remote update sessions but it might be challenging to your network or to the WSUS if it get hammered by hundreds of simultanious update operations.
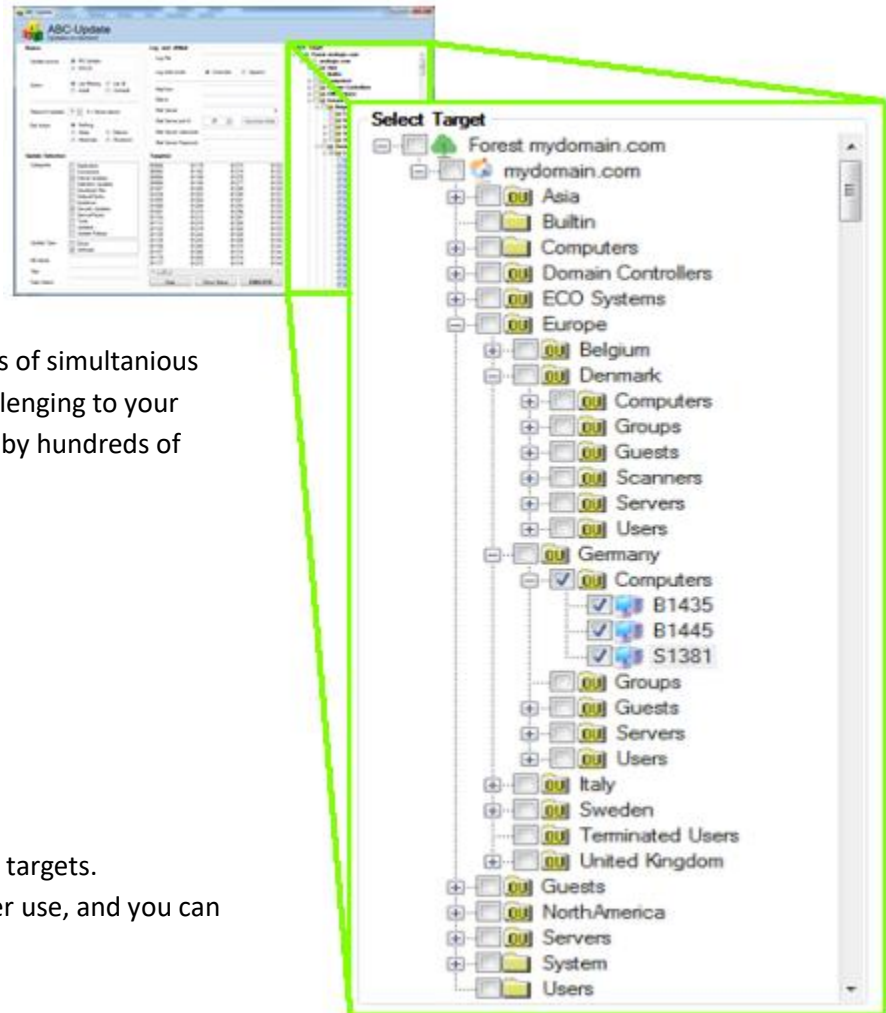
Or click the "input" button to write name of targets.
Named targets can be saved to a file for later use, and you can read targets from files.
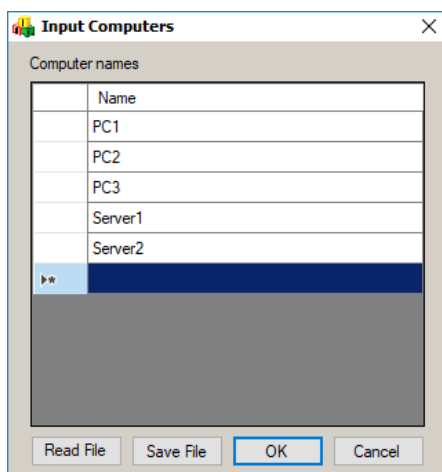
Schedule in a Service Window

For systems that you cannot patch or reboot during work hours it is practical to schedule updates and reboots during night time. Use ABC-Update to define a service window and kick off operations to only run only in that timespan.

As sysadmins we are used to perform critical tasks on servers in the middle of the night, but why not stay in bed and let ABC-Update perform scheduled updates and reboots, and wake up in the morning to check your emails and logs.

Scheduled update tasks are not appropriate for every situation. Some updates or reboots might be too critical to be executed without manual oversight and you will always need to be prepared for something to go wrong. We all experienced servers not starting after a reboot due to some unpredicted error. It might be a nasty hardware error that only shows at the reboot, or an update might show unpredicted negative side effects. However, assuming you've decided that you want to run updates/reboots in the middle of the night, here's how you can do it with ABC-Update.
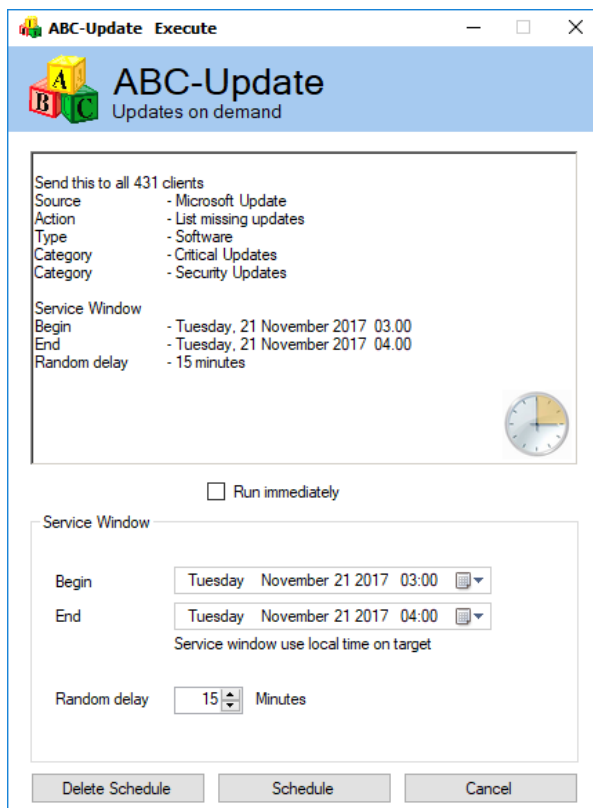
The scheduled tasks will run at the designated time.

Scheduling is only available in the GUI version, users of the command line version must schedule the execution themselves.

Delete Schedule

Button "Delete Schedule" is used to delete any saves schedules created by ABC-update at the selected machines.

Watching ABC-Update as it updates computers

When targets are selected and the program is kicked off to run at remote PCs then we see a new information window where the process of pinging, starting and executing at the remote locations can be followed. For each step it is easy to see what happens, and when clicking a machine name anywhere in the program we get access to a live log window for that machine where the complete process can be followed in further details.

Live log window from a machine searching for missing updates and installing
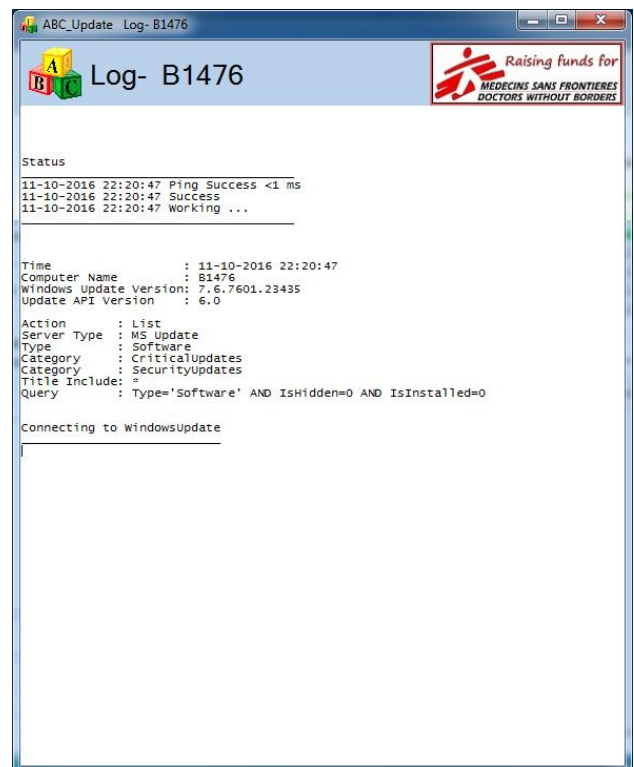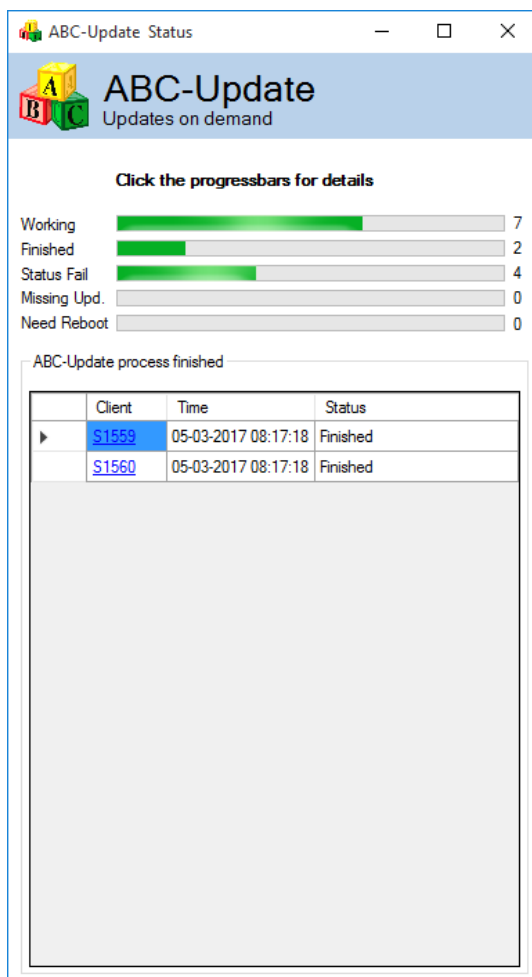
The Command Line version

Run without parameters to list all missing relevant updates from MS Update
For syntax information use - ABC-Update.exe   /?

```
ABC-Update.exe  v2.1.1
List and Install updates from MSUpdate or from managed Server (WSUS)
Documentation: Http://abc-deploy.com/files/ABC-Update.Pdf
Copyright (C) ABC-Deploy  -  Http://abc-deploy.com

Usage:
   ABC-Update.exe
   Default is to list applicable but missing updates from MSUpdate

   [/A:] Action
         Default List
         List | Install | Uninstall
   [/S:] ServerType
         Default  MSUpdate
         WSUS | MSUpdate
         Optional specify WSUS server  /S:WSUS=http://myserver.mydomain.com:8530
   [/R:] Reboot If Needed  (Y/N) | Number
         Default  N
         /R:Y       to allow one reboot if needed same as /R:1
         /R:number to allow "count" reboots. Example /R:3
   [/Q:] Query String
         Default  IsHidden=0 AND IsInstalled=0
   [/T:] Type
         Default  Type='Software'
         Comma separated list of update types to include
         /T:Driver or /T:Software or /T:Driver,Software
   [/C:] Category(s)
         Default  include all categories
         Comma separated list of Category Names to include
         Valid Names:
             Application
             Connectors
             CriticalUpdates
             DefinitionUpdates
             DeveloperKits
             FeaturePacks
             Guidance
             SecurityUpdates
             ServicePacks
             Tools
             UpdateRollups
             Updates
   [/K:] KB Article Number(s)
         Default  include all KB's
         Comma separated list of KB Article numbers to include or exclude
         Use a "-" sign in front of KB number to exclude an update
   [/N:] Name / Title
         Default include all titles
         Comma separated list of Update Titles to include or exclude
         Use a "-" sign in front of Update Title to exclude an update
         * Anything
         % One character
         # One digit
   [/D:] Date Interval of update
         Default *,*           Meaning all
         Format: From-To
         *,dd.mm.yyyy           from anytime    to  dd.mm.yyyy
         dd.mm.yyyy,Now         from dd.mm.yyyy to  Now
         dd.mm.yyyy,-30         from dd.mm.yyyy  to  30 days ago
   [/Log:]
         Filename for logging textual output
         File is overwritten if already exist
   [/Log_Append:]
         Filename for logging textual output
         Log data is appended to file
   [/MailTo:]
         eMail address to receive status when finished
         Comma separated list accepted
   [/MailFrom:]
         eMail address to use as originator of status eMails
   [/MailServ:]
         Sending SMTP server name or IP address
         Optional specify port number smtp.mydomain.com:25 (Port 25 is default)
   [/MailUser:]
         SMTP Username (If sending SMTP server require authentication)
   [/MailPwd:]
         SMTP Password (If sending SMTP server require authentication)
   [/Exit:]
         Exit Action
         Default  "Nothing"
         Valid actions: Nothing | Logoff | Sleep | Hibernate | Restart | Shutdown

Examples:

   ABC-Update.exe
   Default is to list applicable but missing updates from MSUpdate

   ABC-Update.exe /S:WSUS
   List applicable but missing updates from WSUS server

   ABC-Update.exe /S:WSUS /A:Install /R:N
   Install all applicable but missing updates from WSUS Server
   No reboot

   ABC-Update.exe /S:WSUS /A:Install /R:3 /C:SecurityUpdates
   Install all applicable but missing SecurityUpdates from WSUS server
   Reboot if needed - Max 3 times

   ABC-Update.exe /S:WSUS /A:UnInstall /R:N /K:KB2585542,KB2631813
   Uninstall two specific updates installed from WSUS Server
   No reboot

   ABC-Update.exe /S:WSUS /Q:IsHidden=0
   List all applicable updates from WSUS server.
   Both Installed and not installed updates
         Valid actions: Nothing | Logoff | Sleep | Hibernate | Restart | Shutdown
```
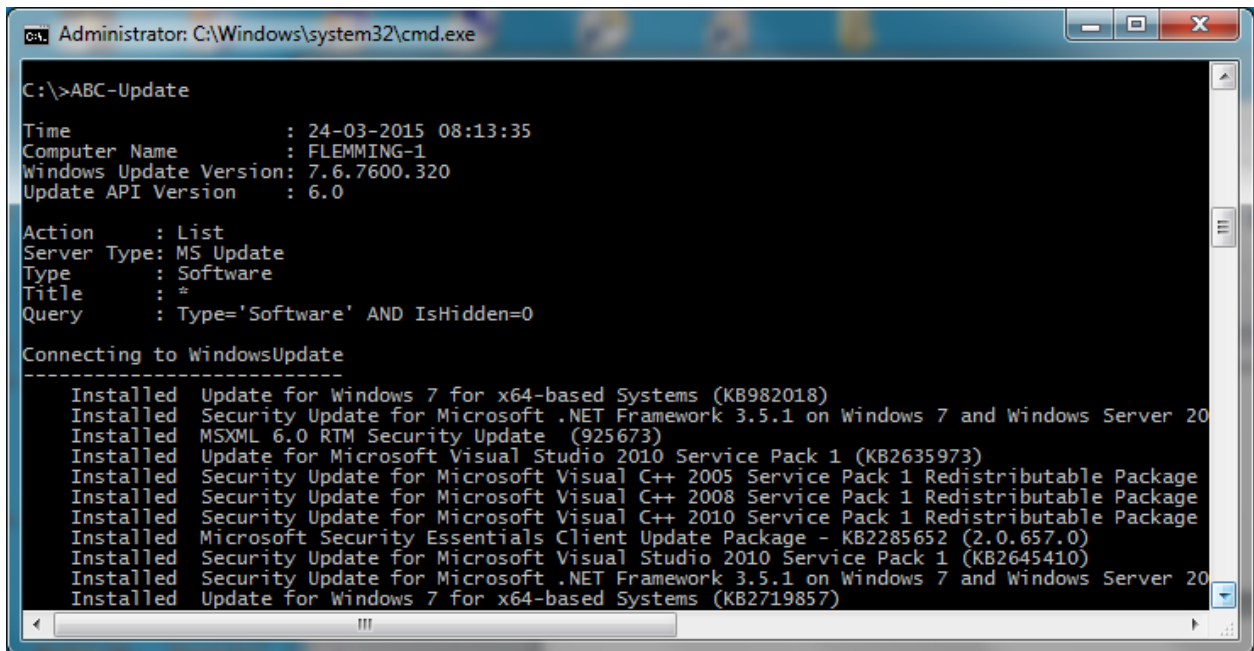
Examples
List all missing relevant updates from MS Update
ABC-Update – Default is to list from MS Update

```
Administrator: C:\Windows\system32\cmd.exe

C:\>ABC-Update

Time                    : 24-03-2015 08:13:35
Computer Name           : FLEMMING-1
Windows Update Version: 7.6.7600.320
Update API Version      : 6.0

Action      : List
Server Type: MS Update
Type        : Software
Title       : *
Query       : Type='Software' AND IsHidden=0

Connecting to WindowsUpdate
---------------------------
    Installed   Update for Windows 7 for x64-based Systems (KB982018)
    Installed   Security Update for Microsoft .NET Framework 3.5.1 on Windows 7 and Windows Server 20
    Installed   MSXML 6.0 RTM Security Update  (925673)
    Installed   Update for Microsoft Visual Studio 2010 Service Pack 1 (KB2635973)
    Installed   Security Update for Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package
    Installed   Security Update for Microsoft Visual C++ 2008 Service Pack 1 Redistributable Package
    Installed   Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package
    Installed   Microsoft Security Essentials Client Update Package - KB2285652 (2.0.657.0)
    Installed   Security Update for Microsoft Visual Studio 2010 Service Pack 1 (KB2645410)
    Installed   Security Update for Microsoft .NET Framework 3.5.1 on Windows 7 and Windows Server 20
    Installed   Update for Windows 7 for x64-based Systems (KB2719857)
```
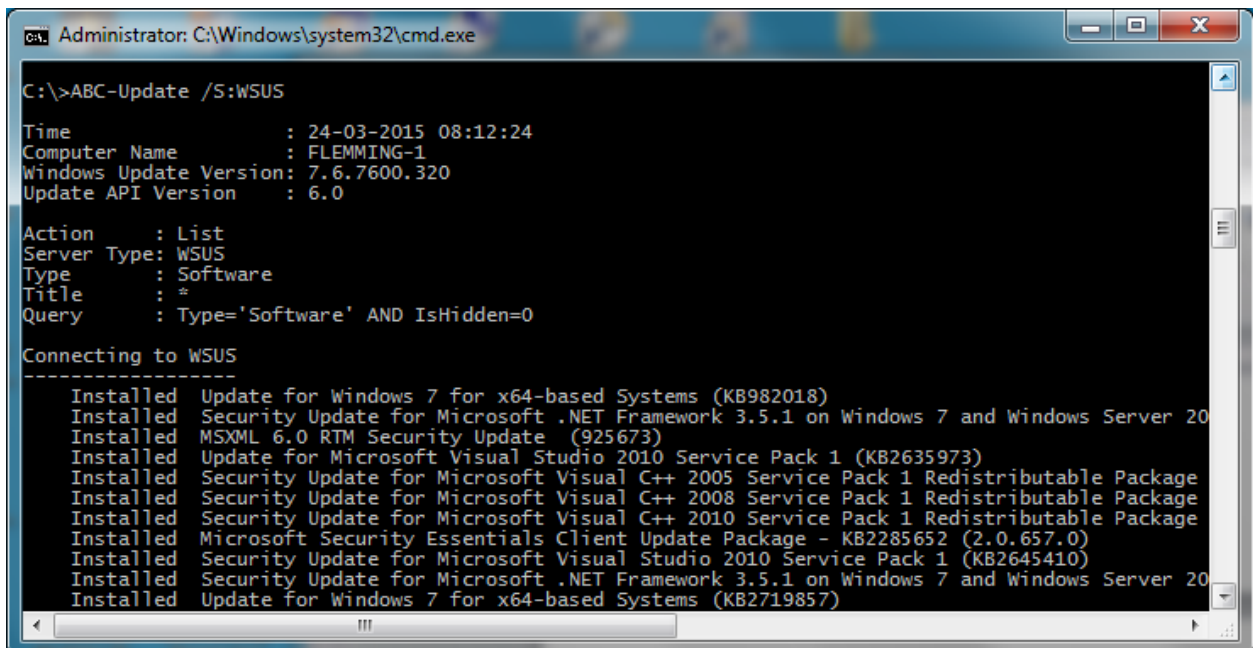
List all relevant missing updates from WSUS server
Output from: ABC-Update /S:WSUS

Optionally specify WSUS server to use if you want to override client default.
For example, enter http://*wsusServer*[:*port*], where *wsusServer* is the name of the WSUS server, and *port* is the port number if the WSUS server uses a port other than port 80.
Port 8530 is the most used port for WSUS.

```
Administrator: C:\Windows\system32\cmd.exe

C:\>ABC-Update  /S:WSUS

Time                    : 24-03-2015 08:12:24
Computer Name           : FLEMMING-1
Windows Update Version: 7.6.7600.320
Update API Version      : 6.0

Action      : List
Server Type: WSUS
Type        : Software
Title       : *
Query       : Type='Software' AND IsHidden=0

Connecting to WSUS
------------------
    Installed   Update for Windows 7 for x64-based Systems (KB982018)
    Installed   Security Update for Microsoft .NET Framework 3.5.1 on Windows 7 and Windows Server 20
    Installed   MSXML 6.0 RTM Security Update  (925673)
    Installed   Update for Microsoft Visual Studio 2010 Service Pack 1 (KB2635973)
    Installed   Security Update for Microsoft Visual C++ 2005 Service Pack 1 Redistributable Package
    Installed   Security Update for Microsoft Visual C++ 2008 Service Pack 1 Redistributable Package
    Installed   Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package
    Installed   Microsoft Security Essentials Client Update Package - KB2285652 (2.0.657.0)
    Installed   Security Update for Microsoft Visual Studio 2010 Service Pack 1 (KB2645410)
    Installed   Security Update for Microsoft .NET Framework 3.5.1 on Windows 7 and Windows Server 20
    Installed   Update for Windows 7 for x64-based Systems (KB2719857)
```

List, download and install all missing updates of type Software from WSUS. No reboot
ABC-Update.exe /S:WSUS /A:Install /Q:IsInstalled=0 /T:Software

```
Administrator: C:\Windows\system32\cmd.exe                          [_][□][X]

C:\>ABC-Update.exe /S:WSUS /A:Install /Q:IsInstalled=0 /T:Software

Time                   : 24-03-2015 08:16:29
Computer Name          : FLEMMING-1
Windows Update Version: 7.6.7600.320
Update API Version     : 6.0

Action    : Install
Server Type: WSUS
Type      : Software
Title     : *
Query     : Type='Software' AND IsInstalled=0

Connecting to WSUS
------------------
    Missing     Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package
    Missing     Update for Windows 7 for x64-based Systems (KB3014406)
    Missing     Security Update for Windows 7 for x64-based Systems (KB3019215)
    Missing     Definition Update for Microsoft Security Essentials - KB2310138 (Definition 1.195.92.

Build collection of updates to download:
----------------------------------------
    Adding: Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package (KB
    Adding: Update for Windows 7 for x64-based Systems (KB3014406)
    Adding: Security Update for Windows 7 for x64-based Systems (KB3019215)
    Adding: Definition Update for Microsoft Security Essentials - KB2310138 (Definition 1.195.92.0)

Downloading 004 updates...
--------------------------
    Download Result: Succeeded
    Successfull downloads:
    001 Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package (KB2565
    002 Update for Windows 7 for x64-based Systems (KB3014406)
    003 Security Update for Windows 7 for x64-based Systems (KB3019215)
    004 Definition Update for Microsoft Security Essentials - KB2310138 (Definition 1.195.92.0)

004 Updates will be installed now
---------------------------------
*   Start  : 001/004
    Title  : Security Update for Microsoft Visual C++ 2010 Service Pack 1 Redistributable Package (K
    Status : Succeeded, Reboot needed
*   Start  : 002/004
    Title  : Update for Windows 7 for x64-based Systems (KB3014406)
    Status : Succeeded, Reboot needed
*   Start  : 003/004
    Title  : Security Update for Windows 7 for x64-based Systems (KB3019215)
    Status : Succeeded, Reboot needed
*   Start  : 004/004
    Title  : Definition Update for Microsoft Security Essentials - KB2310138 (Definition 1.195.92.0)
    Status : Succeeded

Status
--------------------
Successes      :    4
Failures       :    0
Reboot requests:    3

C:\>
```

List and install all missing Security Updates from WSUS. Reboot if needed
ABC-Update.exe /S:WSUS /A:Install /R:Y /C:SecurityUpdates /Q:IsInstalled=0

```
C:\>
C:\>ABC-Update.exe /S:WSUS /A:Install /R:Y /C:SecurityUpdates /Q: IsInstalled=0 AND isAssigned=1

Windows Update Version: 7.5.7601.17514
Update API Version: 6.0

Action     : Install
Server Type: WSUS
Query      : Type='Software' AND IsInstalled=0 AND isAssigned=1
Category   : SecurityUpdates

Connecting to WSUS
-------------------
    Missing      Security Update for Windows 7 for x64-based Systems (KB2631813)
    Missing      Security Update for Windows 7 for x64-based Systems (KB2585542)
    Missing      Security Update for Windows 7 for x64-based Systems (KB2690533)
    Missing      Security Update for Windows 7 for x64-based Systems (KB2620704)

Build collection of updates to download:
-----------------------------------------
    Adding: Security Update for Windows 7 for x64-based Systems (KB2631813)
    Adding: Security Update for Windows 7 for x64-based Systems (KB2585542)
    Adding: Security Update for Windows 7 for x64-based Systems (KB2690533)
    Adding: Security Update for Windows 7 for x64-based Systems (KB2620704)

Downloading updates...
-----------------------
    Download Result: Succeeded
    Successfull downloads:
    1> Security Update for Windows 7 for x64-based Systems (KB2631813)
    2> Security Update for Windows 7 for x64-based Systems (KB2585542)
    3> Security Update for Windows 7 for x64-based Systems (KB2690533)
    4> Security Update for Windows 7 for x64-based Systems (KB2620704)

Updates will be installed now
-----------------------------------
    Start  : Security Update for Windows 7 for x64-based Systems (KB2631813)
    Status : Succeeded, Reboot needed
    Start  : Security Update for Windows 7 for x64-based Systems (KB2585542)
    Status : Succeeded, Reboot needed
    Start  : Security Update for Windows 7 for x64-based Systems (KB2690533)
    Status : Succeeded, Reboot needed
    Start  : Security Update for Windows 7 for x64-based Systems (KB2620704)
    Status : Succeeded, Reboot needed

Booting in 30 sec.

C:\>
```

Uninstalling Updates

The /A:Uninstall option uninstalls updates.

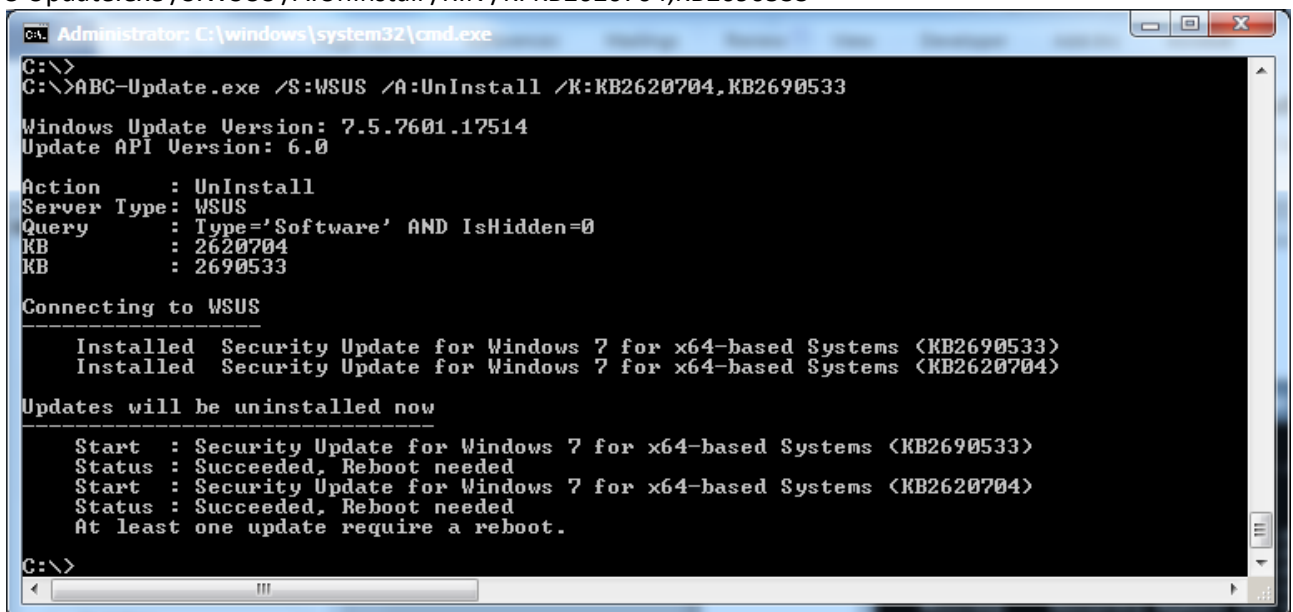For example, to uninstall KB2631813 and KB2631414
ABC-Update.exe /A:Uninstall /S :WSUS /K: KB2631813,KB2631414

Uninstallation only works with updates which have been installed from a WSUS. This is a limitation of MS Update. If you try to uninstall updates that is originally installed from MS Update it only gives the error code 0x80240028 - WU_E_UNINSTALL_NOT_ALLOWED
If you need to uninstall such updates use the Dism.Exe utility available from Windows 7

Uninstall two named updates. No reboot
ABC-Update.exe /S:WSUS /A:UnInstall /R:N /K: KB2620704,KB2690533

Filter options

Filtering by Category

Updates are grouped into Categories, and it is possible to filter by Category.
And we can filter on these categories with the /C: switch

The switch accept a comma separated list of categories
Like: ABC-Update.exe /C: FeaturePacks, SecurityUpdates, UpdateRollups

Available categories are:
    Application
    Connectors
    CriticalUpdates
    DefinitionUpdates
    DeveloperKits
    FeaturePacks
    Guidance
    SecurityUpdates
    ServicePacks
    Tools
    UpdateRollups
    Updates

Filtering by KB number

Each update has a number in the MS Knowledge Base library.
And we can filter on these numbers with the /K: switch

The switch accept a comma separated list of KB numbers
Like: ABC-Update.exe /K: KB2631813,KB2231652,KB2243533

Use a "-" sign in front of a KB number to exclude updates with this KB number
Like: ABC-Update.exe /K:- KB2631813,KB2231652,KB2243533

Filtering by Type

Updates comes from Microsoft as two types, "Software" or "Driver"
The /T: switch determines which type you will be working with. Default is "Software"

The switch accept a comma separated list of update types
Like: ABC-Update.exe /T: Software,Driver

Filtering by Name / Title

Updates can be selected form their title.
Use the /N: switch to specify a pattern to search for.
Difference between uppercase and lowercase characters are ignored.

    * Matches anything
    % Matches one character
    # Matches one digit

The switch accept a comma separated list
Like: ABC-Update.exe /N: *.NET*,*Microsoft Office*2010*

Use a "-" sign in front of a title pattern to exclude updates with this title match
Like: ABC-Update.exe /N: *.NET*,-*Microsoft Office*2010*
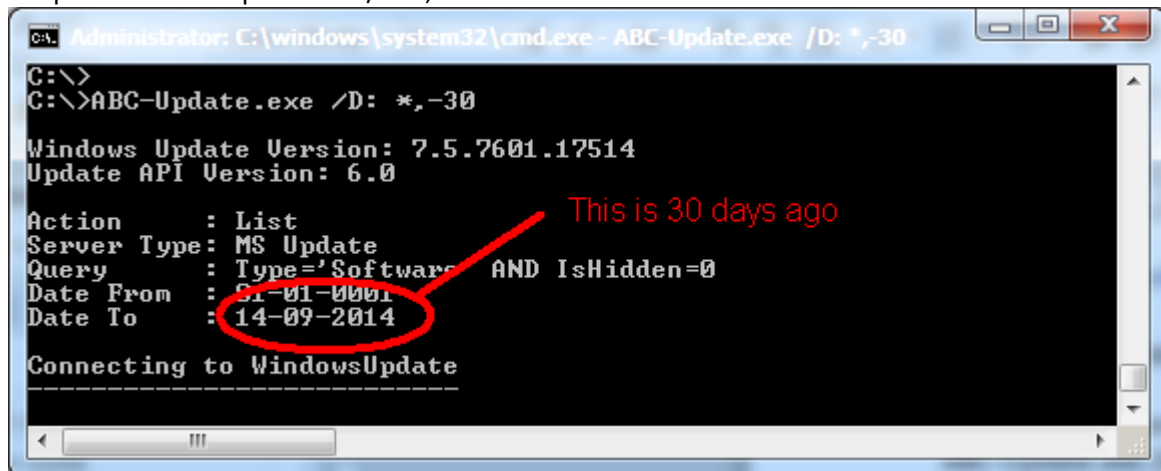
Filtering by Date

Some of us do not want to install the latest updates. With ABC-Update you can select updates based on a date interval. Like for instance "all updates more than 30 days old"
Controlled by the /D: switch

```
[/D:] Date Interval of update
      Format: From-To
      Default *,*              Meaning all
      *,dd.mm.yyyy             from anytime    to  dd.mm.yyyy
      dd.mm.yyyy,Now           from dd.mm.yyyy to  Now
      dd.mm.yyyy,-30           from dd.mm.yyyy to  30 days ago
```

Output from ABC-Update.exe /:D *,-30

Filtering by query string

ABC-Update form and send queries to the relevant update server to select the collection of updates that will be listed, installed, or uninstalled

The available switches to select updates should cover most needs so that you will not need to learn about formatting query strings, but you have the freedom to define the query string yourself if you want.

One example of a query string matching what MS describes as "Express Updates" are:
/Q:"Type=Software AND isHidden=0 and isInstalled=0 and IsAssigned=1"

For more information about formatting queries please visit:
http://msdn.microsoft.com/en-us/library/aa386526%28VS.85%29.aspx

Controlling reboots and reboot loops

Use the /R: switch to control reboots after installations or uninstalls

/R:N This is the default. No Reboots
/R:Y to reboot one time if any of the installations or uninstalls are requesting this
/R:*count* ie. /R:3

Example:
ABC-Update.exe /A:Install /R:3
This will install updates and reboot if needed by any of the installations. The loop will have a maximum of 3 reboots
After each successful update and reboot, ABC-Update.exe start again and continue execution, until max reboot count is reached, or all updates are installed.

Logging

ABC-Update can log all activity to a file. Logging also works in the cases where you use ABC-Update to control a reboot loop. Then the log file will have data from all iterations.

/Log:
     Filename for logging textual output
     File is overwritten if already exist
 /Log_Append:
     Filename for logging textual output
     Log data is appended to file if it exist

Examples:
ABC-Update.exe /A:Install /Log: C:\Update.Log
Environment variables can also be used
ABC-Update.exe /A:Install /Log: %Temp%\Update_%ComputerName%.Log

eMail status

ABC-Update can send status eMails when finished.

  [/MailTo:]
    eMail address to receive status when finished
    Comma separated list accepted
  [/MailFrom:]
    eMail address to use as originator of status eMails
  [/MailServ:]
    Sending SMTP server name or IP address
    Optional specify port number smtp.mydomain.com:25 (Port 25 is default)
  [/MailUser:]
    SMTP Username (If sending SMTP server require authentication)
  [/MailPwd:]
    SMTP Password (If sending SMTP server require authentication)

eMail example

ABC-Update

System: B1476

```
Time                 : 14-08-2016 07:50:12
Computer Name        : B1476
Windows Update Version: 7.6.7601.23435
Update API Version   : 6.0

Action       : install
Max reboots  : 3
Server Type  : MS Update
Type         : Software
Title Include: *
Query        : Type='Software' AND IsHidden=0 AND IsInstalled=0

Connecting to WindowsUpdate
Missing | 2014-03-21 12:00 | KB2912390 | REV.204 | Security Update for Windows 7 for x64-based Systems
Missing | 2015-03-20 12:00 | KB3035132 | REV.201 | Security Update for Windows 7 for x64-based Systems
Missing | 2015-03-20 12:00 | KB3035126 | REV.201 | Security Update for Windows 7 for x64-based Systems

Build download queue
Adding | Security Update for Windows 7 for x64-based Systems (KB2912390)
Adding | Security Update for Windows 7 for x64-based Systems (KB3035132)
Adding | Security Update for Windows 7 for x64-based Systems (KB3035126)

Downloading 007 updates...
Download Result: Succeeded
001 Security Update for Windows 7 for x64-based Systems (KB2912390)
002 Security Update for Windows 7 for x64-based Systems (KB3035132)
003 Security Update for Windows 7 for x64-based Systems (KB3035126)

007 Updates will be installed now
* Start | 001/007 | KB: 2912390 | Security Update for Windows 7 for x64-based Systems (KB2912390)
  Status | Succeeded
* Start | 002/007 | KB: 3035132 | Security Update for Windows 7 for x64-based Systems (KB3035132)
  Status | Succeeded, Reboot needed
* Start | 003/007 | KB: 3035126 | Security Update for Windows 7 for x64-based Systems (KB3035126)
  Status | Succeeded, Reboot needed

Status
Successes : 3
Failures : 0
Reboot requests: 2

Booting in 30 sec. at 14-08-2016 08:29:51
```

Exit actions

When the program has finished (Maybe after a series of reboots) you can control what the ABC-Update tool should do next.

/Exit:
    Default "Nothing"
    Valid actions: Nothing | Logoff | Sleep | Hibernate | Restart | Shutdown

Example:
ABC-Update.exe /A:Install /R:3 /Exit: Sleep

Return Codes

When the program exits it sets one of these return codes.

 0: successful, no reboot required
 1: successful, reboot required
 2: at least one error occurred, no reboot required
 3: at least one error occurred, reboot required
11: no updates downloaded
12: error querying MS Update
13: error querying managed server
20: Syntax Error
50: reboot/shutdown initialized successful
51: Reboot cycle successfully initiated
60: No privileges to install updates

When used together with ABC-Deploy
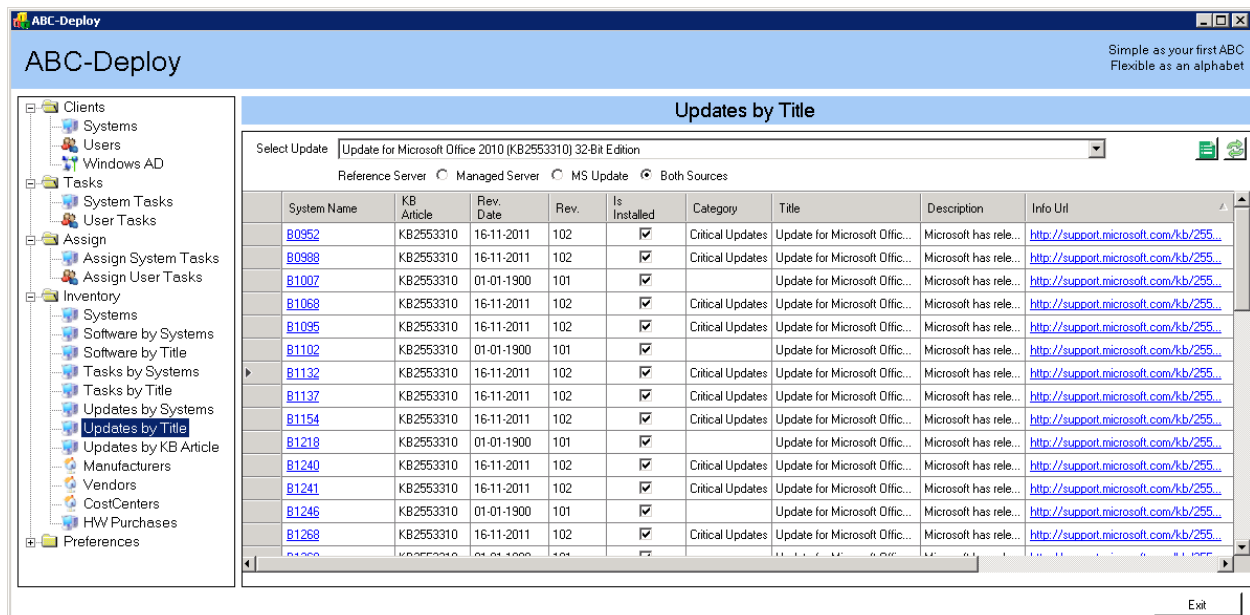
ABC-Update also has a sister tool named ABC-Deploy
It is a software deployment and inventory tool for Windows and use a policy-driven approach to distribute software or any other scriptable tasks to Windows endpoints. ABC-Deploy is packed with inventory features and are capable of reporting on patches installed or missing.

ABC-Deploy is a commercial tool for Windows AD shops scaling to thousands of computers, and it is completely free with all pro features for smaller networks.
Compare versions in this table.

Use ABC-Deploy to remotely install software, follow installations in real time, get email notifications, run software and hardware inventory reports, and download preconfigured tasks from a cloud package library. In addition, you can work with remote tools such as Remote Registry, Remote Command, Remote Uninstall, and Wake on LAN . . . and more
Installs just about anything, and give you all the information IT admins dream of

Click to download ABC-Deploy