

Get WSUS Content .NET

Searches for updates and drivers for Microsoft products, downloads them and
Enables installation without an internet connection

Use as portable version and stationary installation

© 2007 - 2022 Peter Schirmer
Version 2.9.0.1
32bit and 64bit
Suitable for all languages

Requires Microsoft .NET Framework 4.0

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1. Motivation

1.1 What is Get WSUS Content .NET?

Get WSUS Content .NET scans computers for updates for Microsoft products (e.g. Windows, Office, Visual Studio and many more), downloads them and offers various functions for individual patch management. In addition, drivers offered via Microsoft Update are also downloaded.

Get WSUS Content .NET uses the technology of the Microsoft Update Agent.

1.2 What can Get WSUS Content .NET do?

Get WSUS Content .NET scans the computer on which it is running or scans computers in the network for updates of Microsoft products as well as for drivers. This includes, for example, older products such as Windows 2000 or the latest version of Windows 10 including the server versions. The Microsoft Update Server on the Internet or explicitly the WSUS servers in the network can be used as the source.

Various tasks in the context of patch management can be carried out with Get WSUS Content .NET, e.g. hiding updates, integrating them into an installation image, creating a bootable USB stick or the targeted selection and installation of updates with the offline installer. Third-party updates can also be installed.

1.3 What Get WSUS Content .NET cannot do

To download updates with Get WSUS Content .NET, the product in question must be "reachable". This means that the product must either be installed on the local computer or the computer must be accessible via the network.

Get WSUS Content .NET cannot download updates for products that are not available locally or on the network.

1.4 The concept

There are many programmes that take care of update installation. Most programmes are manually updated and provided month by month by the author (e.g.: update packages). Other concepts only take into account the updates contained in the file "wsusscn2.cab". These are exclusively security-relevant updates and do not show the complete picture of all updates for a product.

Get WSUS Content .NET is different. It uses the Windows Update Agent. This is the method used to search for and install updates via Windows Update. The Windows Update Agent does not only consider a part of the updates, but all of them that are offered via Microsoft Update (including drivers). This includes updates for Office, Visual Studio, SQL Server and many more.

The biggest advantage of Get WSUS Content .NET is the huge range of functions and the ease of use at the same time. The tasks are clearly structured in a tree structure and within each task the operation is based on a wizard.

1.5 In a nutshell - the content

Updates can be obtained in various ways. For companies, there are Windows Server Updates Services, WSUS for short. These store the updates on a server and distribute them to the individual clients. For users who do not have a WSUS server available, examine the computers with the Windows Update Agent.

For each of the two sources, the tasks provided for them are clearly structured. The structure of this manual corresponds to the structure of the menu in the programme. Furthermore, a glossary of the terms mentioned is included as well as some download addresses for the systems up to Windows XP.

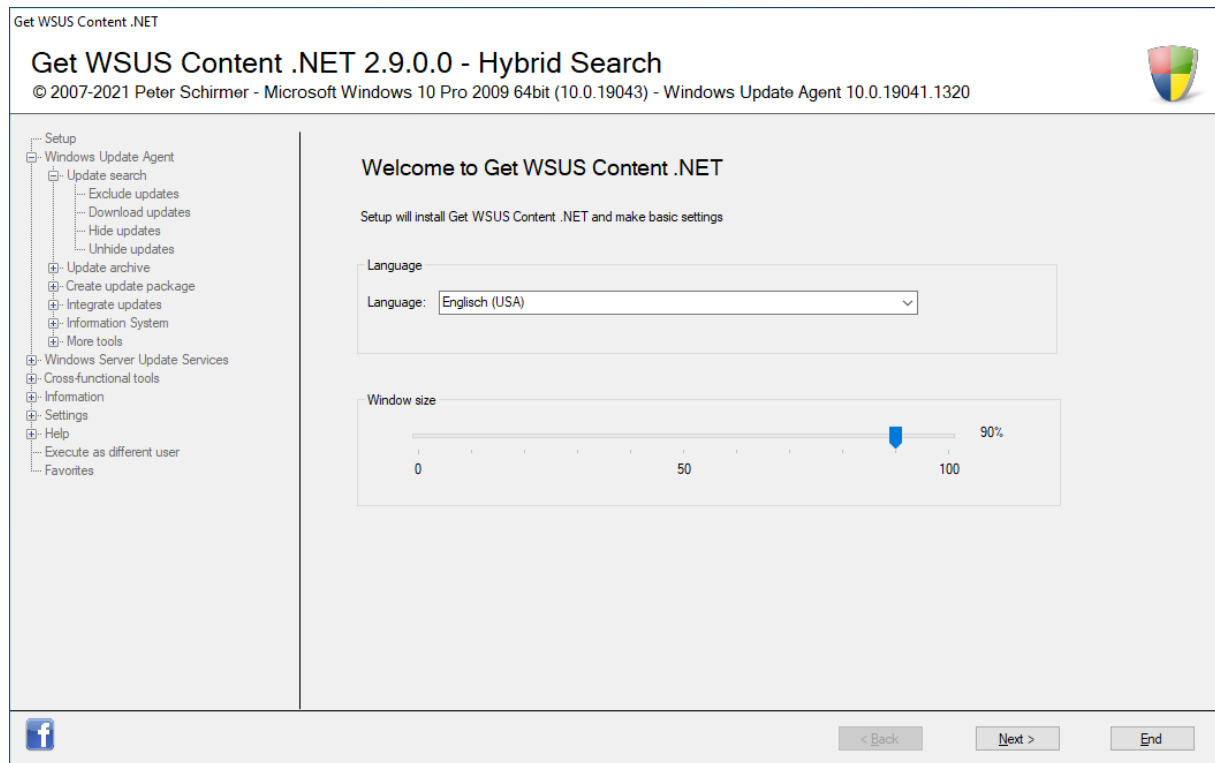
2. Installation

Get WSUS Content .NET can be set up from scratch (as an installation on the computer or portable, leaving no traces after termination) or an existing version can be updated.

Unpack the archive into a folder and start the file "Setup.exe" for a new setup - for an update of an existing version start the file "Update.exe".

2.1 New installation: Portable or installation

Call the file "Setup.exe" to start the new setup.

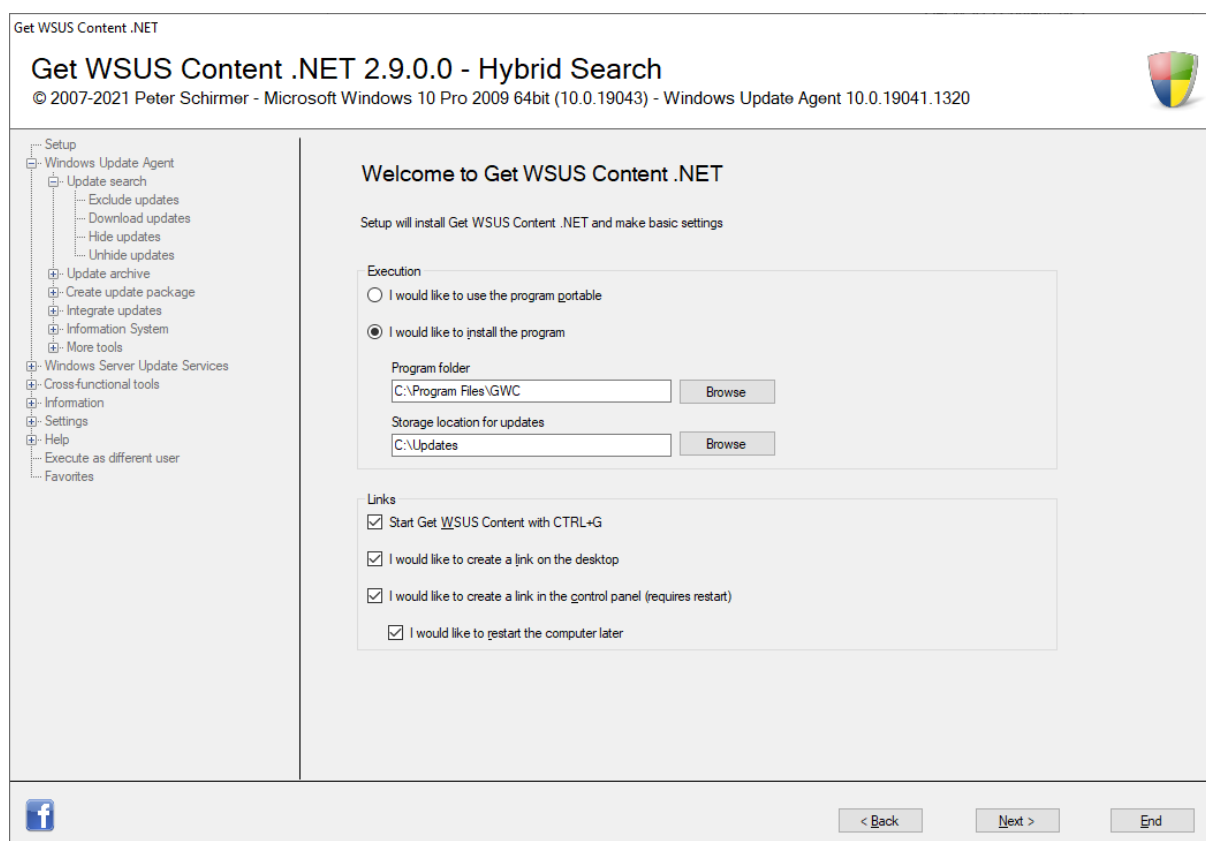


Welcome Screen - Step 1 of Setup

By default, the interface is displayed in English at the first start.

Window size

On computers with a high font size setting, the "Back", "Next" and "End" buttons are not necessarily visible. Scaling reduces the size of the window at the bottom, e.g. to 90% of the original size.



Welcome Screen - Step 2 of Setup

Then set the following options:

I would like to use the programme portable

In the portable version, no traces are left on the system. Everything is stored in the folder where the file "GWC.exe" is located.

I would like to install the program

The programme is installed in the specified folder (default: C:\Program Files\GWC). In addition, the updates found are stored in the update folder (default: C:\Updates).

Start Get WSUS Content .NET with CTRL+G

In addition to double-clicking on the icon, Get WSUS Content .NET can be started with the key combination CTRL+G.

I would like to create a link on the desktop

The icon of Get WSUS Content .NET is created on the desktop for starting.

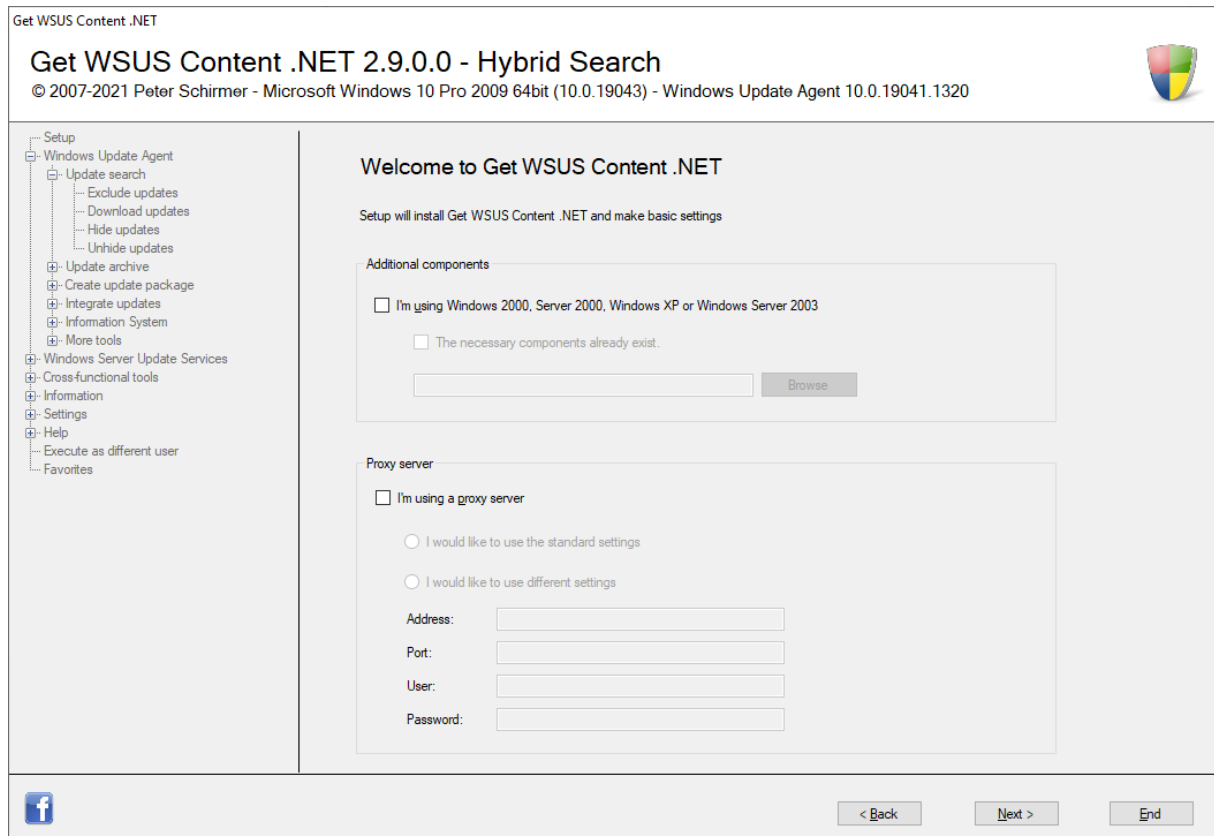
I would like to create a link in the control panel (requires reboot)

Next to the icon on the desktop, an entry will be created in the control panel that starts Get WSUS Content .NET. In order for the entry to become visible, the computer must be restarted after the setup.

I would like to restart the computer later

The required restart of the computer for the entry in the control panel is carried out later. I.e. , you must restart the computer manually for the entry to become visible.

Then click on "Next".



Welcome Screen - Step 3 of Setup

In the second step, the following options are set:

I'm using Windows 2000, Server 2000, Windows XP or Windows Server 2003

If you use older systems from Windows 2000 to Windows XP or the respective server variants, some components are required from the Microsoft servers that are already included in the latest generations of Windows. These are Internet Explorer 6 and qchain.exe, which are required for old systems.

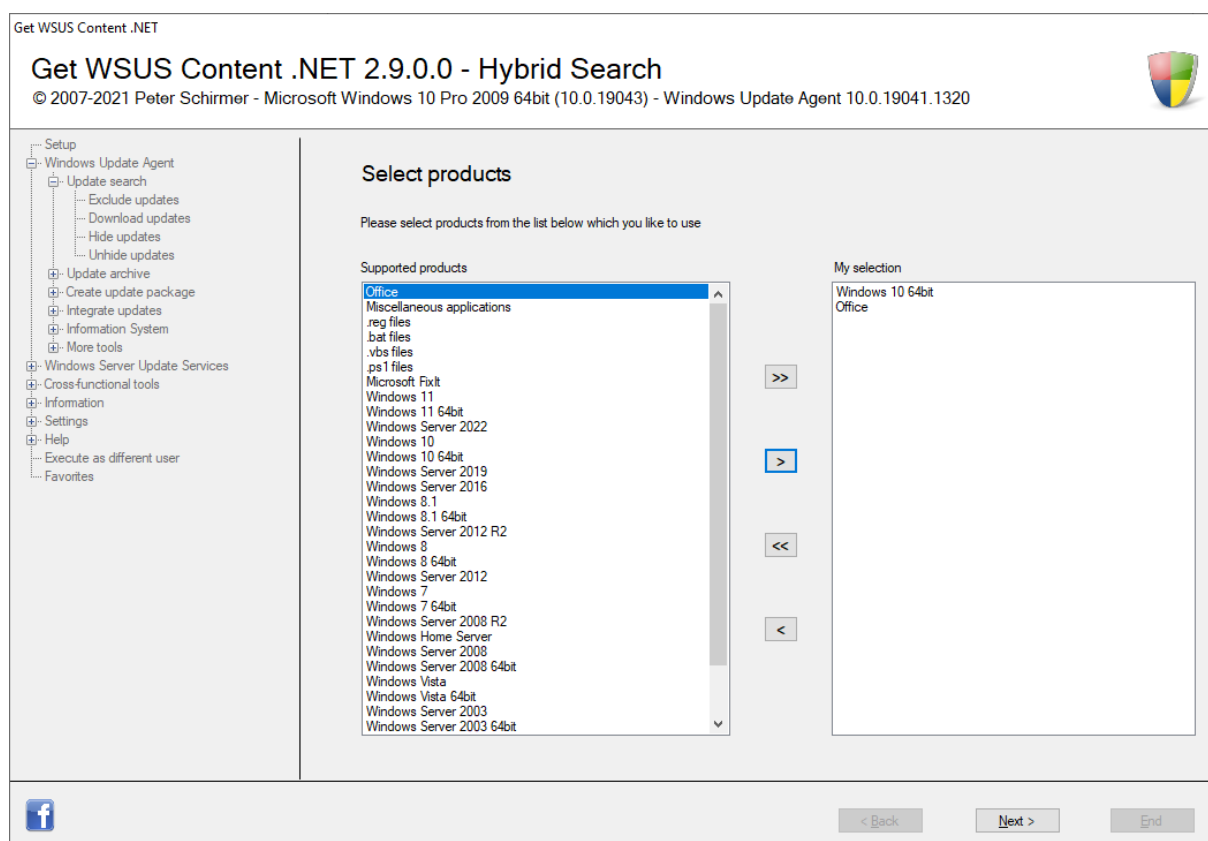
The necessary components already exist

If the components for the legacy systems already exist, you can specify the path to them.

I'm using a proxy server

If a proxy server is used, you can use the default settings or specify the address, port, user and password so that the required files are downloaded.

Click on "Next". Setup downloads the necessary components from the Microsoft servers and sets up the directories.



Welcome Screen - Step 3 of Setup

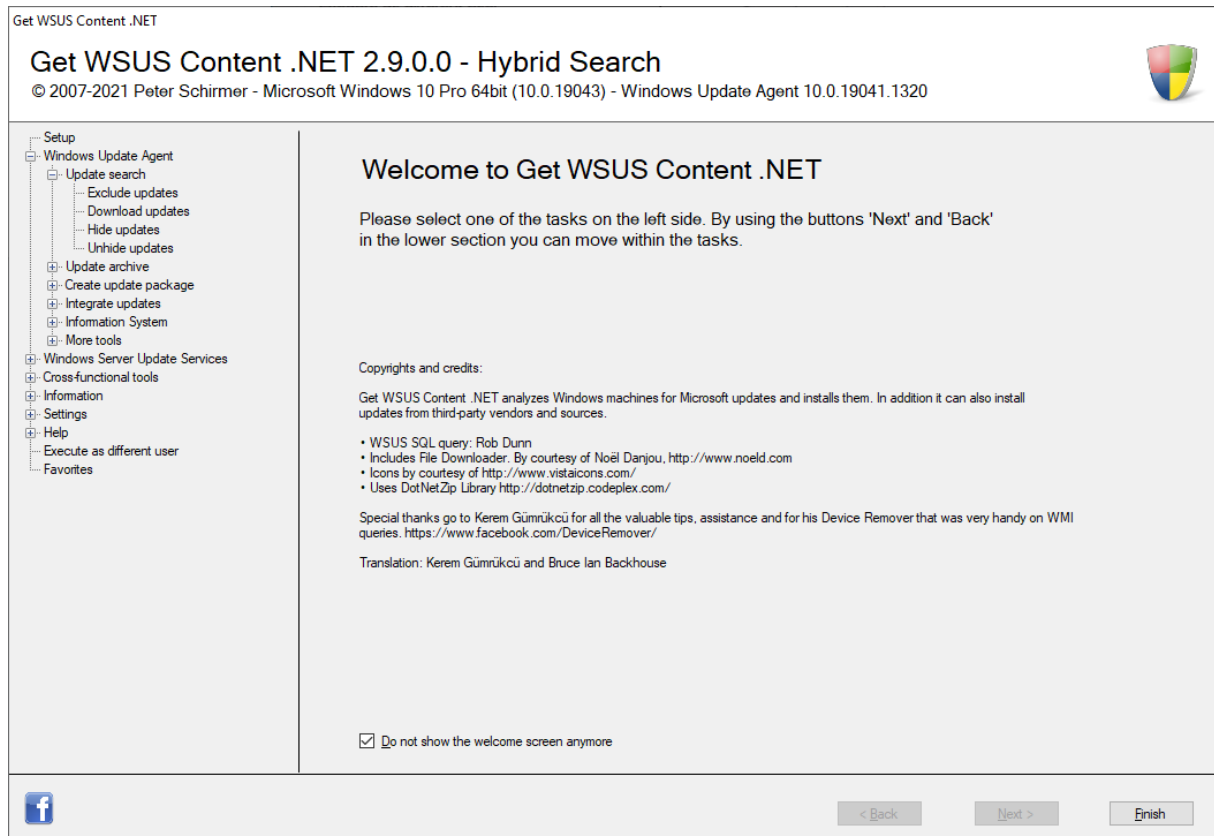
In the third and final step, the update database is adapted to your system with installation parameters. Get WSUS Content .NET comes with a comprehensive database of various products that already contains updates and their installation parameters. Use the buttons in the middle to select which of these products you use.

Button	Action
>>	Transfers all products for takeover
>	Transfers only the currently selected product for takeover
<<	Removes all entries on the right side
<	Undoes the action by selecting the product on the right side

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

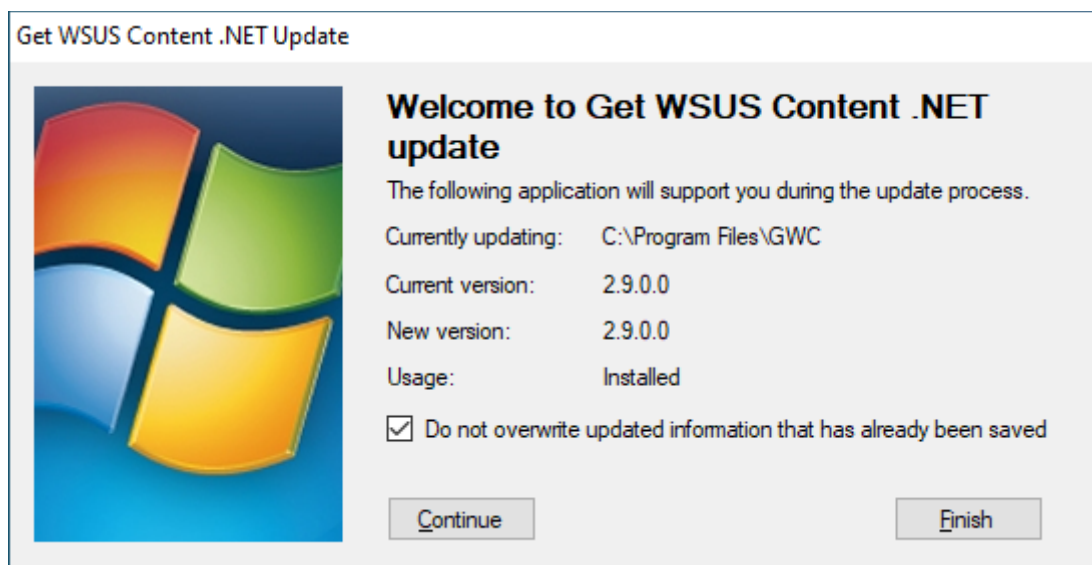
After that, Get WSUS Content .NET is ready for use. Select one of the tasks on the left or exit the programme. As long as the welcome screen is displayed, the "Next" and "Back" buttons are deactivated. They are only activated when one of the tasks has been selected.



Get WSUS Content .NET is ready for use

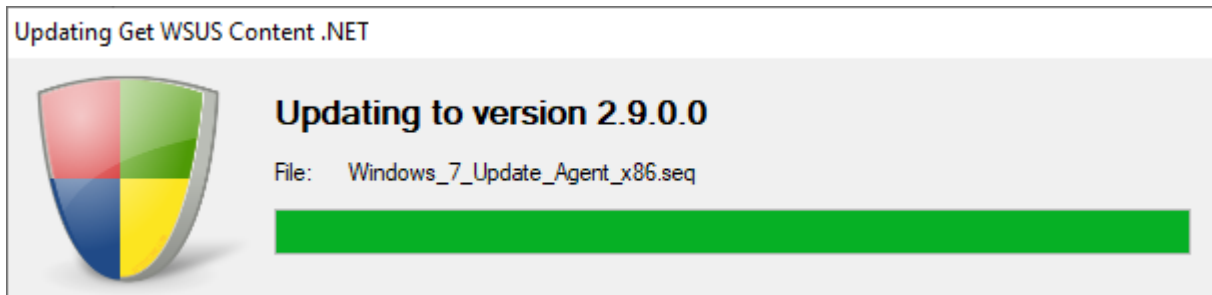
2.2 Update from a previous version

If a previous version of Get WSUS Content .NET is installed, this version is updated using the "Update.exe" file. Updates and parameters already recorded are retained. If this information should nevertheless be overwritten, the check mark "Do not overwrite already saved update information" must be removed. With version 2.9, the hybrid mode is set by default via the update.



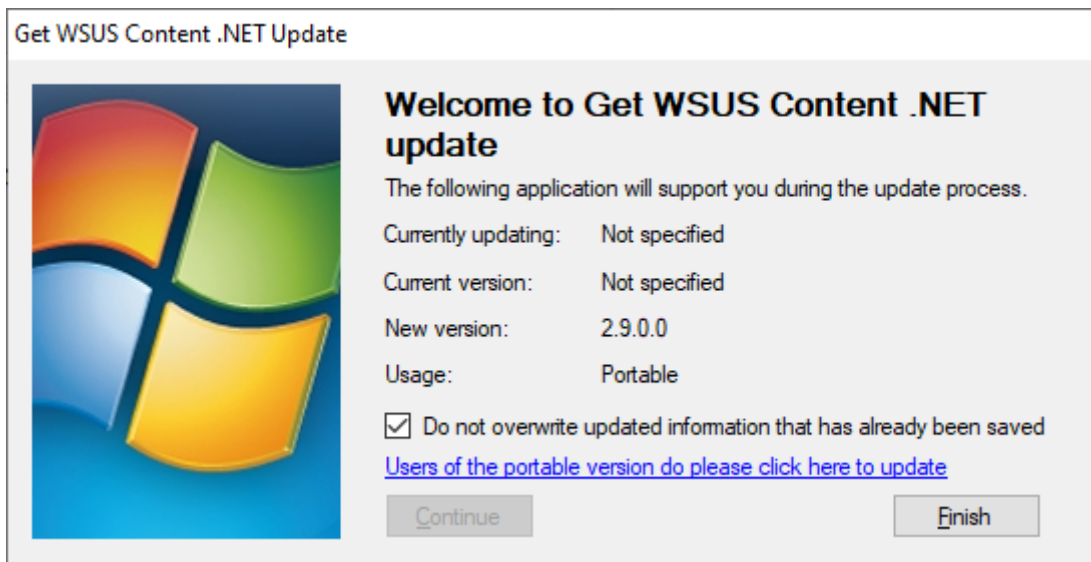
Welcome screen when updating a stationary installation

Update detects whether Get WSUS Content .NET is available as a stationary or portable version. By clicking on "Next", the stationary version found is updated and then started.



Updating a stationary installation

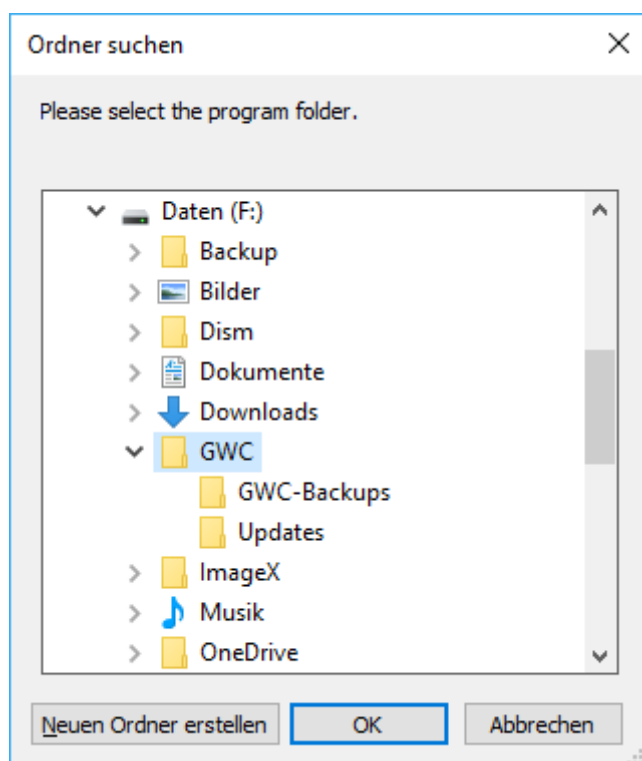
If Get WSUS Content .NET is set up portable, some information cannot be determined because the information is not saved due to the portable version. This includes the fact that the interface appears in English.



Welcome screen when updating a portable version

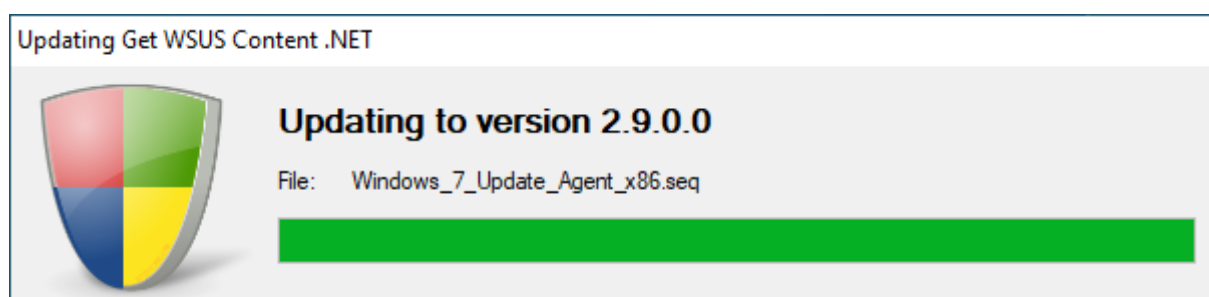
Users of the portable version do please click here to update

Since the information about the directories is unknown for the portable version, this must be specified. After clicking on the link, a dialogue appears in which you click on the directory of Get WSUS Content .NET which is to be updated.



Path specification of the folder to be updated

After clicking on "OK", the specified folder is updated with the new version and then started.



Updating a portable version

2.3 Uninstalling a previous version

In some cases, e.g. in the case of fundamental changes from one version to the next, the update process is not provided for in this way. The older version must first be removed.

From the Windows Start menu, call up the entry "Get WSUS Content .NET Remove".



Welcome screen during uninstallation

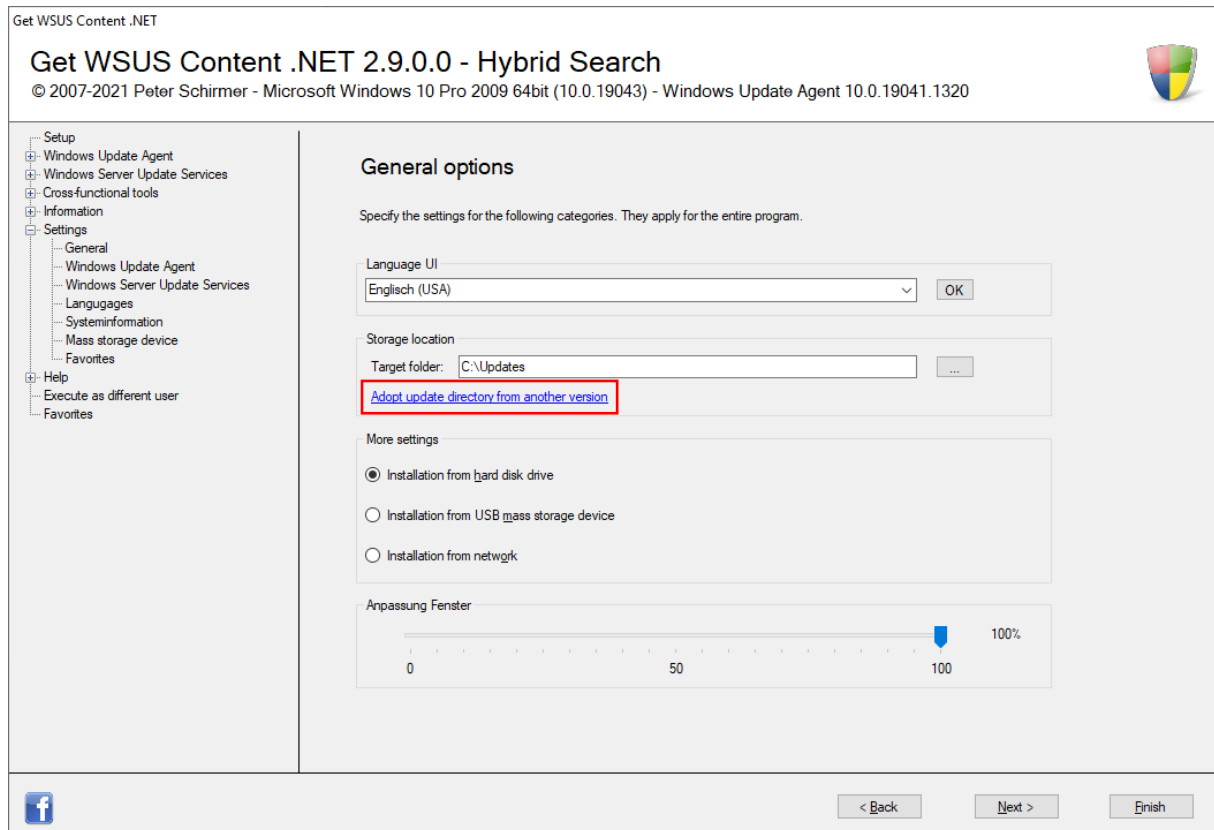
Delete updates as well

The default setting only removes the components for executing Get WSUS Content .NET, but leaves the updates in the update directory untouched. If you still want to delete the updates, check the box.

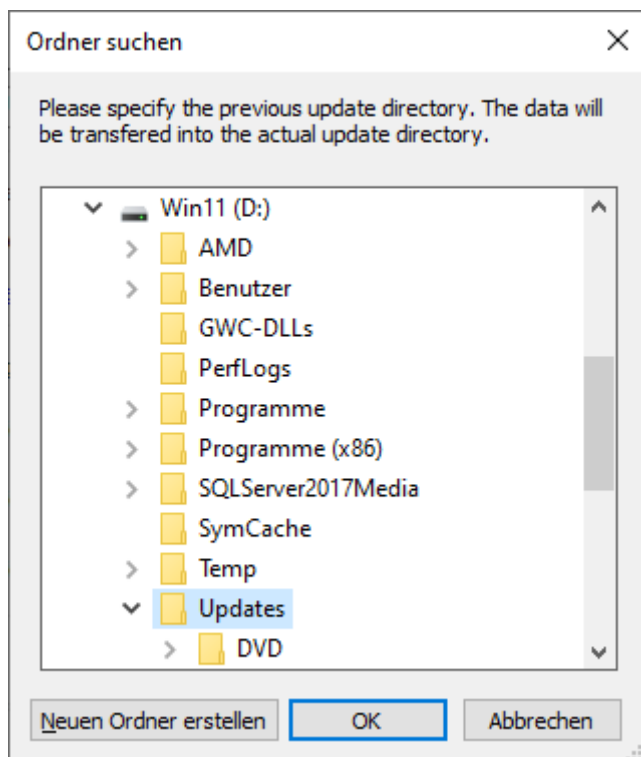
After clicking on "Next", Get WSUS Content .NET is removed and prompts for a restart.

Afterwards, Get WSUS Content .NET is set up again using Setup (see Chapter 2.1). If the paths do not change during an upgrade, you will receive a message that the file "Updates.csv" was found and has not been overwritten. The updates you have entered so far and their parameters remain unchanged.

If the paths change or you set up the portable version again, the data of the old version must still be transferred after the update. Under "Settings" select the task "General" and there the link "Take over update directory of another version".



Take over data stock



Select update directory

The upgrade to the new version with different paths is then complete and Get WSUS Content .NET can then be used as usual.

3. Using Get WSUS Content .NET

3.1 The basic problem

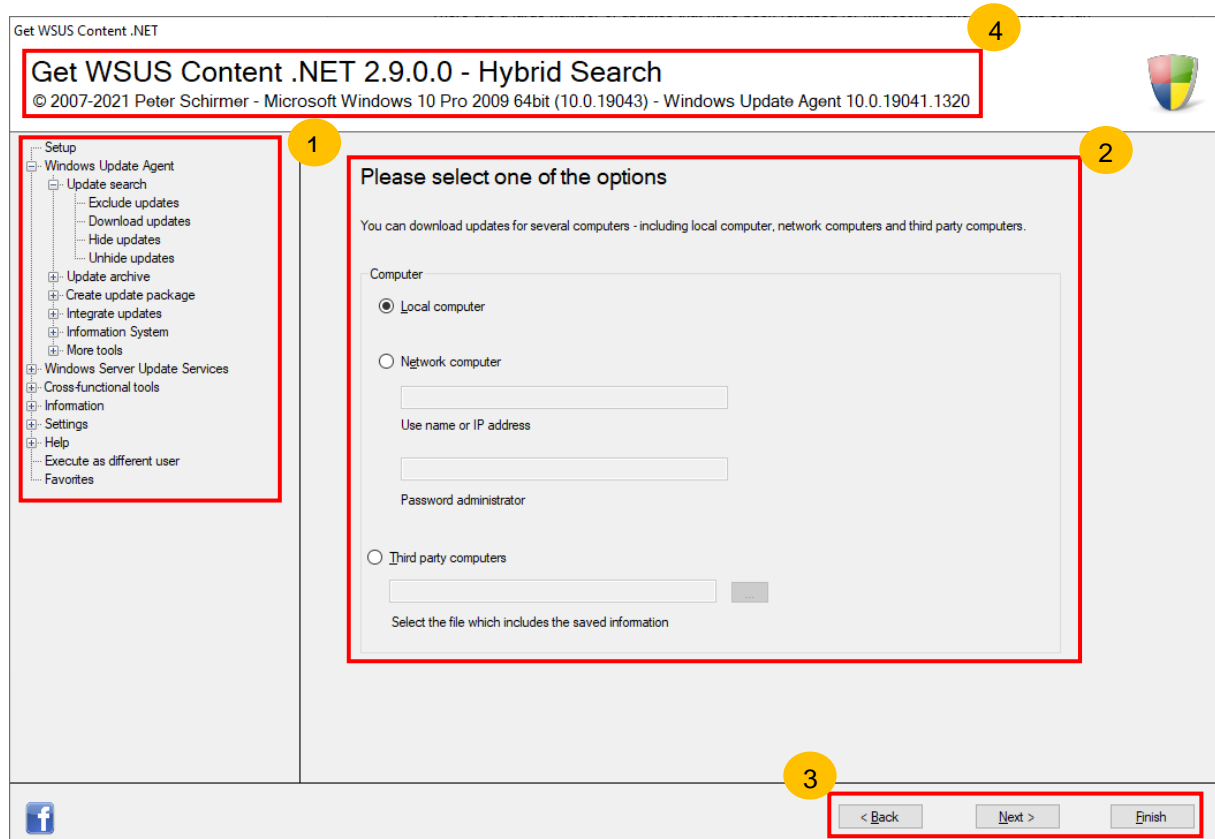
There are a large number of updates that have been released for Microsoft's various products so far. Some of these are extremely important, as they protect against intruders from the Internet. Windows Update offers the possibility to install these updates online. However, if the computer has to be reinstalled, Windows Update is no help because the updates are not saved in a simple form on the computer so that they can be used again later.

3.2 The solution

This is exactly where Get WSUS Content .NET comes in. The computer is examined and all updates that are necessary for the computer are determined. These are downloaded and stored in a reusable personal update archive. A USB stick can be created from this update archive, which installs the updates. Alternatively, the installation can also be carried out from the hard disk.

3.3 The entry

Get WSUS Content .NET is started by double-clicking from the desktop, from the start menu or from the control panel. The main dialogue appears, which is divided into several sections.



The main dialogue

1. Tasks

On the left-hand side are the tasks that can be performed with Get WSUS Content .NET in a tree structure.

2. Main part

In the centre of the programme, the individual screens for the respective tasks are displayed. The picture above shows the search for updates. Depending on the task selected, different screens are displayed.

3. Buttons

Each task is structured similar to a wizard, operated with the "Next", "Back" and "End" buttons at the bottom of the programme:

Button	Meaning
Next	Performs a selected action or directs to the next step
Back	Returns to the start or resets inputs to default values
Finish	Ends the entire programme

If tasks are being edited, the "Next" and "Back" buttons and the menu are deactivated. This secures the processing of a task, as the user can move freely through the entire programme when the menu is activated.

This means that the user can move from each task to the next without having to open more windows or navigate through multiple menus. The entire tasks are organised in a single menu in a tree structure.

4. Header

Information of a general nature is displayed in the header bar. Depending on the task, additional information is sometimes displayed, e.g. whether updates are installed from the hard disk or under which path the mount directory can be found when integrating Windows updates.

Unless the welcome screen is displayed, Get WSUS Content .NET starts by default with the task of downloading updates.

3.4 Tasks

3.4.1 Windows Update Agent

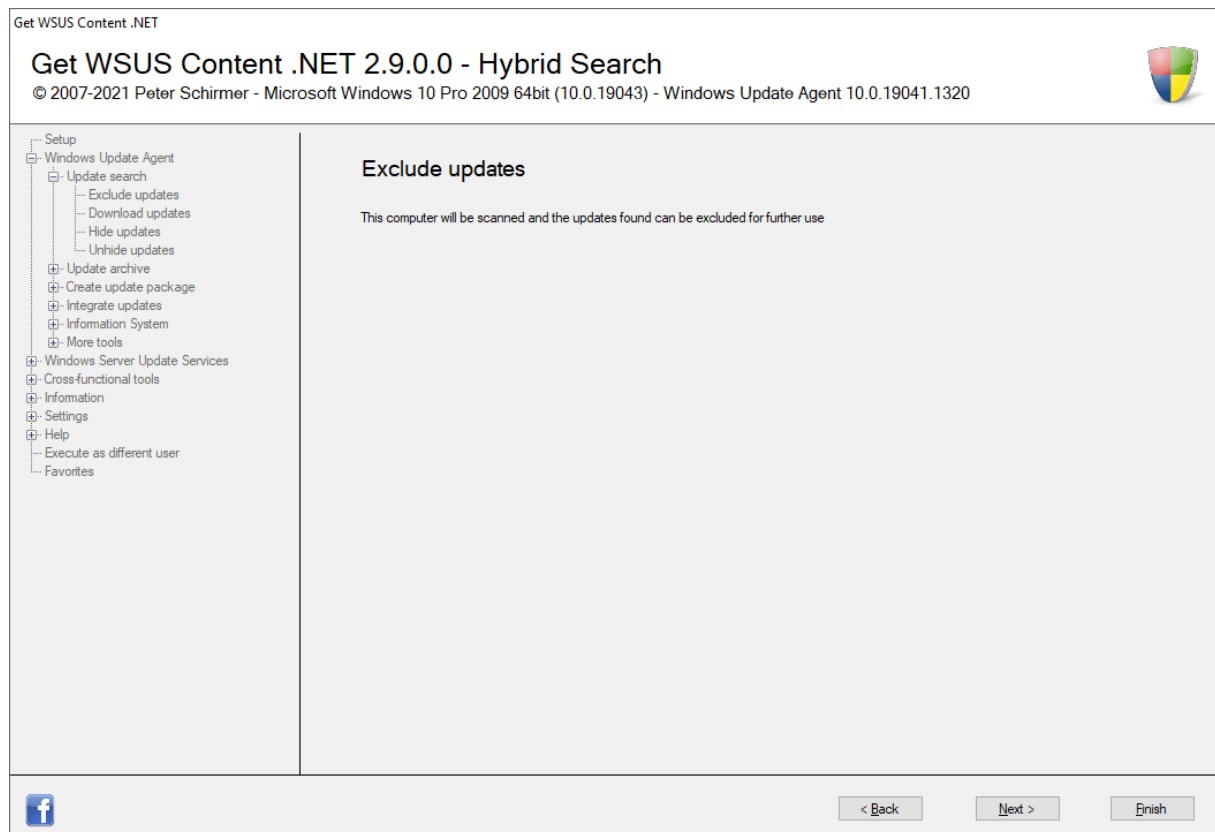
If Get WSUS Content .NET is run on a computer that has no connection to a WSUS server, the default task is automatically suggested to check for and download updates using the Windows Update Agent.

3.4.1.1 Update search

3.4.1.1.1 Exclude updates

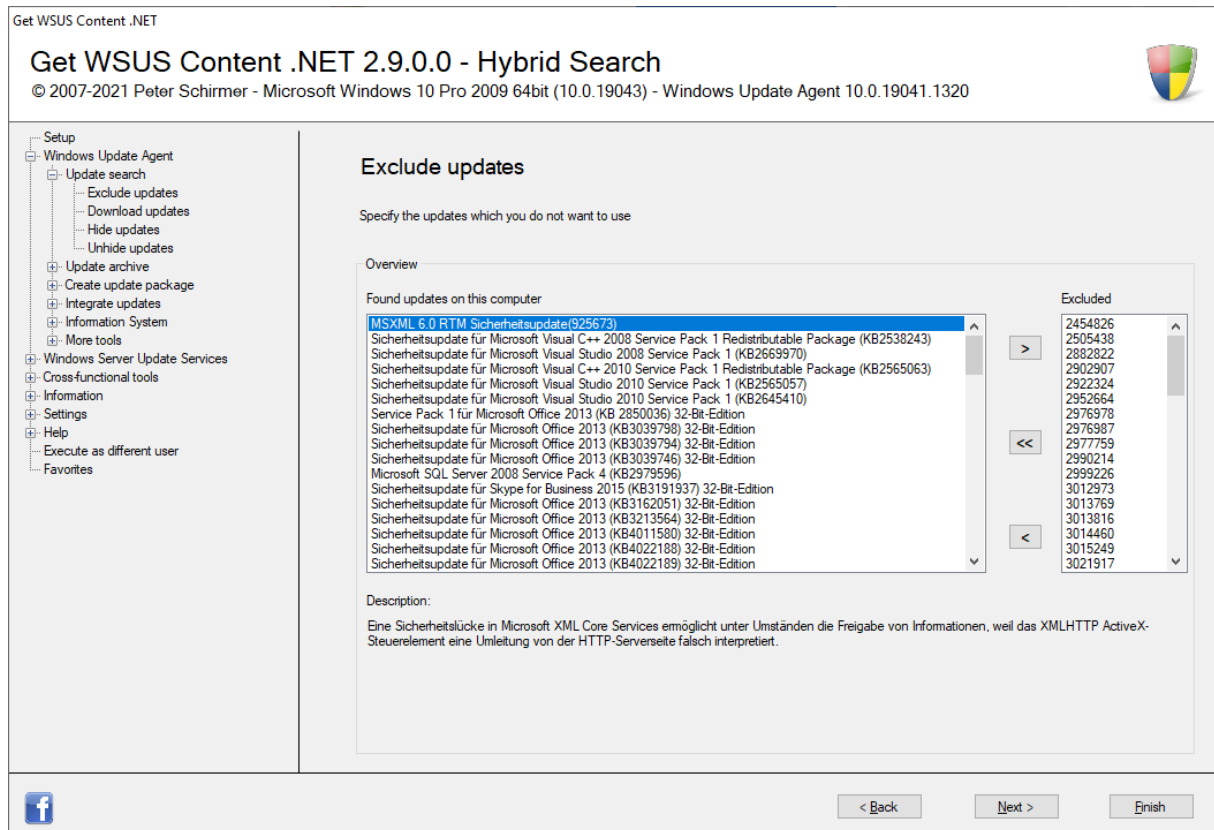
Get WSUS Content .NET scans the computer using the Windows Update Agent and delivers all updates that are relevant for the computer. However, these can also be updates that are not desired, such as the telemetry updates. They collect data such as crashes of the computer and send this information to Microsoft. This data is used to find and fix the reasons for crashes.

Those who do not want such updates can exclude them and the updates are saved in a corresponding list. The entries in this list are then neither displayed nor taken into account in the individual tasks.



Initial screen

Click "Next" and the machine running Get WSUS Content .NET will be scanned and the results displayed.



Results of the investigation

On the left are all the files that have been identified and a description of the currently selected update. On the right are all the KB numbers that belong to the updates and can be selected via the buttons in the middle. A kind of translation from update to KB number is carried out.

The list on the right already contains the KB numbers of various telemetry updates that are not desired. Depending on whether the KB number is identical under different operating systems, the update does not have to be entered manually again and again for each system.

The transfer of updates from the left to the right side is done via the buttons in the middle:

Button	Action
>	Transmits only the currently selected update to exclude
<<	Removes all entries on the right side
<	Undoes the action by selecting the update on the right-hand side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

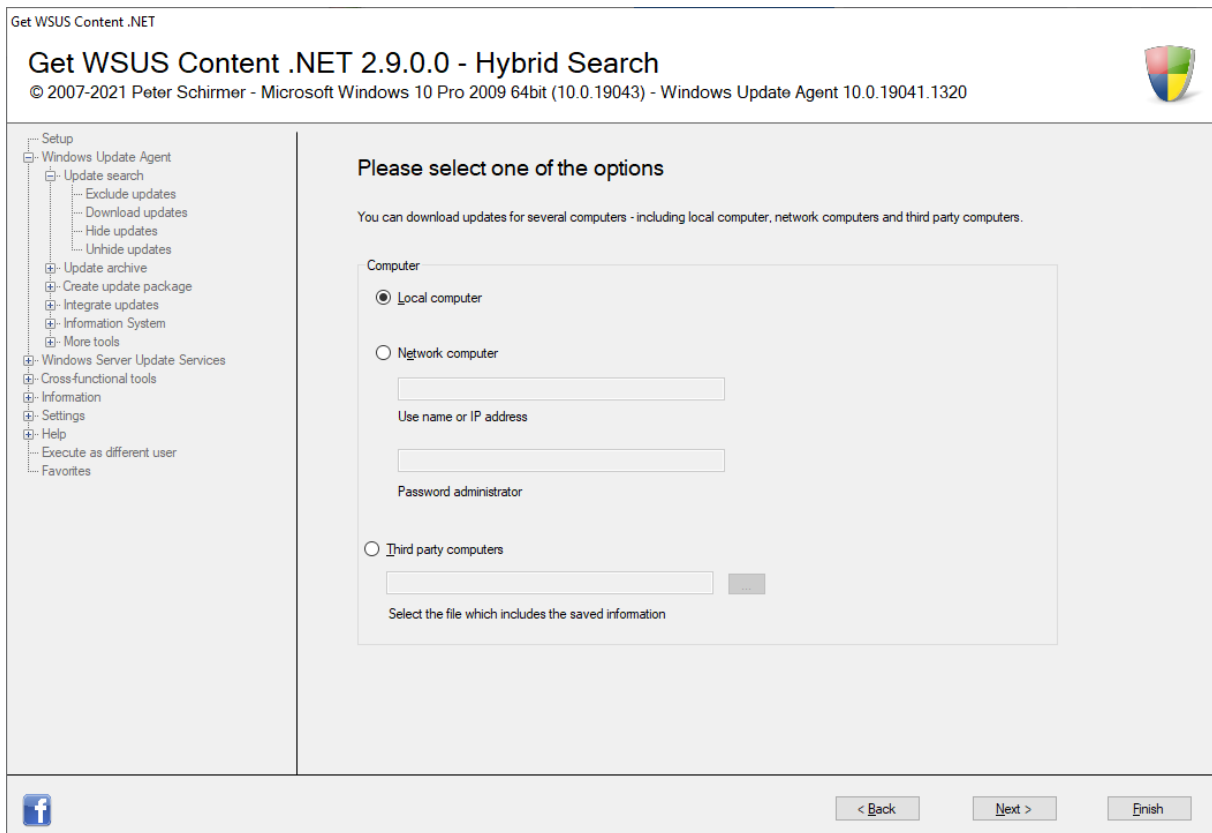
Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>	F6
<<	F7
<	F8

After clicking on "Next", the list is sorted in ascending order and saved.

3.4.1.1.2 Download updates

The updates that are relevant for a computer are downloaded with this task and saved in the personal update archive.



Sources to download updates

Local computer

The source for the updates is the computer on which Get WSUS Content .NET is running. It is scanned and the updates found are offered for download.

Network computer

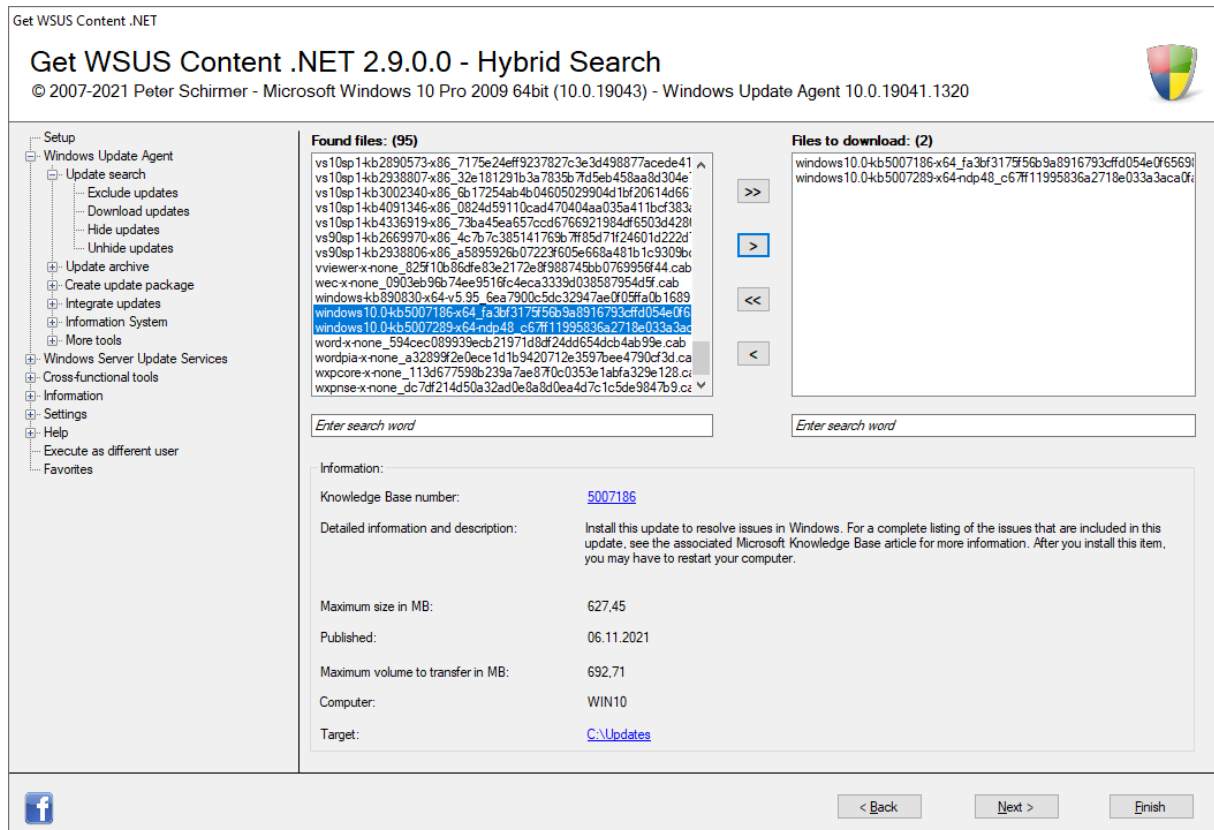
The source for updates is a computer in the network. Enter the name or IP address of the target computer. Then enter the password of the 'Administrator' account of the target computer to request permissions of the network computer to allow scanning. The network computer is scanned and the updates are offered for download. However, the network function is not available for the "Hybrid" and "Offline" modes, as Microsoft does not provide for this technically.

Third party computers

Get WSUS Content .NET can be run on a computer that does not have the necessary bandwidth to download the updates. Scan the foreign computer and then save its exchange file "Infos.txt" e.g. on a USB stick (cf. also Chapter 3.4.4.5).

Call Get WSUS Content .NET on the computer with the required bandwidth and then select "Foreign computers". Specify the file you saved previously.

Regardless of the selected source, the result of the examination appears after clicking on "Next". The subsequent steps are identical for all sources.



The result of the search (in the example the local computer)

On the left are all the files that have been detected and some information about the currently selected update. On the right, all files that can be selected via the buttons in the middle:

Button	Action
>>	Transmits all found updates for download
>	Transmits only the currently selected update for downloading
<<	Undoes the action
<	Undoes the action by selecting the update on the right-hand side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:


Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

Select the desired updates and click on "Next". A dialogue appears showing which updates are currently being downloaded.

Download 1 of 2: 2021-11 Cumulative Update for Windows 10 Version 21H1 for x64-based Systems (KB5007186)

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320




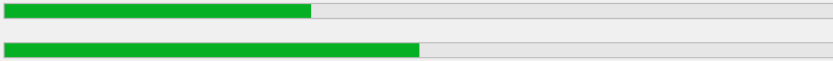
- Setup
 - Windows Update Agent
 - Update search
 - Exclude updates
 - Download updates
 - Hide updates
 - Unhide updates
 - Update archive
 - Create update package
 - Integrate updates
 - Information System
 - More tools
 - Windows Server Update Services
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Current download information

Download 1 of 2: 2021-11 Cumulative Update for Windows 10 Version 21H1 for x64-based Systems (KB5007186)

Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.

<https://support.microsoft.com/help/5007186>



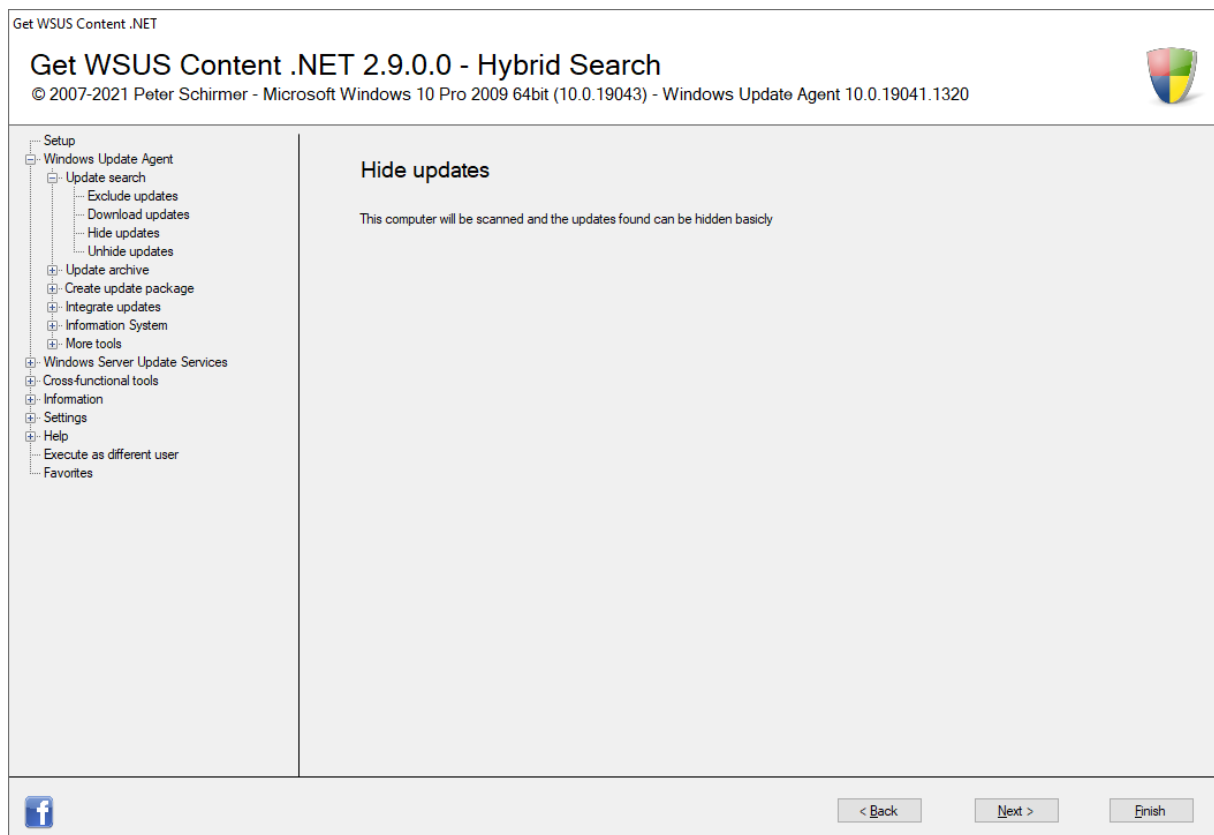
< Back Next > Finish

Ongoing download

The system then checks whether the files are damaged. If this is the case, it is recorded in the protocol. Once the task is completed, the selection dialogue for the individual sources for the download appears again.

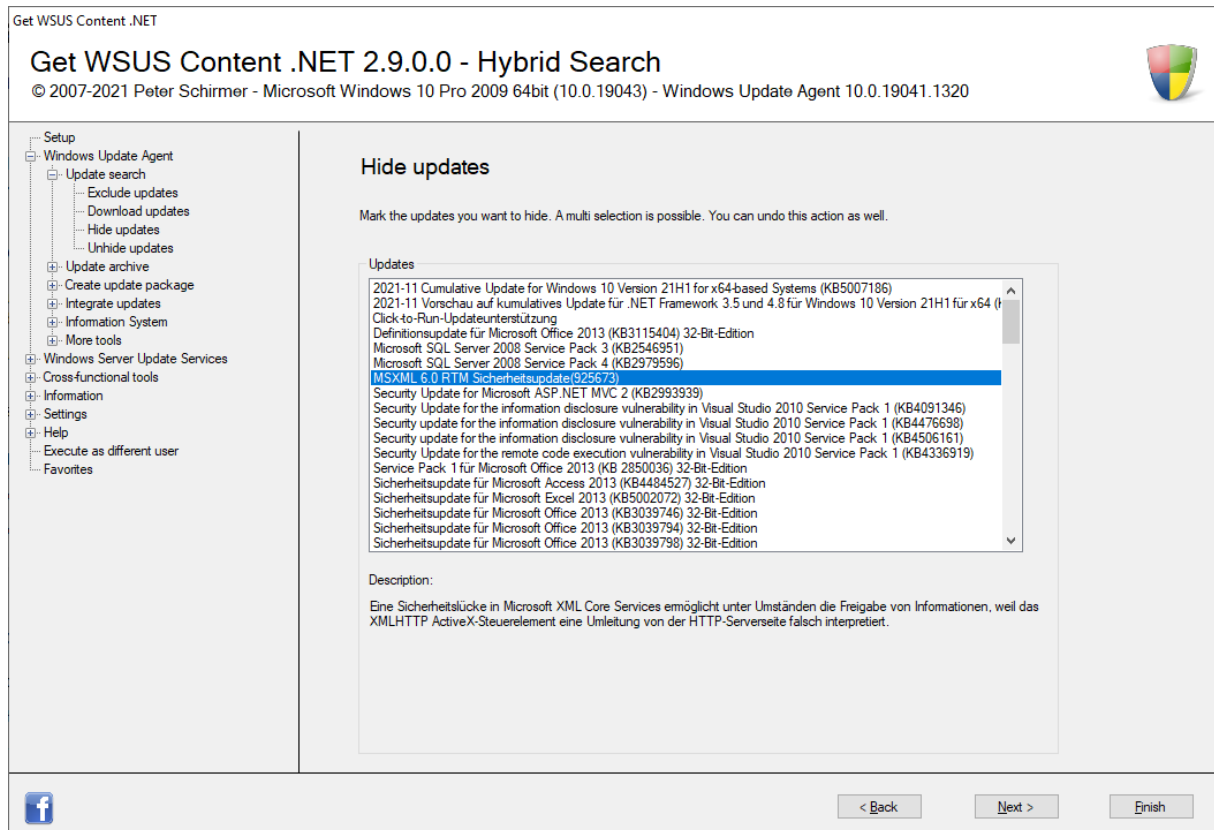
3.4.1.1.3 Hide updates

Microsoft provides updates that not every user wants installed. These include telemetry updates that send data about computer usage to Microsoft so that problems can be identified and fixed.



Initial screen

After clicking on "Next", the computer is examined and the updates found are listed.



The selection dialogue

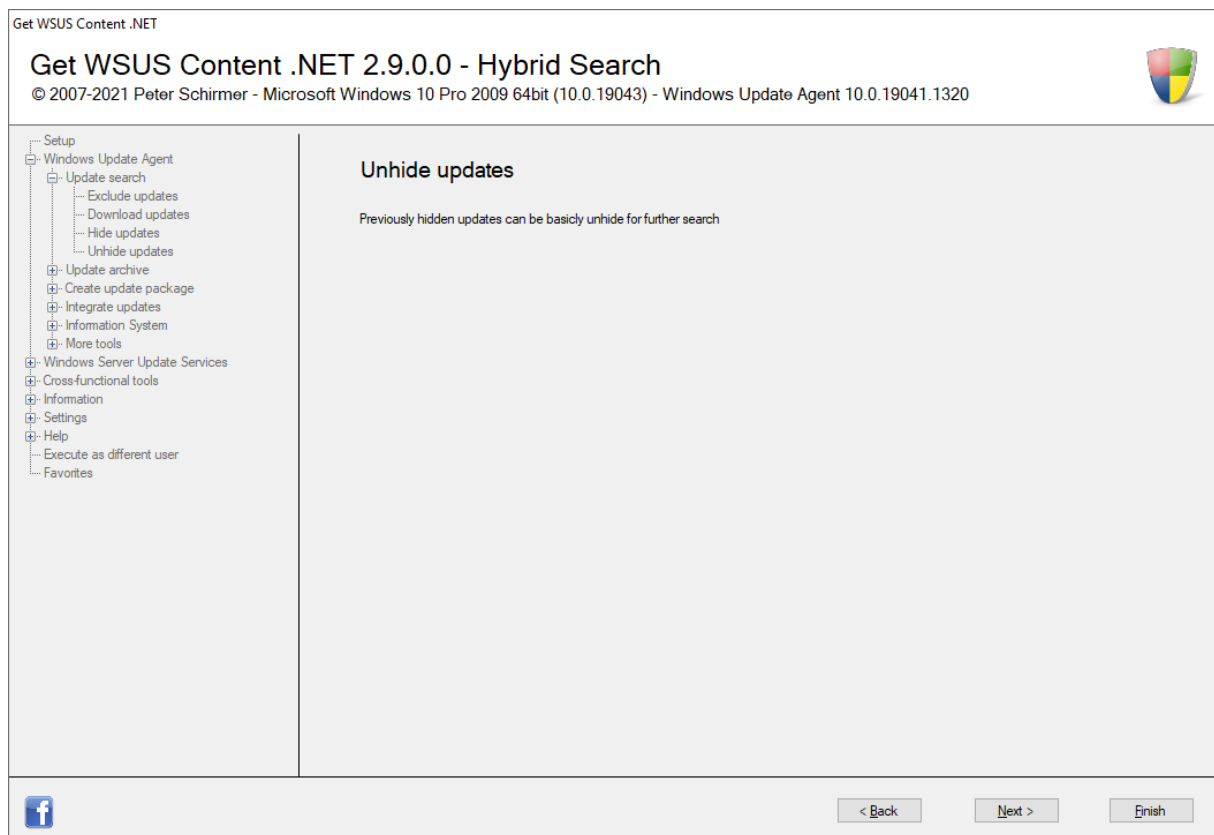
The dialogue shows the result of the search. Select the updates to be hidden and click on "Next". You can select several entries at the same time with the CTRL key.

This means that the selected updates are no longer included in the search.

This process can be undone via the task "Show updates" (cf. Chapter 3.4.1.1.4).

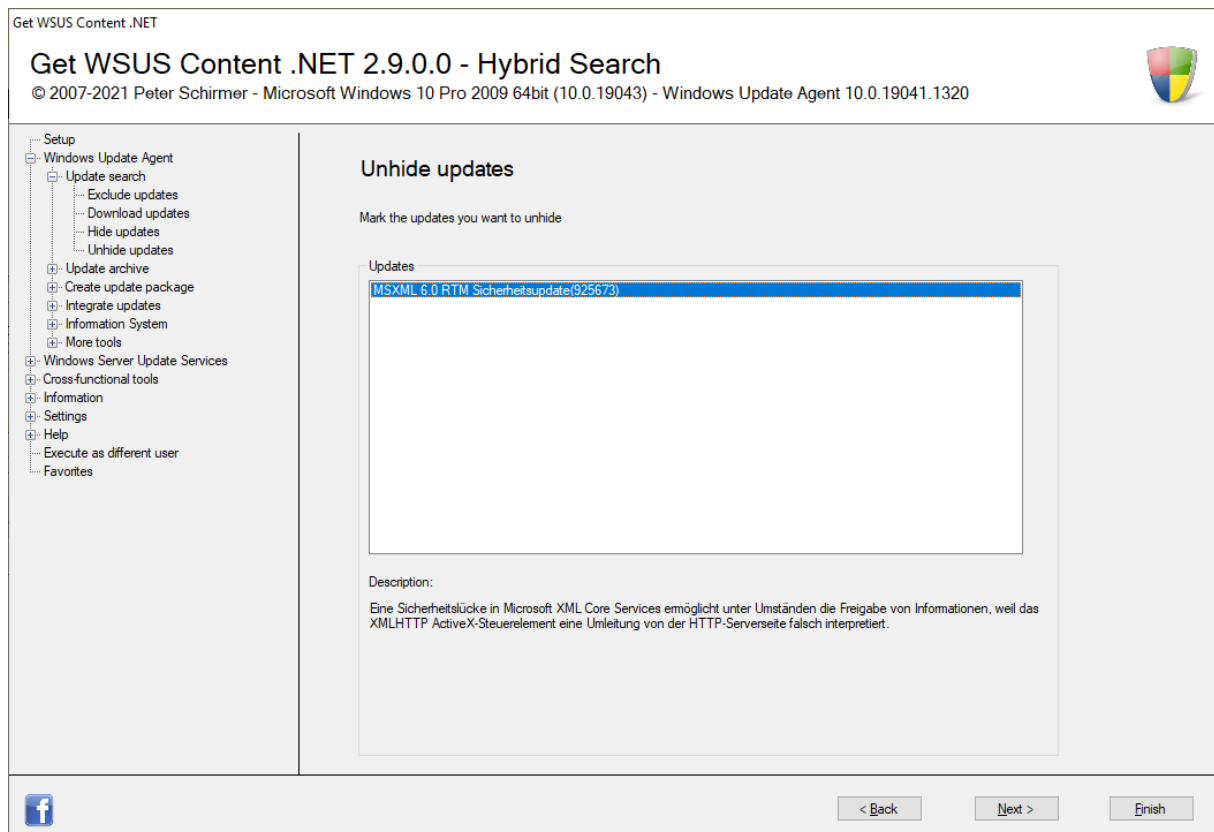
3.4.1.1.4 Unhide updates

Previously hidden updates can be shown again via this task and thus be included again in the update search.



Initial screen

Click on "Next" and the computer will be examined. Only hidden updates are listed.



The selection dialogue

After clicking on "Next", the entry is shown again and is available for selection in the task "Hide updates" or basically again.

3.4.1.2 Update archive

3.4.1.2.1 Gathering additional files

Updates that are delivered via Microsoft Update are automatically stored in the personal update archive. However, there are also updates that can only be obtained via the Microsoft update catalogue. These and updates from other manufacturers can be recorded and added to the personal update archive.

Capture

File

The file to be included in the personal update archive is selected first.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.
- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

Language

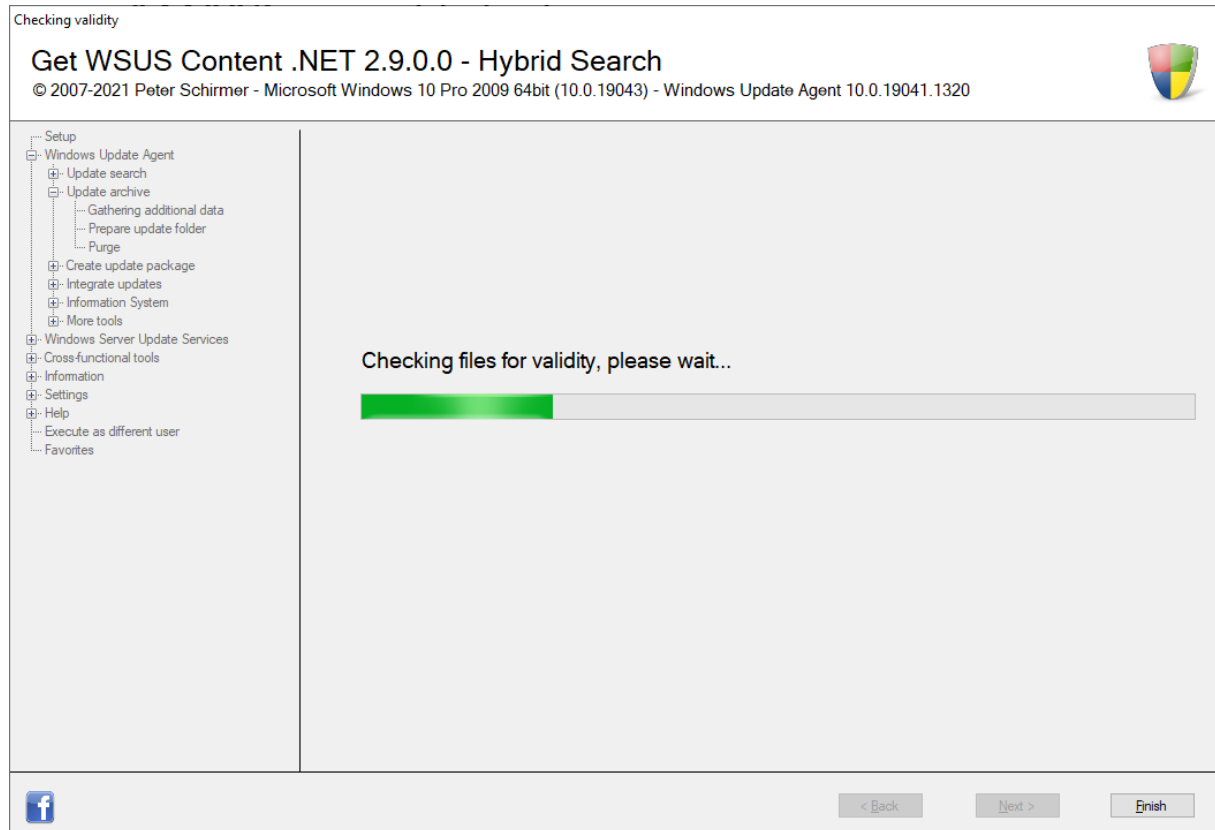
The update is assigned to a language so that it is installed under the correct system.

After clicking on "Next", the update is copied to the update archive and recorded.

3.4.1.2.2 Prepare update directory

Updates downloaded with Get WSUS Content .NET are stored in the personal update archive. Office updates are unpacked and all updates are checked for validity.

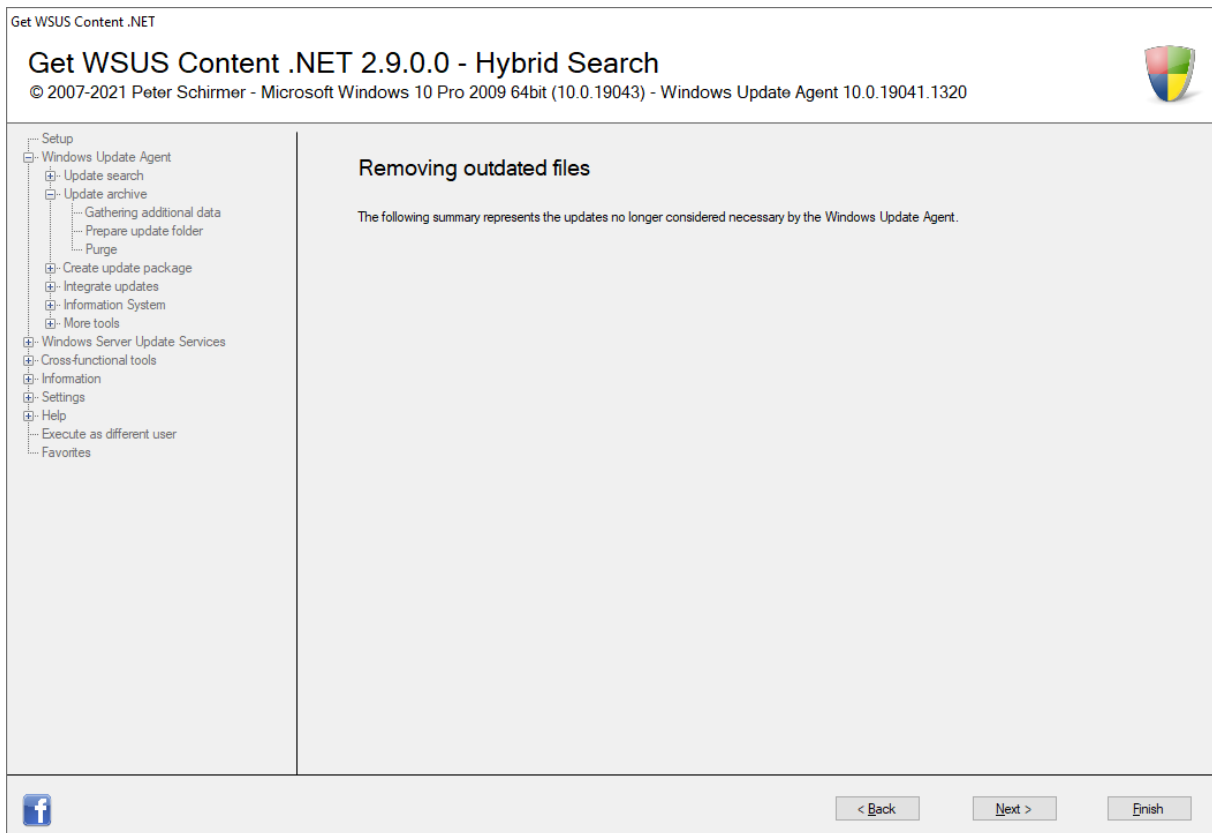
These steps are carried out automatically for the respective tasks - should there be any problems, the process can be started manually.



Preparation

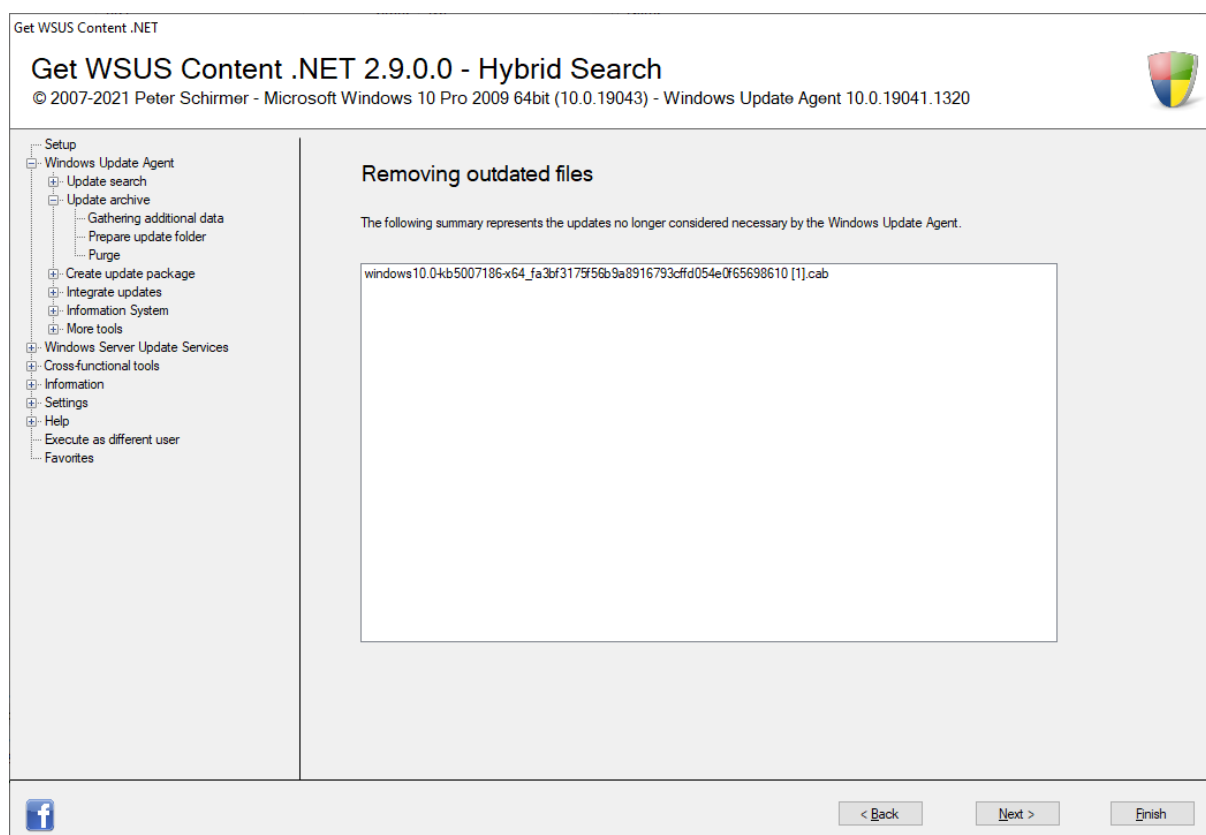
3.4.1.2.3 Purge

Updates are replaced by others or merged over time. The files that are then no longer needed can be found and deleted with this task.



Initial screen

The computer is examined and the currently valid updates are determined. These updates are then compared with the entries from the update archive (default: C:\Updates). Files that are no longer required are offered for deletion.



Listing of files that are no longer necessary

After clicking on "Next", the listed entries are deleted from the update archive (default: C:\Updates).

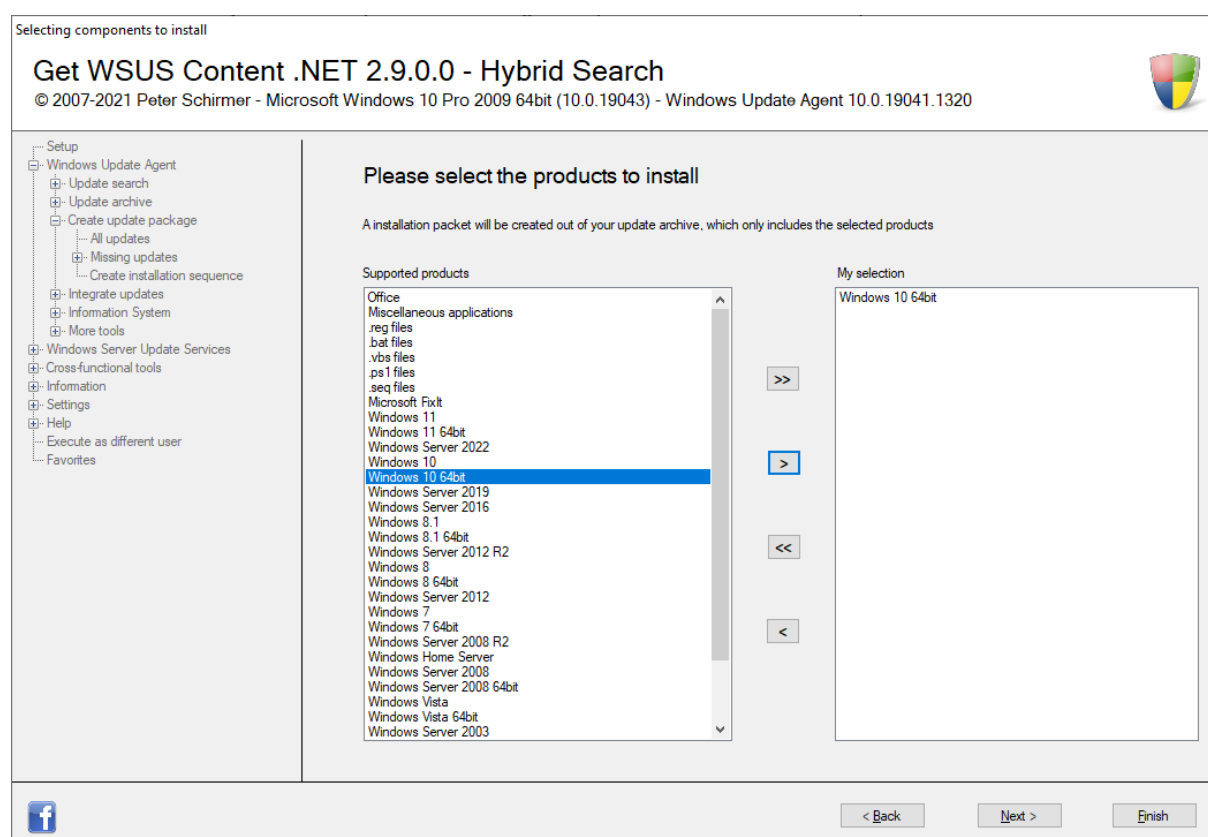
3.4.1.3 Create update package

Updates can be compiled into individual packages which can then be installed. An installer is supplied that silently installs the updates on the target computer. This means that the updates are installed without user intervention. This installation is done in ascending order by date, as there may be dependencies between the updates. If a sequence other than the date is to be used, an installation sequence must be created (cf. Chapter 3.4.1.3.3)

The updates that have been downloaded by the various tasks of the programme and - automatically or manually - recorded are available for selection. The selection of which updates are to be included in the package can be made according to various criteria.

3.4.1.3.1 All updates

This criterion allows a very wide selection. All products that Get WSUS Content .NET supports are available. Based on the selection made, the corresponding updates from the update archive are listed in the next step and the package is created.



Product selection

On the left are all the products and executables supported by Get WSUS Content .NET that can be included in the update package. On the right are the products that are selected via the buttons in the middle:

Button	Action
>>	Transfers all found products to the listing of the associated updates
>	Transfers only the currently selected product to the listing of the associated updates
<<	Undoes the action
<	Undoes the action by marking the product to the right

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

In addition to the various operating systems and Office, Get WSUS Content .NET supports the following executable file types:

File type	Explanation
.reg	Exports from the registry that are to be read in again on other computers
.bat	Classic batch file with DOS commands
.vbs	Visual Basic Scripts
.ps1	Powershell scripts
.seq	Sequence files that install updates in a very specific order
Miscellaneous applications	Updates to products that do not originate from Microsoft (third-party manufacturers)

After clicking on "Next", the files recorded in the update file and available in the update archive are determined and displayed in the selection dialogue.

Selection of files

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Installation type: From disk

Setup

- Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - All updates
 - Missing updates
 - Create installation sequence
 - Integrate updates
 - Information System
 - More tools
 - Windows Server Update Services
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Files found and already recorded:

vs10sp1-kb2549864-x86_13bcc68e12e86da8616fed03cb8b0cdf8^
vs10sp1-kb2565057-x86_03b095a5d3ef98336dfc2bb403ef81271e
vs10sp1-kb2635973-x86_402388470130a5a497b680f565718e780
vs10sp1-kb2645410-x86_0c3716da91c30a61d4c17747b03df2c7d
vs10sp1-kb2890573-x86_7175e24eff9237827c3e3d498877acde+
vs10sp1-kb2938807-x86_32e181291b3a7839b7fd5eb458aa8d304
vs10sp1-kb3002340-x86_6b17254ab4b04605029904d1bf20614d6
vs10sp1-kb3002340-x86_6b17254ab4b04605029904d1bf20614d6
vs10sp1-kb3002340-x86_6b17254ab4b04605029904d1bf20614d6
vs10sp1-kb4091346-x86_0824d59110cad470404aa035a411bfc38
vs10sp1-kb4336919-x86_73ba45ea657ccdf6765921984d66030442
vs90sp1-kb2669970-x86_4c7b7c385141769b7f85d71f24601d222
vs90sp1-kb2938806-x86_a5895928b07223f605e668a481b1c9309
windows10.0-kb5007186-x64_fa3bf317f56b9a8916793cfd054e0f656
windows10.0-kb5007253-x64_56eae3ea4ddb22105db274b6d903cd73
windows10.0-kb5007289-x64-ndp48_c67f11995836a2718e033a3aca

Enter search word

Information:

Source:
C:\Updates
Size in MB:
627.45
Created on:
06.11.2021 00:00:00
Description:
Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.

Files to copy:

windows10.0-kb5007186-x64_fa3bf317f56b9a8916793cfd054e0f656
windows10.0-kb5007253-x64_56eae3ea4ddb22105db274b6d903cd73
windows10.0-kb5007289-x64-ndp48_c67f11995836a2718e033a3aca

Enter search word

Information:

Total size in MB:
692.7
Number of selected files:
3

Back

Next >

Finish

Updates detected

On the left are all files that belong to the selected product and were found in the update directory. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found updates for copying
>	Transfers only the currently selected update for copying
<<	Undoes the action
<	Undoes the action by selecting the update on the right-hand side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

Click on "Next". Depending on the setting, either a USB stick is used after the process is completed or the installation starts from the hard disk, where an icon is created on the desktop (cf. options in Chapter 3.5.1). In both cases, start the update installation locally on the computer.

If, on the other hand, you have selected the option "Updates are installed on network computers" in the general options, you can install the updates without having to go to the computer yourself and make entries. The files are actively transferred to the target computer from the running computer.

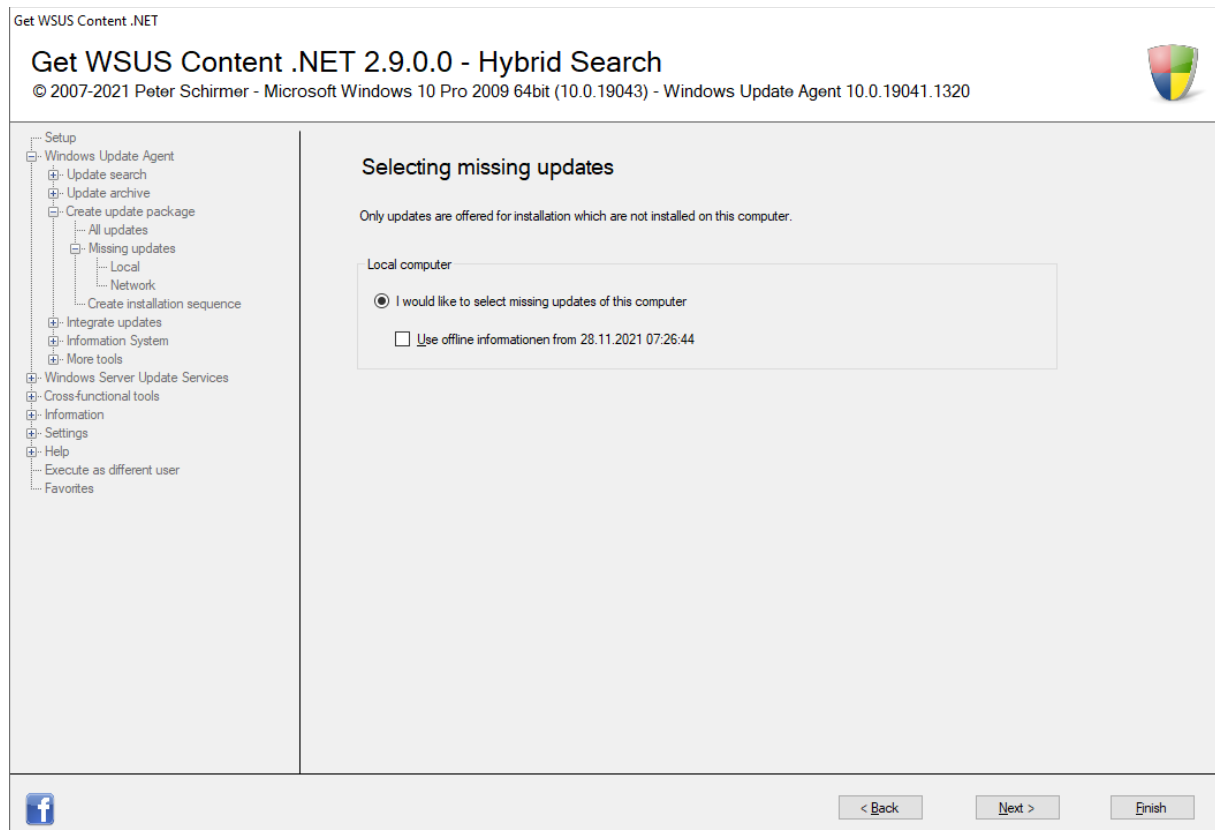
The installation type used is displayed in the programme header (in the example above: "Installation type: From hard disk").

3.4.1.3.2 Missing updates

This criterion for creating the update package focuses on updates that have not yet been installed. It can be selected whether the missing updates are determined for the computer on which Get WSUS Content .NET is running or a computer in the network.

3.4.1.3.2.1 Local

The computer on which Get WSUS Content .NET is running is scanned and the updates that have not yet been installed are listed.



Select source for the determination

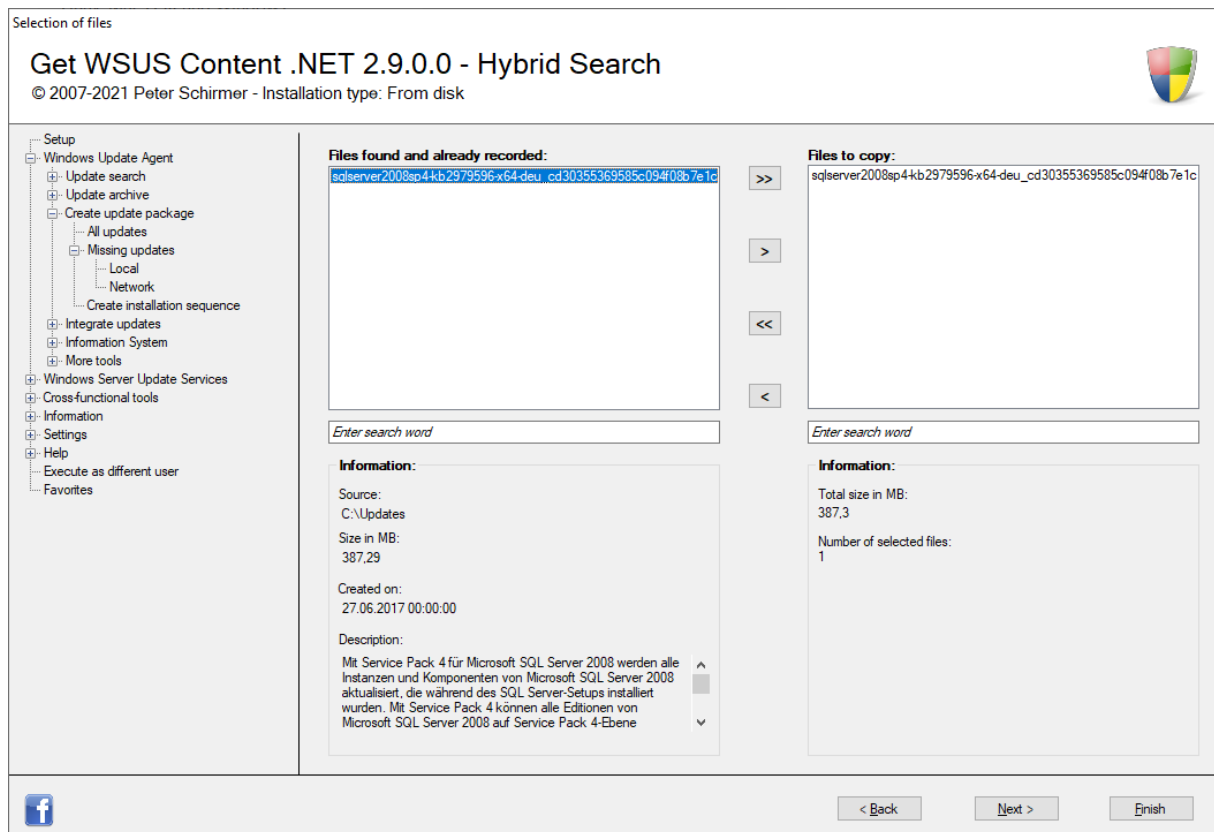
I would like to select missing updates of this computer

To determine the missing updates, this can be done online. I.e. the computer is scanned and the missing updates are offered for selection.

Use offline information from 28.11.2021 07:26:44

If the scan has already taken place, offline information can also be used. The status of the missing files detected can be seen in the checkbox. This does not scan the computer, but uses information that has already been saved.

After clicking on "Next", the missing updates are offered for selection.



Updates detected

On the left are all the files that have been identified as missing. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all missing updates for copying
>	Transfers only the currently selected missing update for copying
<<	Undoes the action
<	Undoes the action by selecting the update on the right-hand side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

Click on "Next". Depending on the setting, either a USB stick is used after the process is completed or the installation starts from the hard disk where an icon appears on the desktop (cf. options in Chapter 3.5.1). In both cases, start the update installation locally on the computer.

If, on the other hand, you have selected the option "Updates are installed on network computers" in the general options, you can install the updates without having to go to the computer yourself and make entries. The files are actively transferred to the target computer from the running computer.

The installation type used is displayed in the programme header (in the example above: "Installation type: From hard disk").

3.4.1.3.2.2 Network

Since Get WSUS Content .NET is network-compatible, missing updates can be detected from computers in the network.

Specify source

I would like to select missing updates of a network computer

The name of the computer or its IP address to be examined is expected.

Password administrator

Enter the password of the "Administrator" account of the target computer.

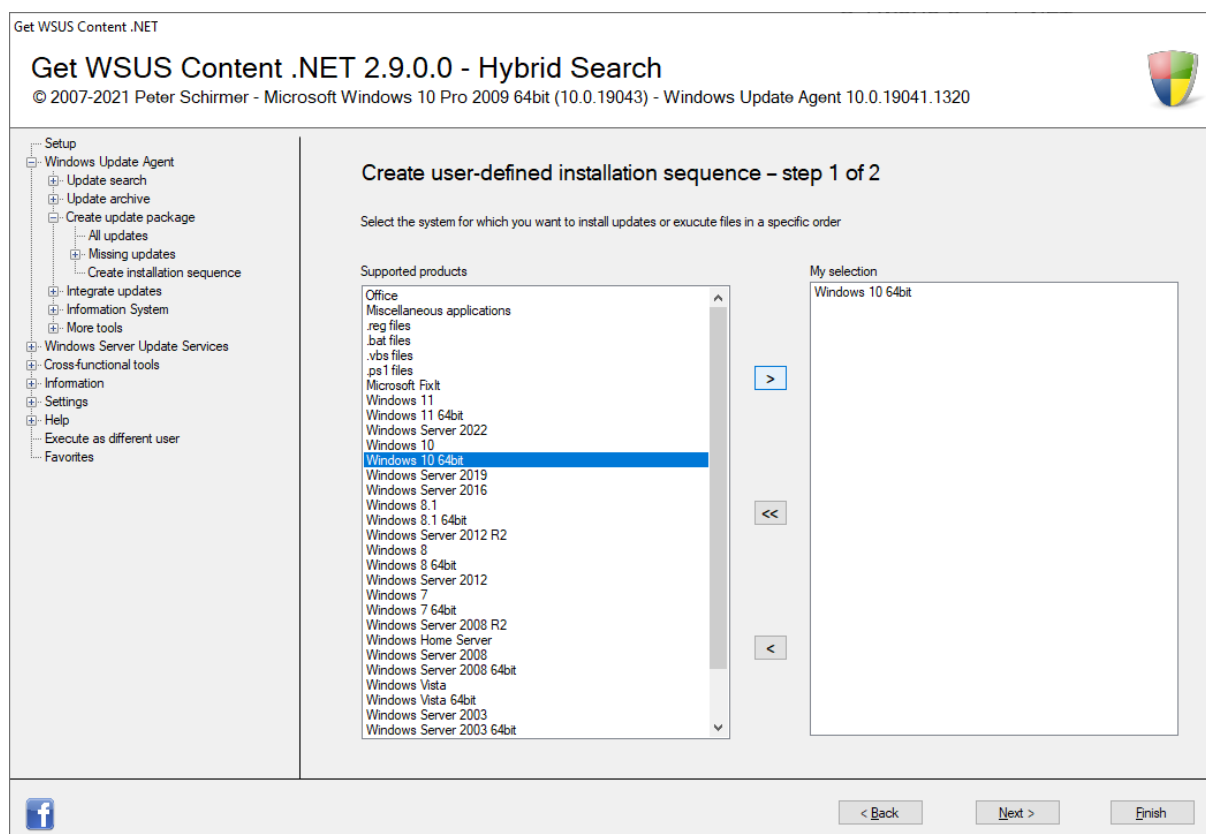
After clicking on "Next", the specified computer is examined and the missing updates are offered for selection. The operation is identical to that described in Chapter 3.4.1.3.2.1

3.4.1.3.3 Create installation sequence

In some situations it is necessary to install updates in a specific order. It is not sufficient to install updates in ascending order by date.

An example of this is the search for updates with the Windows Update Agent, on whose technology Get WSUS Content .NET is based. The search sometimes takes several hours - the solution to this is to install certain updates in a very specific order.

The download addresses for the corresponding files for Windows 7 32bit can be found in Chapter 6.2.1 and for Windows 7 64bit in Chapter 6.2.2



Selection of the products from which the sequence is to be created

On the left are all the products from which files are selected for the sequence. On the right are the products that are selected via the buttons in the middle:

Button	Action
>	Transfers only the currently selected product to the listing of the associated updates
<<	Undoes the action
<	Undoes the action by selecting the product on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>	F6
<<	F7
<	F8

After clicking on "Next", the updates recorded in the update file are determined and displayed in the selection dialogue.

Create sequence

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320

Setup

- Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - All updates
 - Missing updates
 - Create installation sequence
 - Integrate updates
 - Information System
 - More tools
- Windows Server Update Services
- Cross-functional tools
- Information
- Settings
- Help
- Execute as different user
- Favorites

Create user-defined installation sequence – step 2 of 2

Transfer the desired updates from the left and therefore determine the order on the right side

Files referred to selection

- vs10sp1-kb2645410-x86_0c3716da91c30a61d4c17747b03e
- sqlserver2008sp3-kb2546951-x64-deu_797ad9fd22ceab68f
- vs10sp1-kb2890573-x86_7175e24eff9237827c3e3d498877
- vs90sp1-kb2938806-x86_a5895926b07223f605e666a481b1
- vs10sp1-kb2938807-x86_32e181291b3a7839b7d5eb458aa
- sqlserver2008sp4-kb2979596-x64-deu_cd30355369583c094
- vs10sp1-kb4336919-x86_73ba45ea657c0d6766921984df65
- vs10-kb4476698-x86_4db243a226de0b5ac80b0d99bc6b1a
- vs10sp1-kb4091346-x86_0824d59110cad47040aa035a41
- vs10-kb4506161-x86_11e1f5e1fc0b34a657015949794e59c
- Install.exe
- windows10.0-kb5007186-x64_fa3bf3179f56b9a8916793cfd054
- windows10.0-kb5007289-x64-ndp48_c67ff11995836a2718e
- windows10.0-kb5007253-x64_56eae3ea4ddb22105db274b6d9

Order

- windows10.0-kb5007186-x64_fa3bf3179f56b9a8916793cfd054
- windows10.0-kb5007289-x64-ndp48_c67ff11995836a2718e
- windows10.0-kb5007253-x64_56eae3ea4ddb22105db274b6d9

Enter search word

Enter search word

Recordset to be stored

File: Win10_x64_Updatesearch

Language: Deutsch (Deutschland)

Installation phase: Update

Description: Installationsequence for demonstration purposes

< Back

Next >

Finish

Creation of the sequence

The files found in the update archive are listed on the left-hand side. They are transferred to the right-hand side via the buttons in the middle:

Button	Action
>	Transfers the marked file to the right side
<<	Removes all entries on the right side
<	Removes the update marked on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

The updates specified on the right-hand side are installed exactly in this order.

File

Specifies the file name for the sequence file.

Language

The sequence file is assigned to a language of the target system.

Installation phase

Sequence files follow the three-phase model. Get WSUS Content .NET distinguishes three phases, each separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.
- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

Description

Finally, the description for the sequence file is given. This description is visible when the sequence file is selected and later installed.

Click on "Next" to save the sequence.

The .seq files can be selected for installation (cf. Chapter 3.4.1.3.1) and all files listed therein including the offline installer are automatically provided.

3.4.1.4 Integrate updates

3.4.1.4.1 Windows

Since Windows Vista, the setup is based on hard disk images that are transferred to the computer. The downloaded updates can be integrated into this image so that they are taken into account directly during the installation. Subsequent installation of these updates via Windows Update is therefore no longer necessary.

Source of the product DVD

I would like to copy the product DVD to the hard disk

The source files are copied from the product DVD to the update directory (default: C:\Updates\DVD) for further processing.

The product DVD has been already copied to hard disk

If the product DVD has already been copied, Get WSUS Content .NET automatically detects this and selects this option.

I would like to use the product DVD from a folder

If the product DVD is available as an unpacked ISO image, this directory is used as the source and the files are copied to the update directory.


In addition, a designation is to be assigned. If a bootable DVD is created later, the DVD will bear this name.

After clicking on "Next", the files from the selected source are copied into the update directory.

Manage image

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Mount folder: C:\Updates\Mount



- Setup
 - Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - Integrate updates
 - Windows
 - Office
 - Information System
 - More tools
 - Windows Server Update Services
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Edit Windows Image

Select the Windows Image you want to edit and perform one of the listed tasks

Tool

☒ I do not want to use the WADK

☐ I would like to use the WADK

WADK:

Path:

Where can I get/download the WADK?

Tasks and sources

Tasks:

Image:


Index: [Which index I've got to select?](#)

Updates:

Driver:

Path:

Search term:



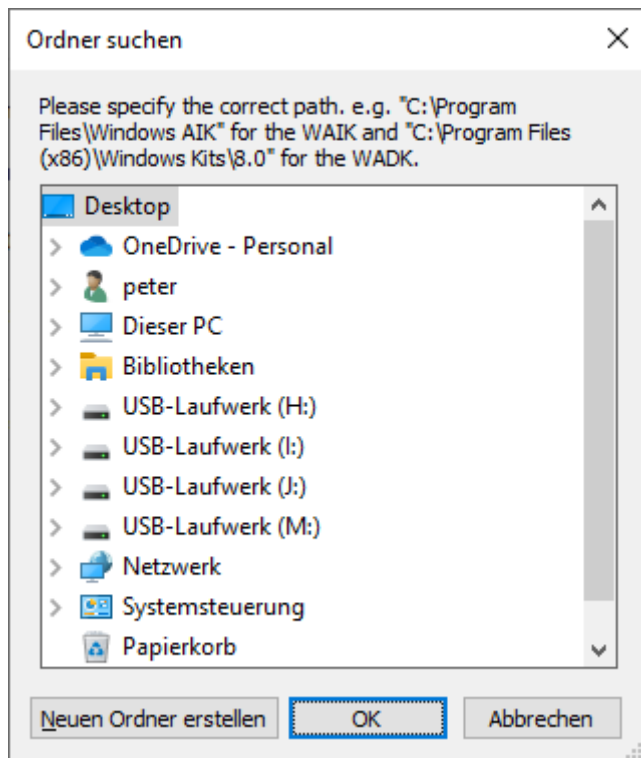
Possibilities for editing the image

I do not want to use the WADK

Since most of the tools required for this are already included in Windows since Windows 8 and higher, the WADK is only necessary if a bootable DVD is to be created.

I would like to use the WADK

Enter the path to the WADK or WAIK (up to and including Windows 7). The following dialogue appears in which you specify the path (default: C:\Program Files (x86)\Windows Kits\10):



Path selection

Note that in German C:\Program Files is displayed as C:\Programmes. Click on "OK".

WADK

Select the WADK to match your system.

Path

The path is entered automatically after selecting the folder.

Where can I download the WADK?

Depending on the system for which you have selected the WADK or WAIK, you can download the installation package from the Microsoft website.

Task

Select one of the tasks that will be applied to the image.

Image

The image that is being edited.

Index

Due to the architecture of the images, they are numbered. For example, a Windows 7 DVD purchased from a retailer contains both the Home version and the Pro version. Windows 7 Home has index 1 and the Pro version index 2.

The index is important because the maintenance of the image always refers to this one index only. I.e.: If, for example, updates are to be integrated into both the Home and the Pro version, all procedures must be carried out twice. Each separately for the respective image.

Which index I've got to select?

Lists which index belongs to which image.

Updates

Specifies the path for the integration of updates. It is automatically ready for input for the action in question and contains the path to the update directory as a suggestion (default: C:\Updates).

Driver

Specifies the path for integrating drivers. It automatically becomes ready for input for the action in question.

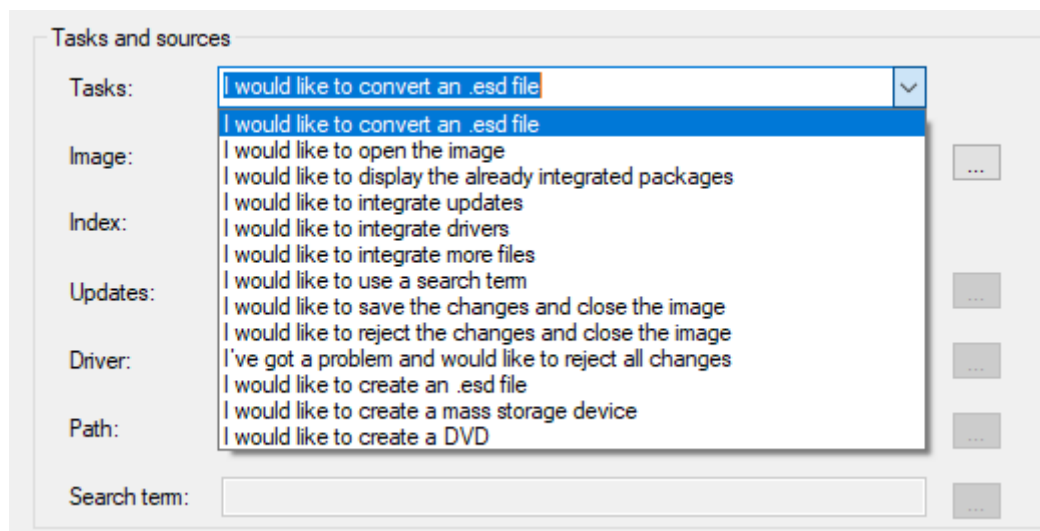
Path

Specifies the path for the integration of further files and updates. It automatically becomes ready for input for the action in question.

Search term

If only certain updates are to be integrated, these can be specified. It is sufficient to enter a part of the file name without specifying wildcards such as * or ?. The files that apply to the entry are integrated. The field automatically becomes ready for input for the action in question.

The following tasks are available for the maintenance of the image. The input fields required for this, such as updates, drivers, etc., depend on the selected task and are only then ready for input.



Possibilities for editing the image

I would like to convert an .esd file

Since Windows 8, the setup images are no longer delivered as a .wim file by default, but as a more compressed .esd file. However, .esd files cannot be edited directly - they must first be converted into a .wim file. Using the function "I want to create an .esd file" (see below), the image can be compressed again.

I would like to open the image

The image can only be maintained if it has been opened. The image is made available in the mount folder (default: C:\Updates\Mount).

I would like to display the already integrated packages

To get an overview of which packages and updates are already in the image, use this option.

I would like to integrate updates

This option integrates the updates that belong to the operating system on which Get WSUS Content .NET is currently running. If the programme is executed under Windows 10, only the files belonging to Windows 10 are integrated. If updates have been excluded from this (see Chapter 3.4.1.1.1), the integration of the corresponding files is skipped.

I would like to integrate drivers

This option integrates drivers that have been extracted with other software - e.g. Device Remover. Specify the path and the relevant drivers in the form of .inf files are integrated.

I would like to integrate more files

Some updates are provided exclusively via the Microsoft Update Catalog. Nevertheless, these files can be integrated. Specify the path to these files and they will be inserted into the image.

I would like to use a search term

Specific files can be included. The update archive is searched for files that contain the entered characters in the file name. It is not necessary to enter wildcards such as * or ? is not necessary.

I would like to save the changes and close the image

Once all the desired changes have been made, the image is closed and the changes saved.

I would like to reject the changes and close the image

If the changes are not to be adopted, they are simply discarded.

I've got a problem and would like to reject all changes

If there are problems maintaining the image, this task should be selected. It discards the changes and deletes the mount directory (default: C:\Updates\Mount).

I would like to create an .esd file

To save storage space, the image can be compressed more.

I would like to create a mass storage device

Get WSUS Content .NET offers the possibility to create an updated setup stick from a product DVD that is also UEFI-compatible. Its use is explained in chapter 3.5.4

Note: Once you have created the SUB-Stick, click on "Back" to return to this overview.

I would like to create a DVD

Creates a bootable product DVD. The prerequisite for this is the selection of the WADK under "Tools".


3.4.1.4.1 Office

In addition to Windows, updates can also be integrated into Microsoft Office DVDs. These are automatically taken into account and installed during setup. This applies to stand-alone Office versions, not to Office 365 or Microsoft 365.

Preparation

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320



- Setup
 - Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - Integrate updates
 - Windows
 - Office
 - Information System
 - More tools
 - Windows Server Update Services
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Copy Office product DVD

The product DVD is the installation media from which the software will be installed

Physical media available

☒ I would like to copy the product DVD to hard disk

☐ The product DVD has already been copied to hard disk

Physical media not available

☐ I would like to use the product DVD from a folder

Select the folder which includes the product DVD


Description of the product DVD, e. g. Office 12

Category of the Office product

Bit version

☒ I'm using the 32bit version

☐ I'm using the 64bit version



Source of the product DVD and details

I would like to copy the product DVD to hard disk

The source files are copied from the product DVD to the update directory (default: C:\Updates\Office) for further processing.

The product DVD has already been copied to the hard disk

If the product DVD has already been copied, Get WSUS Content .NET automatically detects this and selects this option.

I would like to use the product DVD from a folder

If the product DVD is available as an unpacked ISO image, this directory is used as the source and the files are copied to the update directory.

In addition, the name for the subsequent Office DVD is to be assigned.

Also select the category of the Office product: Office 2007 or Office 2010 and higher. This information is important because Microsoft has changed the structure of the DVD and thus the source for the automatic update installation.

Finally, it must be determined whether Office is used in the 32bit or 64bit version. The information can be found in the settings of the Office products. By default, Office is installed as a 32-bit version - the setup for the 64-bit version, however, must be started explicitly.

Finally, click on "Next". The Office DVD is copied, then the updates and finally the updated DVD is created.

3.4.1.5 Information system


3.4.1.5.1 Update information

Detailed information on each individual update found can be retrieved.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Current information: 28.11.2021 07:53:41



- Setup
 - Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - Integrate updates
 - Information System
 - Update information
 - Report
 - More tools
- Windows Server Update Services
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Show update informationen

Please specify a KB number. The appropriate information will be displayed.

Selection

KB-Number: [Sort in ascending order](#)

Selected computer: [Refresh information](#)

Password administrator:

Enter KB-Number:

Information

Title: 2021-11 Cumulative Update for Windows 10 Version 21H1 for x64-based Systems (KB5007186)

Description: Install this update to resolve issues in Windows. For a complete listing of the issues that are included in this update, see the associated Microsoft Knowledge Base article for more information. After you install this item, you may have to restart your computer.


Degree of difficulty: Critical

Published: 06.11.2021

Installed: Yes

Product: Windows 10, version 1903 and later

Class: Security Updates



Information about an update

KB number

The determined KB numbers are entered automatically. Select a KB number and the information is displayed. You can also sort the KB numbers in ascending order by clicking on "Sort in ascending order".

Selected computer

The information displayed is valid for the named computer. You can update the information by clicking on "Refresh information". If the entry corresponds to the computer name on which Get WSUS Content .NET is running, the information for this computer is determined. Otherwise, this name is interpreted as the network computer and the information for the network computer is determined. To do this, enter the password of the "Administrator" account of the target computer.

Enter KB number

You can also specifically enter a KB number and then press the "Enter" key. The information for the entered KB number is then displayed.

3.4.1.5.1 Report

The "Report" task can be used to display an overview of the update status of the current computer or a network computer.

Selection of the target computer

I would like to create a report for this computer

If the computer on which Get WSUS Content .NET is running is to be examined, select the first option.

I would like to create a report for a network computer

If a report is to be determined for a network computer, enter the name or the IP address and the password of the "Administrator" account of the target computer.


After clicking on "Next", the information is determined and the display is identical for both options.

Information about the KB number, the title, the installation status, the update file and whether it has already been downloaded as well as other information is displayed.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320




- Setup
 - Windows Update Agent
 - Update search
 - Update archive
 - Create update package
 - Integrate updates
 - Information System
 - Update information
 - Report
 - More tools
- Windows Server Update Services
- Cross-functional tools
- Information
- Settings
- Help
 - Execute as different user
 - Favorites

Information for WIN10 (1 updates)

The report below shows the most important data

KB-Number	Title	Installed	File	Present	Download URL	Published	Computer
2979596	Microsoft SQL ...	No	sqlserver2008s...	Yes	http://downloa...	27.06.2017	WIN10

[I want all missing updates to be shown](#)
[I want all new updates from this month to be shown](#)
[I want all updates to be shown](#)


< Back
Next >
Finish

The result

By default, Get WSUS Content .NET displays the updates that have not yet been installed on the system under examination. The following lists can be created via the links in the lower area:

I want all missing updates to be shown

The default display when the task is called up for the first time.

I want all new updates from this month to be shown

The updates from the current month are displayed. The installed and missing updates are displayed at the same time.

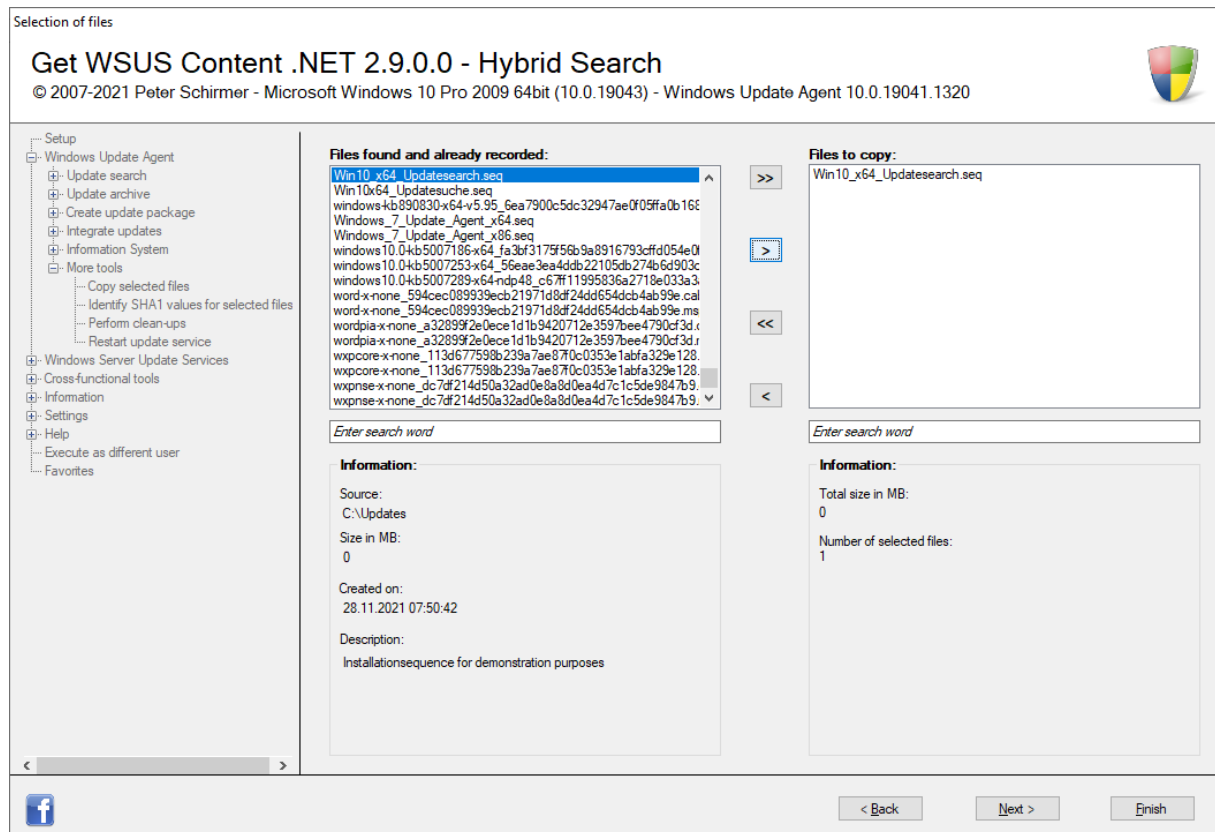
I want all updates to be shown

A list of all updates that have been determined for the computer in question is listed.

3.4.1.6 More tools

3.4.1.6.1 Copy selected files

All downloaded, unpacked for further use and internal programme files are stored in the update directory (default: C:\Updates). These files can be copied individually from the directory.



The contents of the update directory (default: C:\Updates)

On the left, all files contained in the update directory are shown. On the right, all files that are selected via the buttons in the middle:

Button	Action
>>	Transfers all found files for copying
>	Transfers only the currently selected file for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right.

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

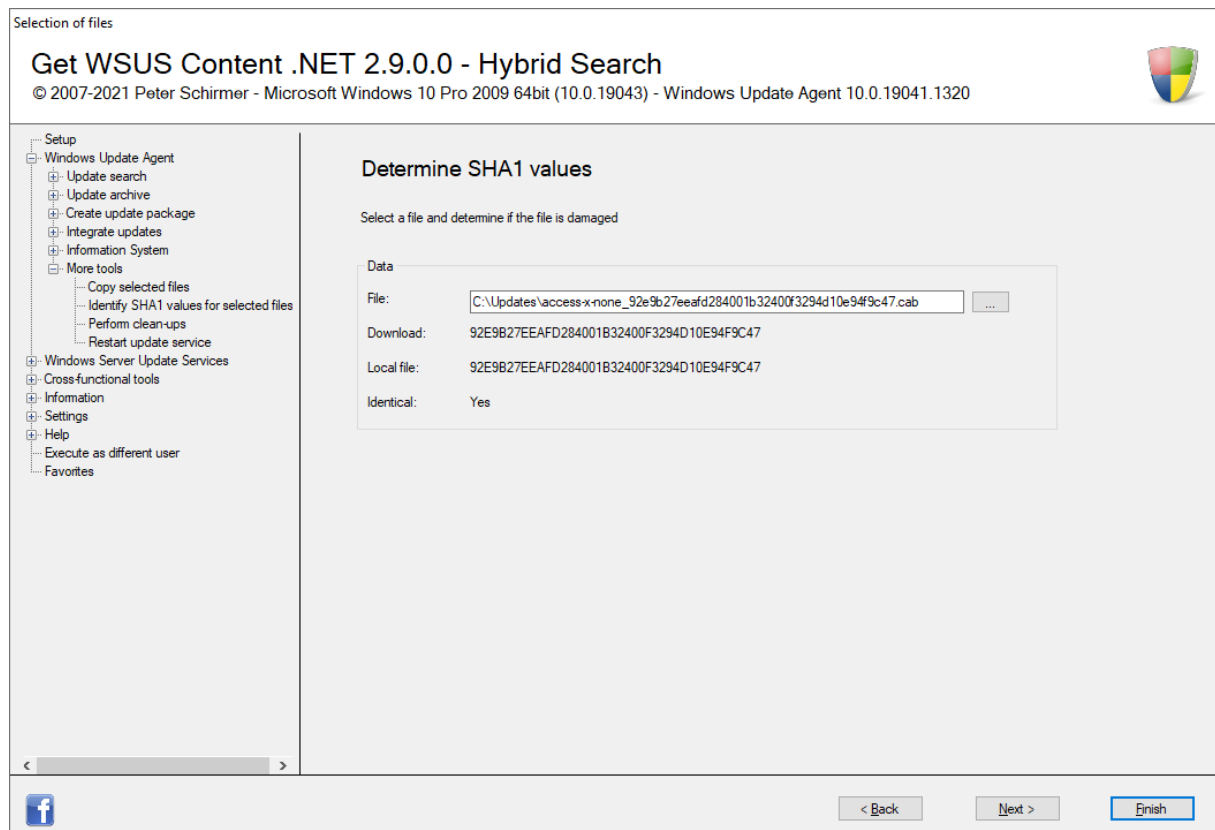
Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the files are copied and the directory is opened in the Explorer.

3.4.1.6.2 Determine SHA1 values for selected files

Files delivered by Microsoft via Windows Update or Microsoft Update can be checked for corruption by determining and comparing the SHA1 value again.



Comparison of the SHA1 value of a file

File

The file whose SHA1 value is to be checked.

Download

The SHA1 value communicated by Microsoft.

Local file

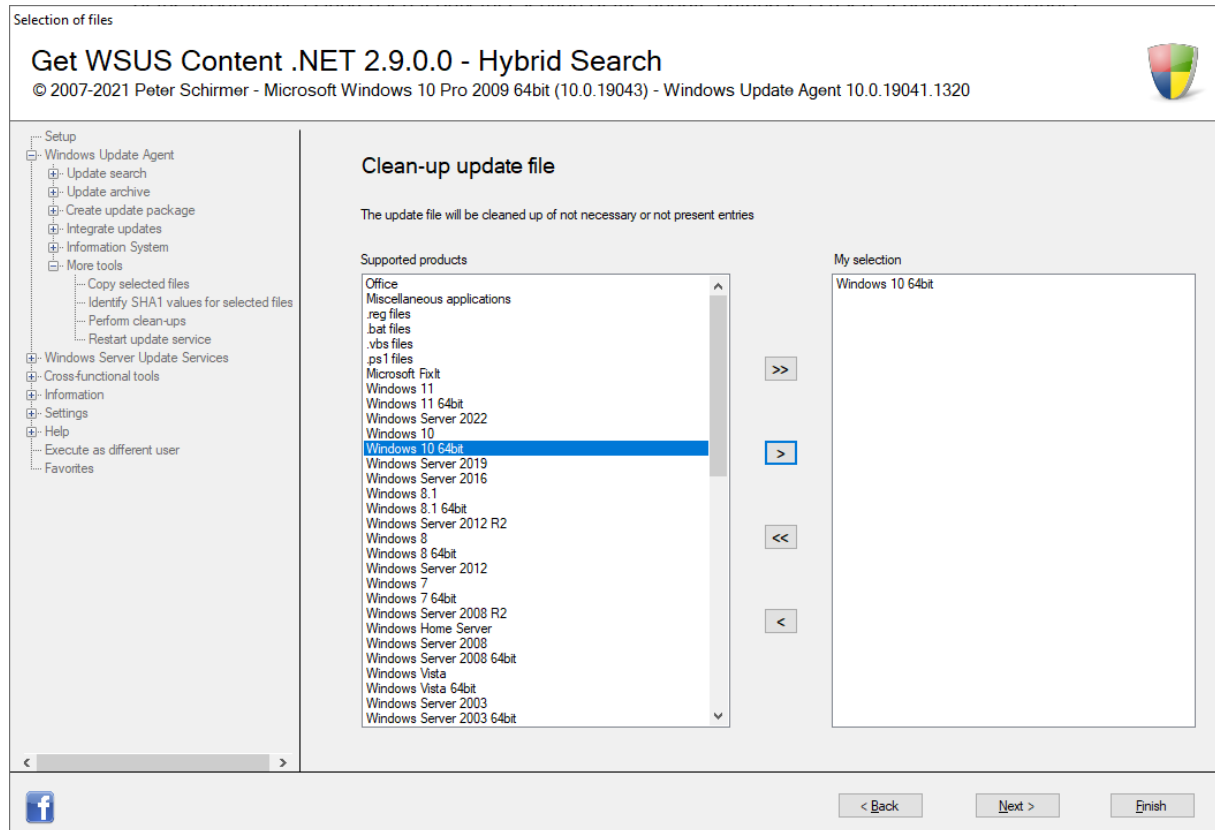
The SHA1 value determined after clicking on "Next".

Identical

If the SHA1 value determined is identical to the value communicated by Microsoft, it says "Yes", otherwise it says "No".

3.4.1.6.3 Perform cleanup

The update database supplied with Get WSUS Content .NET contains entries with installation parameters for various operating systems and products. If only a few of these are used, the processing speed of the programme is increased if only this section of the update database is used. If additional products are used later, they are automatically appended.



Selection of the products to be included in the list

On the left, all products are shown that are contained in the database or are supported by Get WSUS Content .NET. On the right, all products that are selected via the buttons in the middle:

Button	Action
>>	Transfers all products for further processing
>	Transfers only the currently selected product for further processing
<<	Undoes the action
<	Undoes the action by selecting the product on the right side

Several products can be marked while the "CTRL" key is pressed simultaneously.

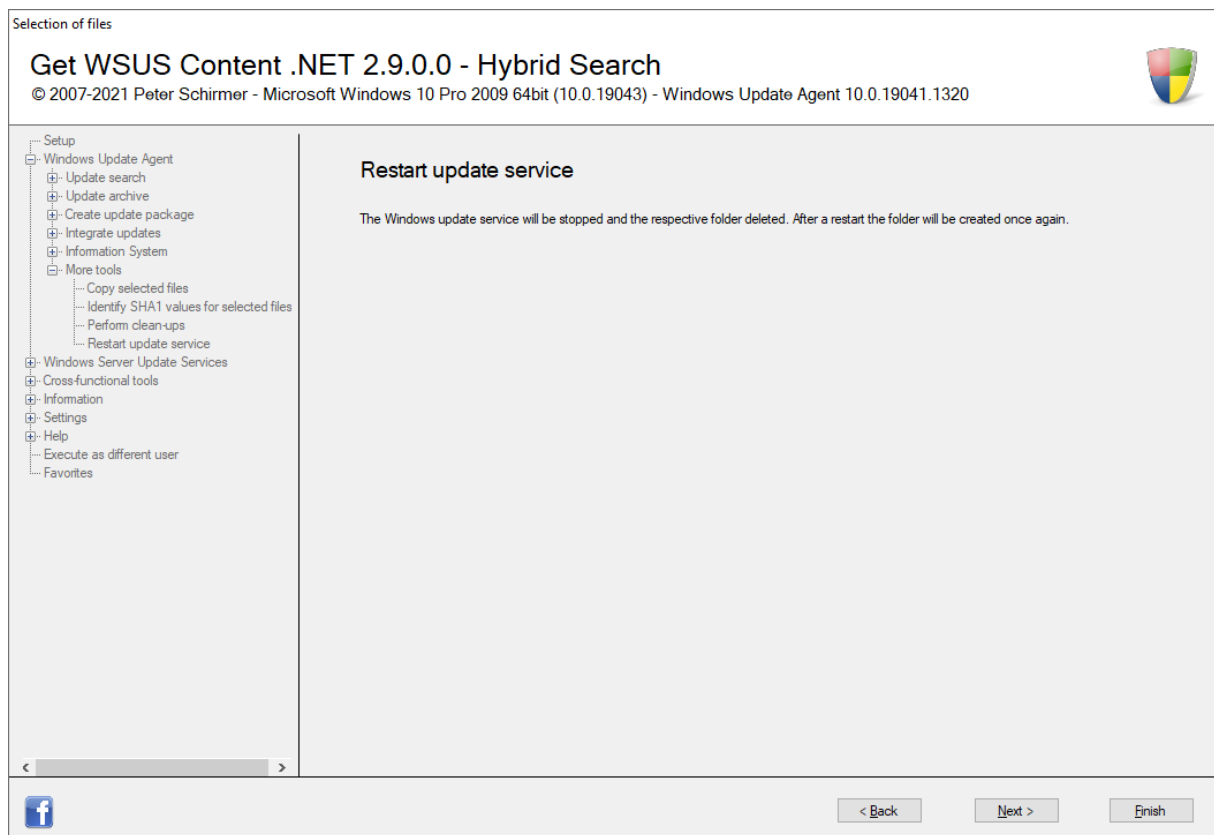
Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

Select the products you want to limit yourself to. Then click on "Next". The system checks which files are in the update archive for the selected products. These are then listed in the database.

3.4.1.6.4 Restart update service

In some cases it may be useful to stop and restart Windows Update. This is done in a certain order, which Get WSUS Content .NET takes over independently.



Initiate a restart of the update service

Click on "Next". Get WSUS Content .NET stops the services and deletes the "SoftwareDistribution" directory in the Windows folder (default: C:\Windows\SoftwareDistribution). The services are then restarted and the directory is recreated without the previous content.

Finally, Get WSUS Content .NET informs about the completion of the task.

3.4.2 Windows Server Update Services

If Get WSUS Content .NET is run on a WSUS server, this is automatically detected and the programme suggests extracting updates via the KB numbers as a standard task.

3.4.2.1 Extract updates

There are several ways to extract updates from the WSUS server and store them for further processing.

3.4.2.1.1 KB numbers

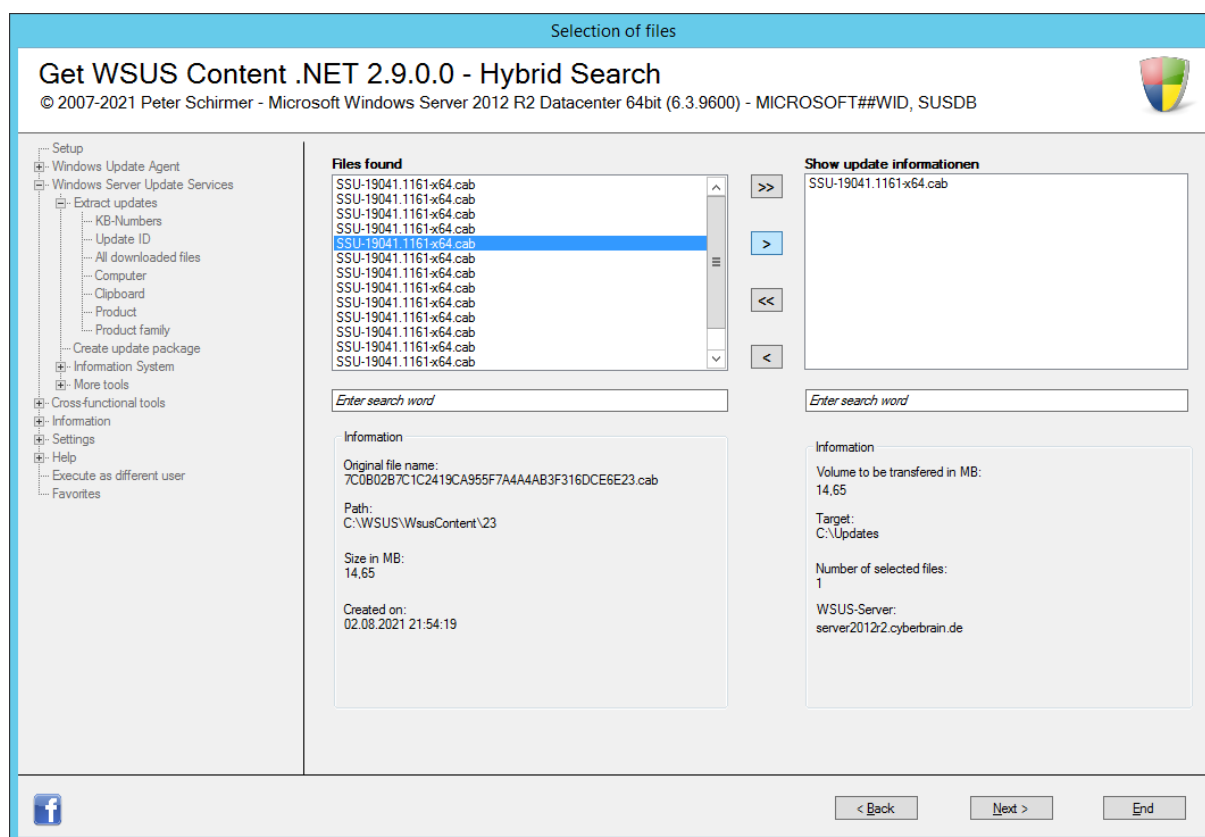
Each update is assigned a KB number or one KB number can contain several updates.

Entering a KB number

Knowledge Base Article number

The KB number for which the files are to be searched. It is checked whether it is a numerical value.

After clicking on "Next", Get WSUS Content .NET will query the WSUS database and the updates found will be offered for copying.



The identified, assigned files

On the left are all files assigned to the KB number. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found files for copying
>	Transfers only the currently selected file for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

Click on "Next" and the selected files are copied to the update directory (default: C:\Updates). Afterwards, the registration takes place.

Acquisition of the selected file

File

The path to the file must be selected.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

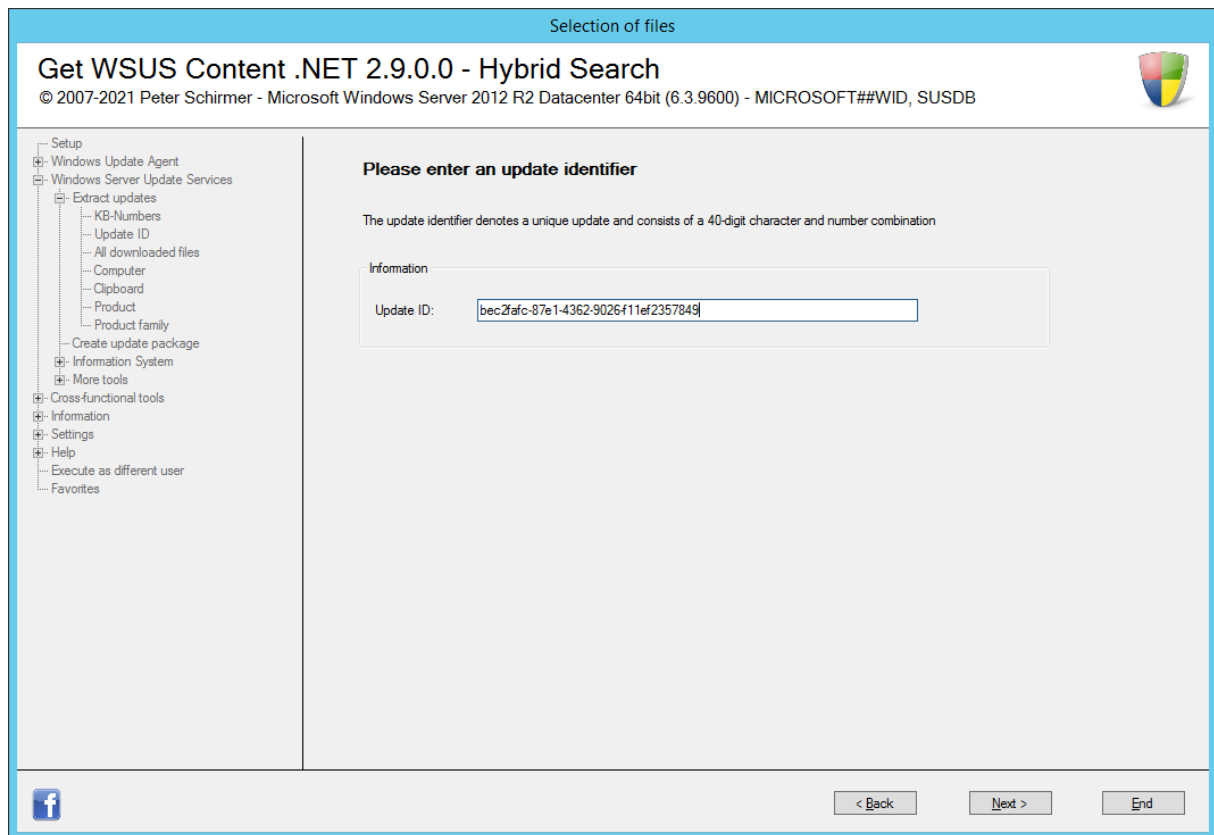
Language

The update is assigned to a language so that it is installed under the correct system.

After clicking on "Next", the update is recorded.

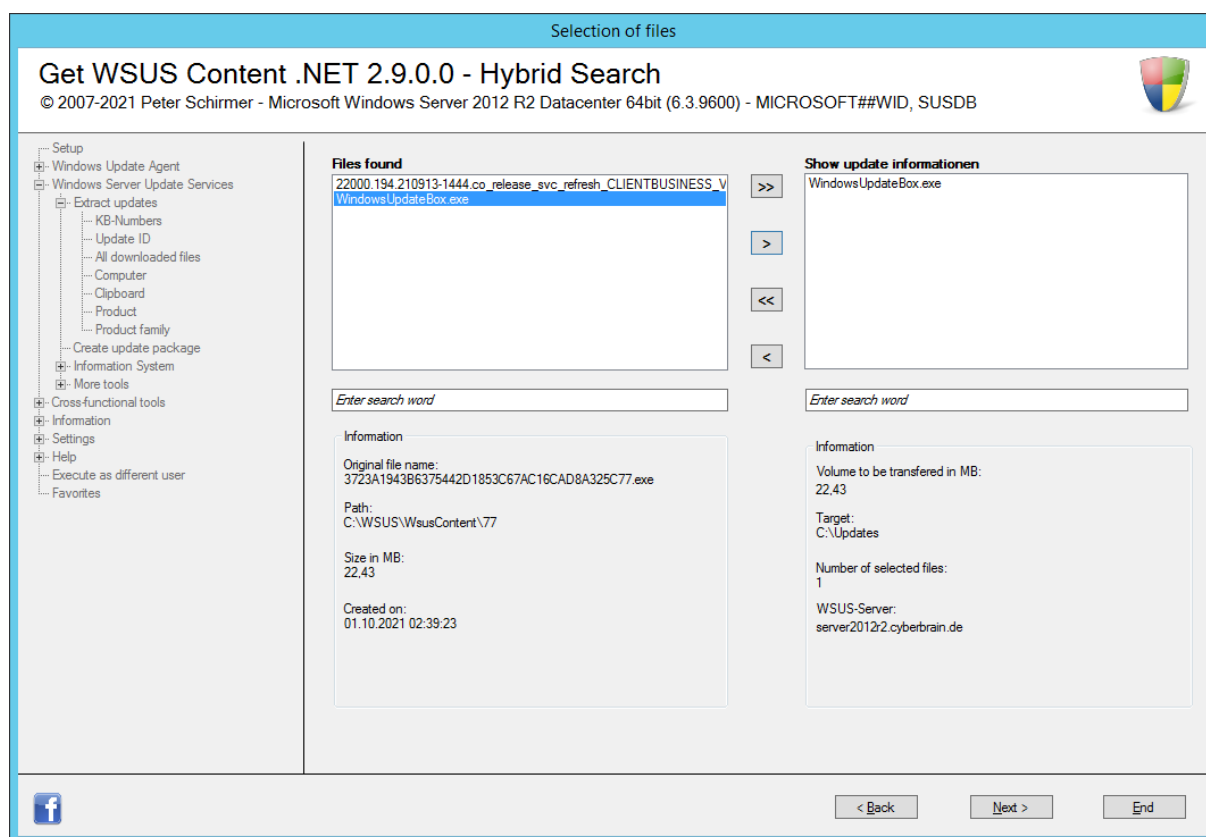
3.4.2.1.1 Update ID

An update identifier uniquely identifies an update and is assigned to a file.



The update identifier

When entering the update identifier, it is checked whether it is an alphanumeric value.



The determined, assigned files

On the left is the file that is assigned to the update identifier. On the right is the file that can be selected via the buttons in the middle:

Button	Action
>>	Transfers all found files for copying
>	Transfers only the currently selected file for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the file is copied to the update directory (default: C:\Updates) and can be entered.

Selection of files

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows Server 2012 R2 Datacenter 64bit (6.3.9600) - MICROSOFT##WID, SUSDB

- Setup
- Windows Update Agent
- Windows Server Update Services
 - Extract updates
 - KB-Numbers
 - Update ID
 - All downloaded files
 - Computer
 - Clipboard
 - Product
 - Product family
 - Create update package
- Information System
 - More tools
- Cross-functional tools
- Information
- Settings
- Help
 - Execute as different user
 - Favorites

Gather additional data

Gather files which are not delivered by Microsoft Update

Data to be saved

File: ...

☒ I would like to prevent to delete the file

Description:

Product:

Parameters:

Installation phase:

Language:

< Back
Next >
End

Acquisition of the selected file

File

The path to the file must be selected.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

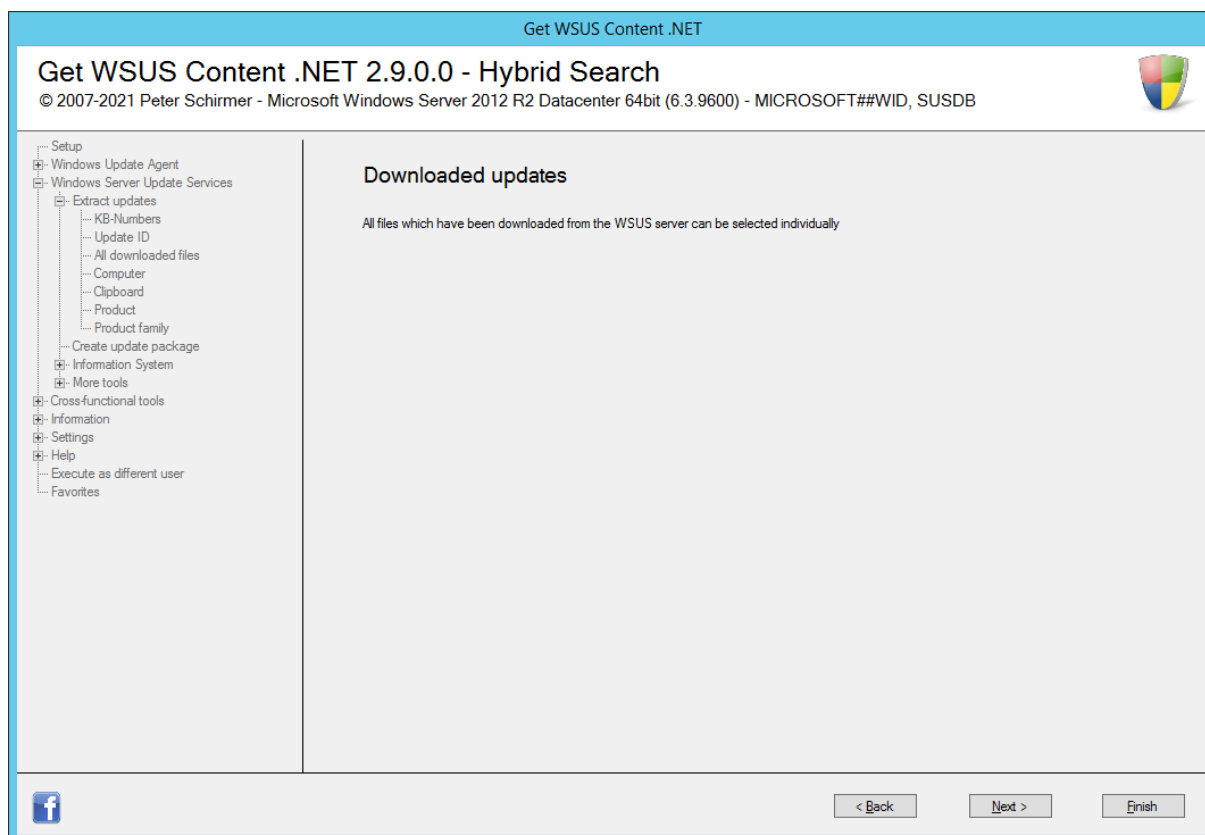
Language

The update is assigned to a language so that it is installed under the correct system.

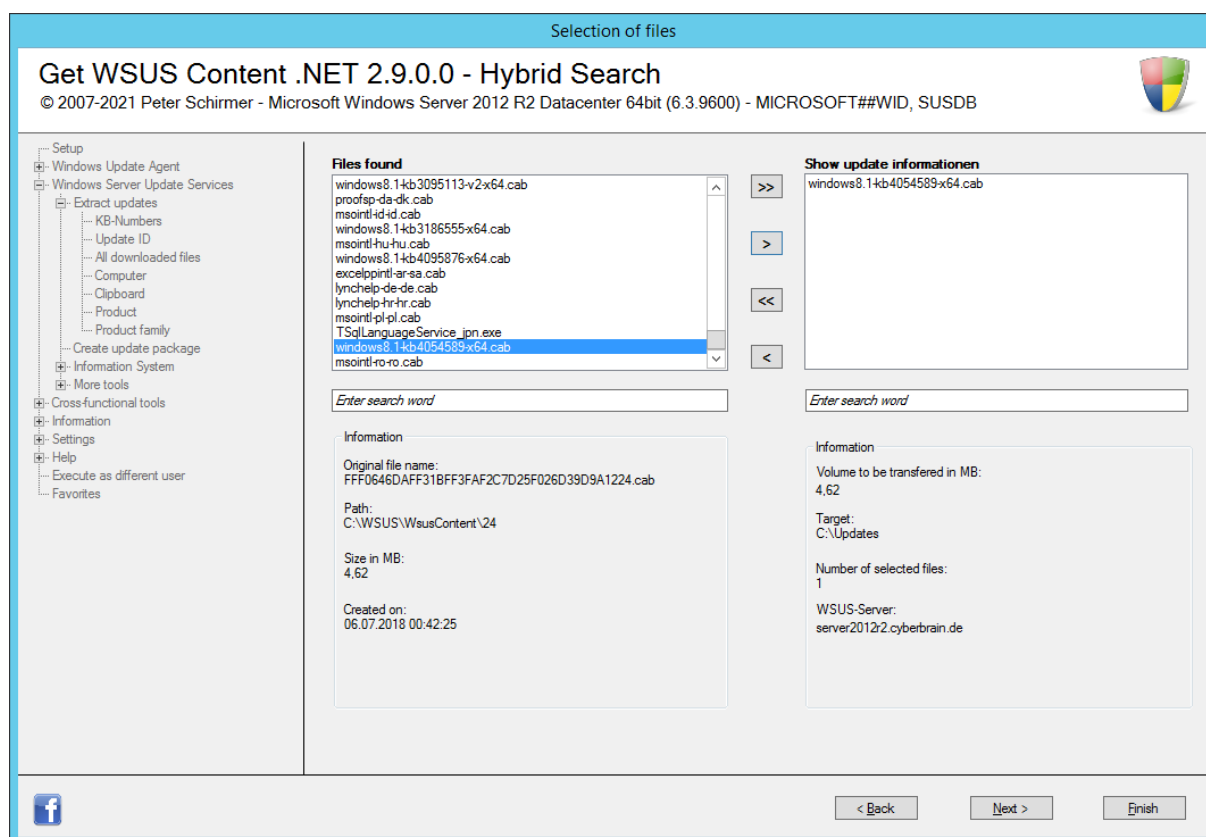
After clicking on "Next", the update is recorded.

3.4.2.1.1 All downloaded files

A WSUS server downloads all files before they are requested by the clients. This dataset can be accessed with the selected task.



Initial screen



List of all available files

On the left are all files that have been downloaded to the WSUS server. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found files for copying
>	Transfers only the currently selected file for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several files can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the files are copied to the update directory (default: C:\Updates) and can be recorded.

Selection of files

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows Server 2012 R2 Datacenter 64bit (6.3.9600) - MICROSOFT##WID, SUSDB

- Setup
- Windows Update Agent
- Windows Server Update Services
- Extract updates
 - KB-Numbers
 - Update ID
 - All downloaded files
 - Computer
 - Clipboard
 - Product
 - Product family
- Create update package
- Information System
- More tools
- Cross-functional tools
- Information
- Settings
- Help
- Execute as different user
- Favorites

Gather additional data

Gather files which are not delivered by Microsoft Update

Data to be saved

File: ...

☒ I would like to prevent to delete the file

Description:

Product:

Parameters:

Installation phase:

Language:

< Back
Next >
Finish

Acquisition of the selected file

File

The path to the file is to be entered.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

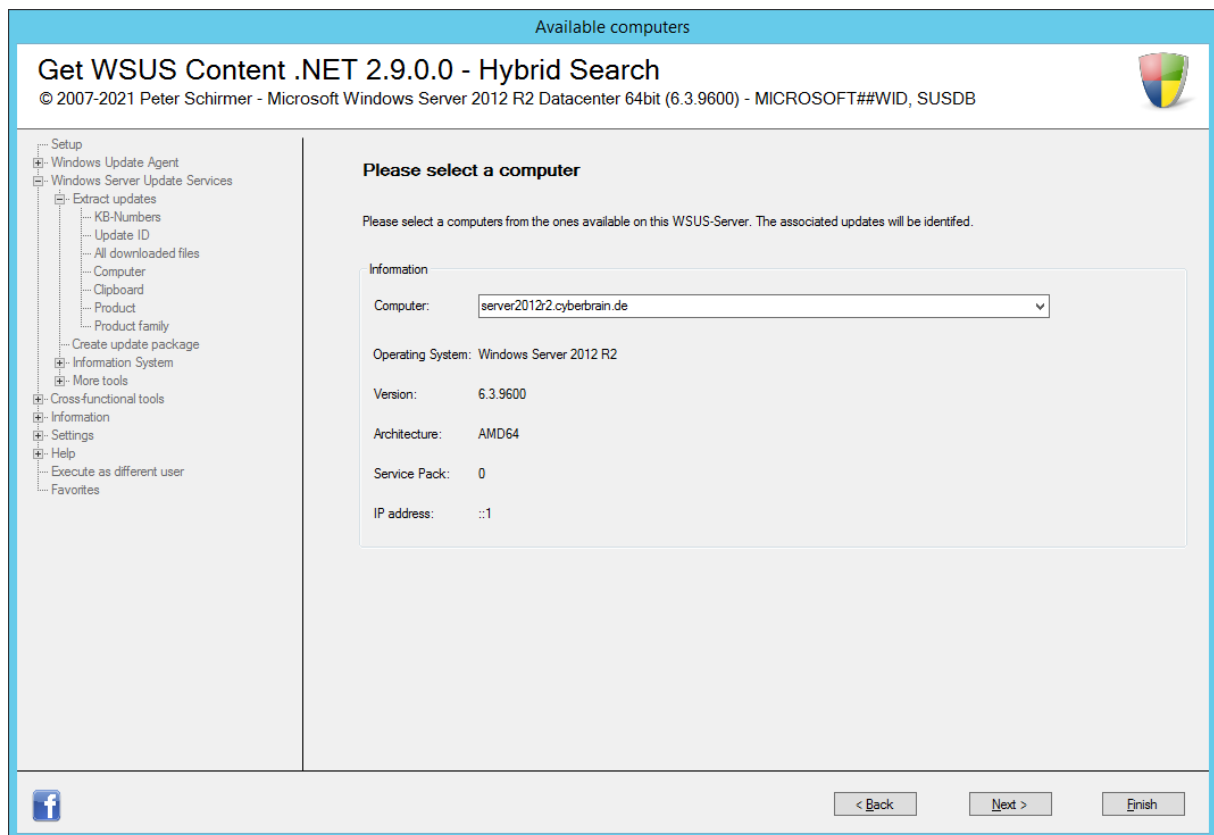
Language

The update is assigned to a language so that it is installed under the correct system.

After clicking on "Next", the update is recorded.

3.4.2.1.1 Computer

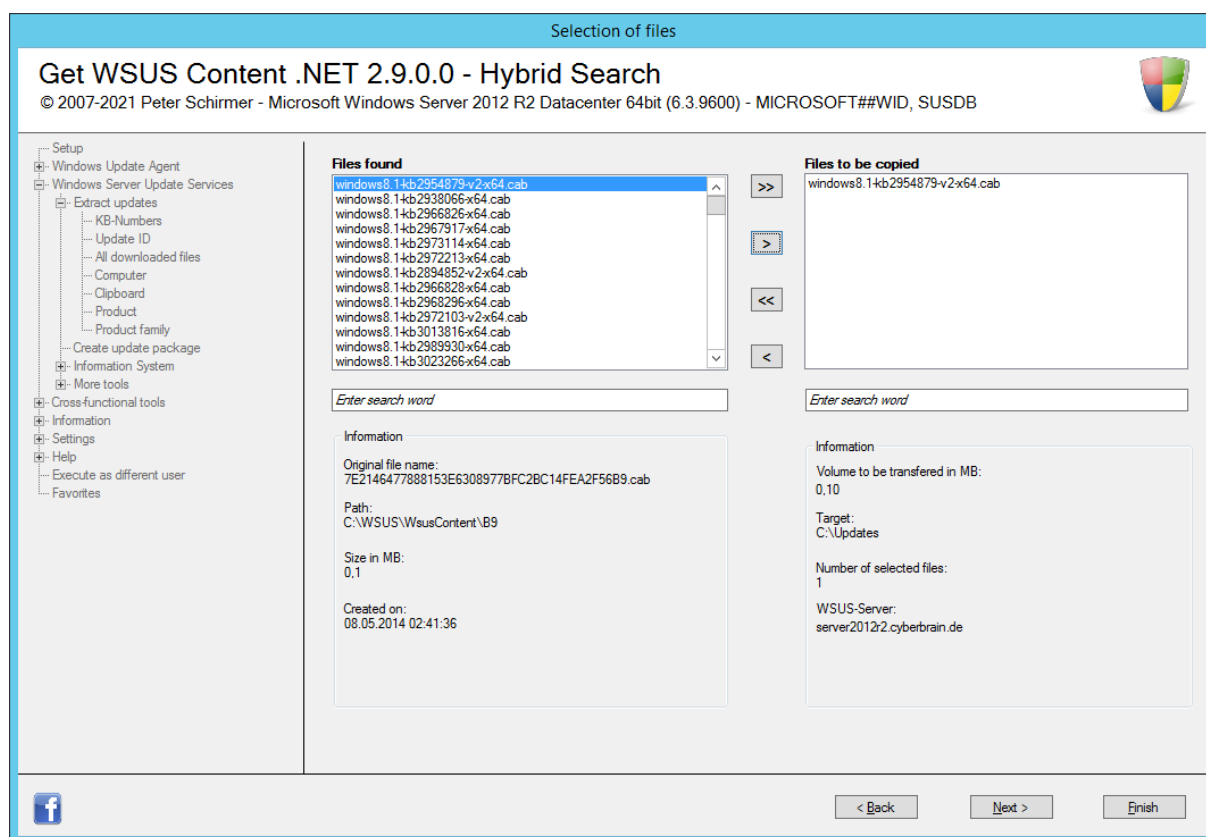
Another way to extract updates from the WSUS server is to select a reference computer as a template on which certain updates are already installed. The corresponding updates are determined and are available for selection.



Computers connected to the WSUS server

In the first step, Get WSUS Content .NET determines which computers are connected to the WSUS server and offers them for selection. Some helpful identification information is displayed for the selection.

By clicking on "Next", the updates found for this computer are offered for copying.



Files found for the selected computer

On the left are all files found on the WSUS server. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found updates for copying
>	Transfers only the currently selected update for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the files are copied to the update directory (default: C:\Updates) and can be recorded.

Selection of files

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows Server 2012 R2 Datacenter 64bit (6.3.9600) - MICROSOFT##WID, SUSDB

Setup

- Windows Update Agent
- Windows Server Update Services
 - Extract updates
 - KB-Numbers
 - Update ID
 - All downloaded files
 - Computer
 - Clipboard
 - Product
 - Product family
 - Create update package
- Information System
 - More tools
- Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Gather additional data

Gather files which are not delivered by Microsoft Update

Data to be saved

File: C:\Updates\windows8.1-kb2954879-v2-x64.cab

☒ I would like to prevent to delete the file

Description: Windows Server 2012 R2 Update

Product: Windows Server 2012 R2

Parameters: wZk122

Installation phase: Update

Language: Deutsch (Deutschland)

< Back Next > Finish

Acquisition of the selected file

File

The path to the file must be selected.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- **Service Pack:** This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- **Preparation:** This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

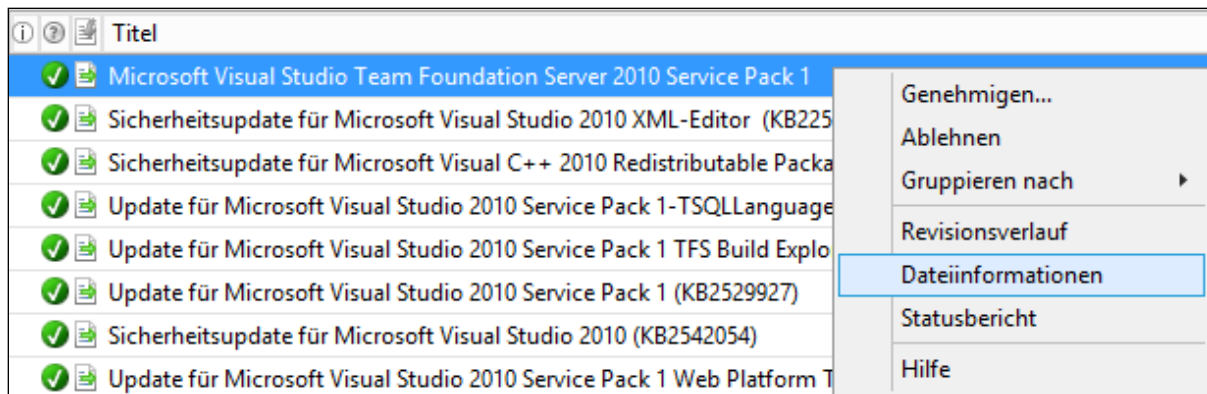
Language

The update is assigned to a language so that it is installed under the correct system.

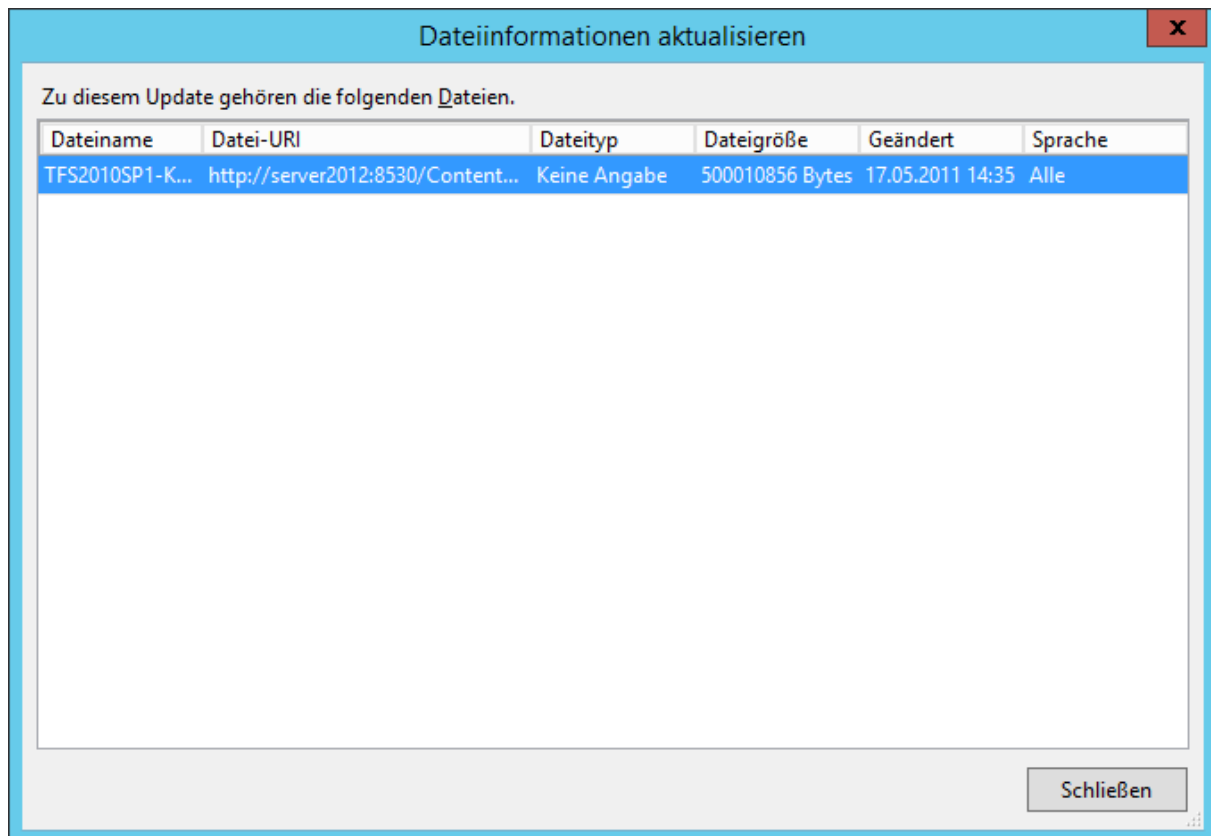
After clicking on "Next", the update is recorded.

3.4.2.1.2 Clipboard

The last possibility to specifically extract updates from the WSUS server is to use the clipboard. Updates are selected and the associated files are copied directly from the WSUS directory to the update directory.

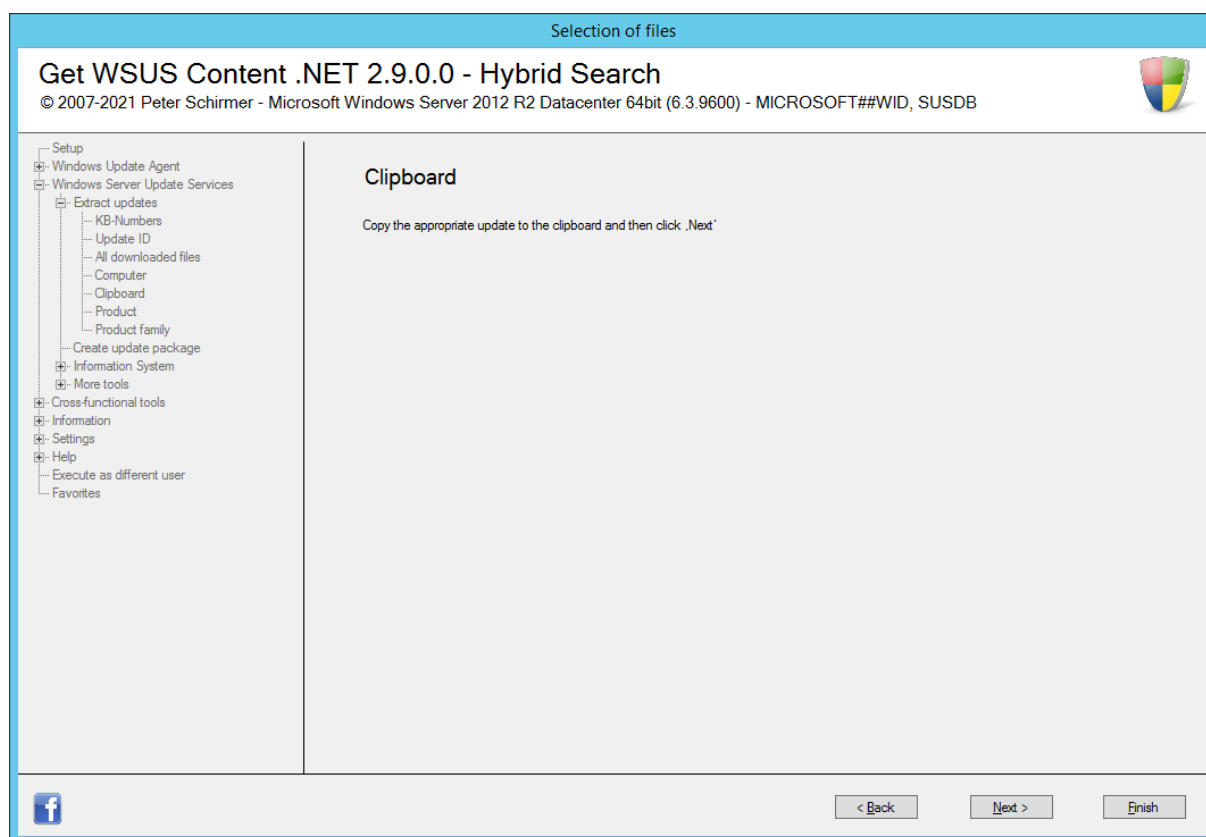


Update selection



Display of the associated file

Press the key combination CTRL+C and copy the marked content to the clipboard.



Initial screen

The selected file is copied from the WSUS server to the update directory (default: C:\Updates) and the capture takes place.

Acquisition of the selected file

File

The path to the file is already entered.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

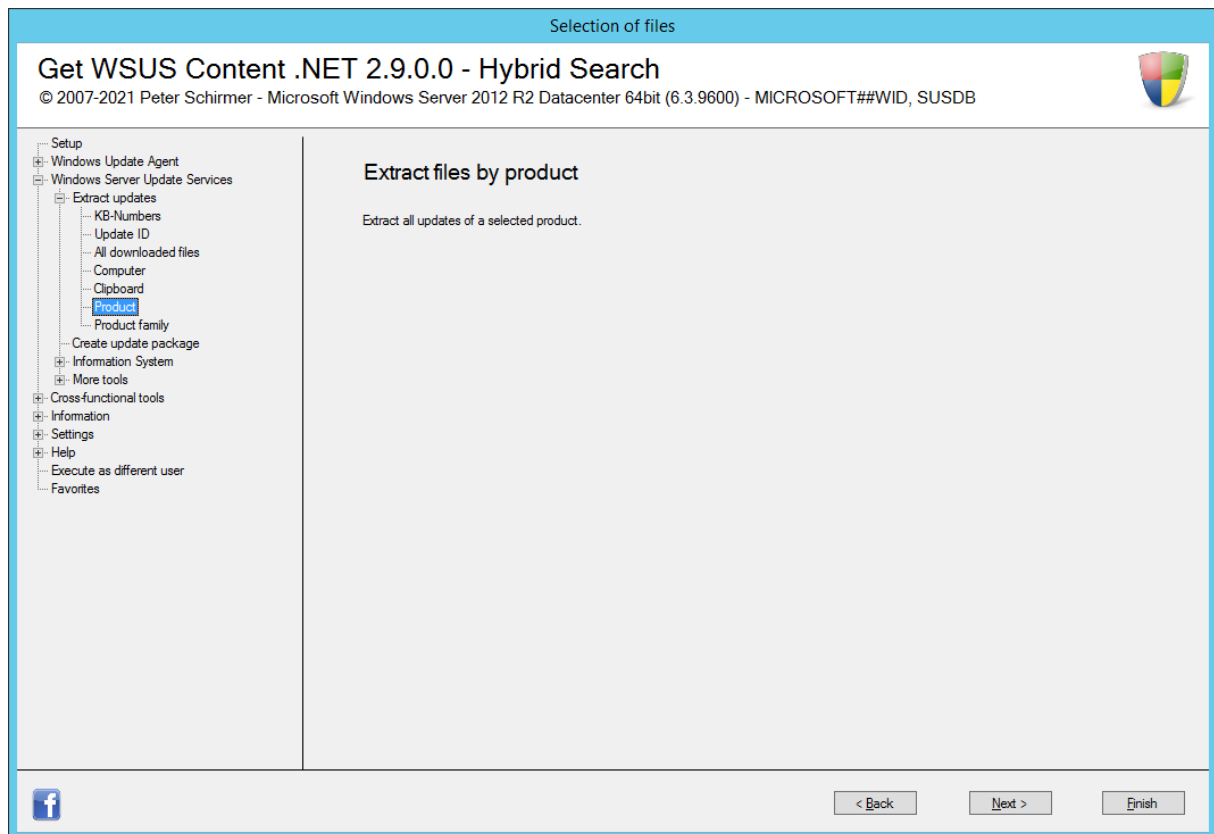
Language

The update is assigned to a language so that it is installed under the correct system.

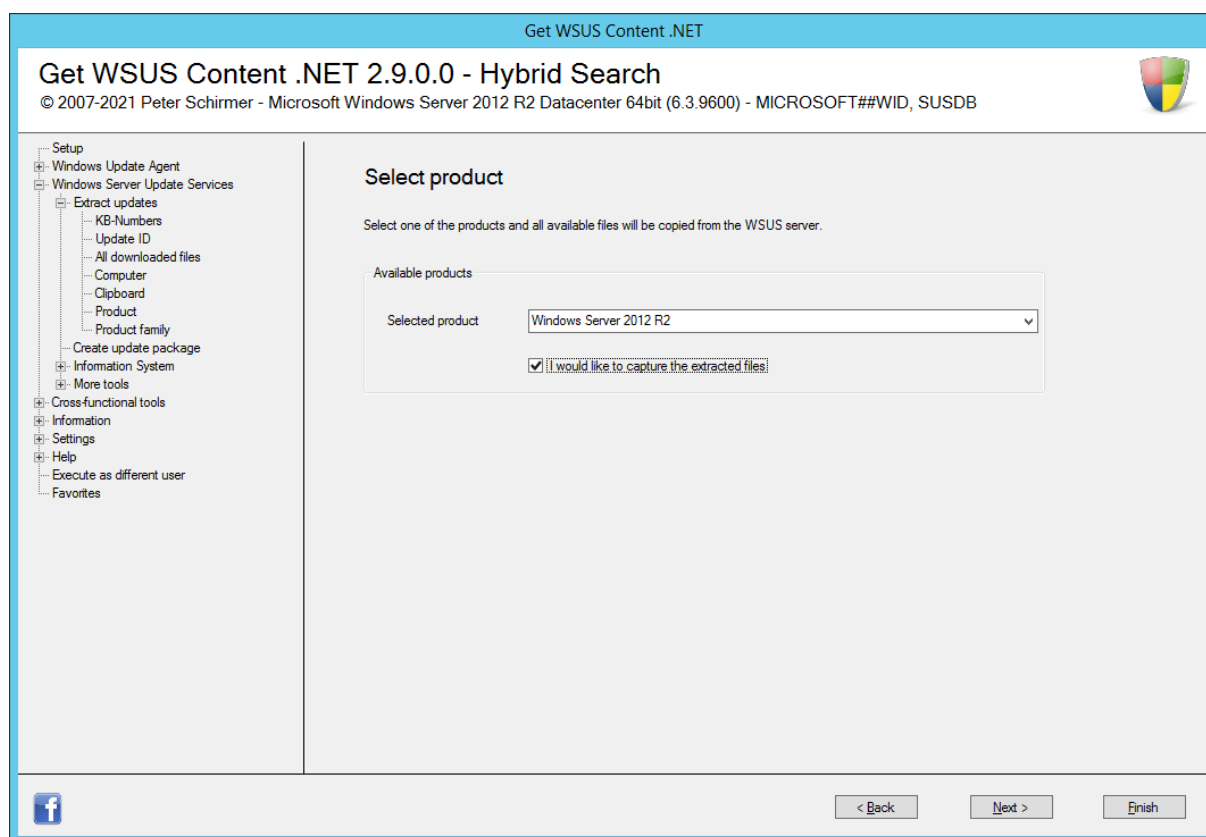
After clicking on "Next", the update is copied to the update directory and recorded.

3.4.2.1.3 Product

The updates are each assigned to a product and a product family. For example, a Windows 11 update is assigned to the product "Windows 11" and the product family "Windows".



Initial screen

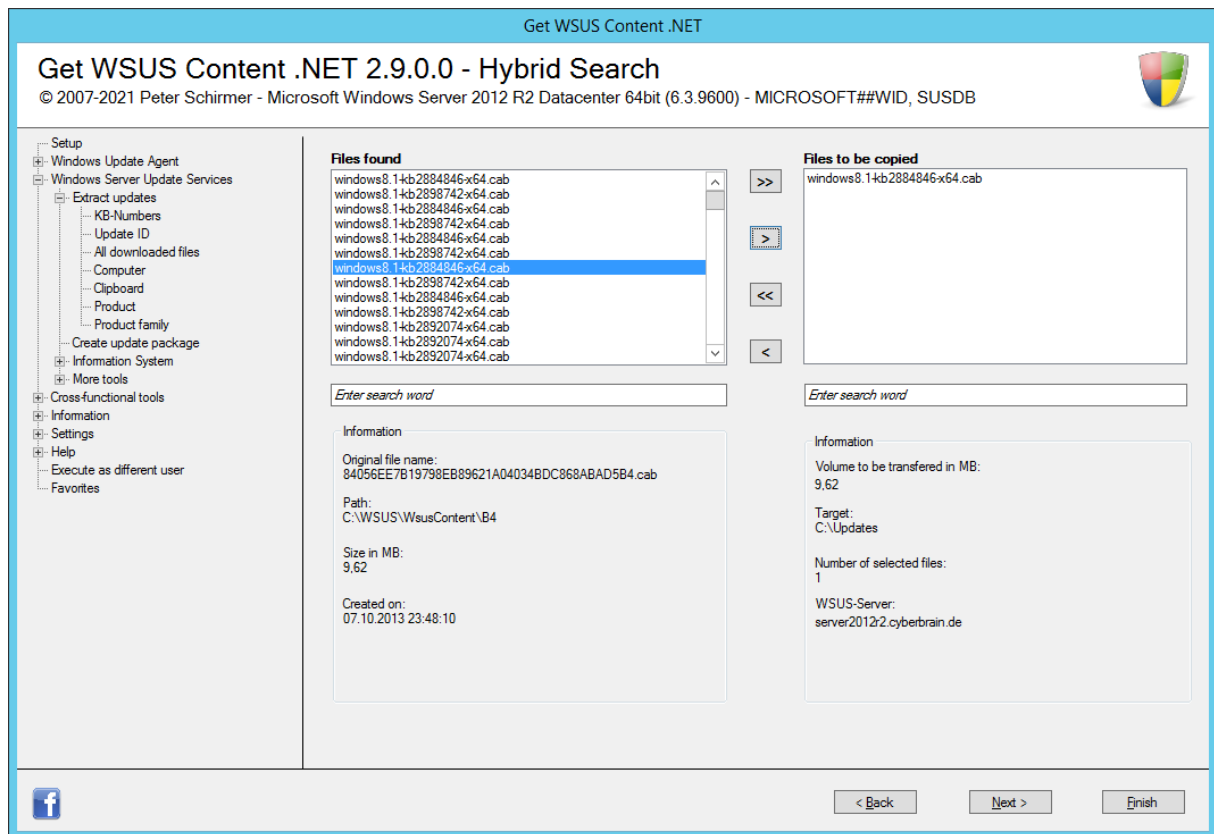


Selection of the product

I would like to capture the extracted files

If the files are not only to be extracted, but also captured, check the box.

To extract all files to a product, select the product and click "Next".



Files detected

On the left are all files found on the WSUS server. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found updates for copying
>	Transfers only the currently selected update for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the files are copied to the update directory (default: C:\Updates) and can be recorded.

Acquisition of the selected file

File

The path to the file is to be entered.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

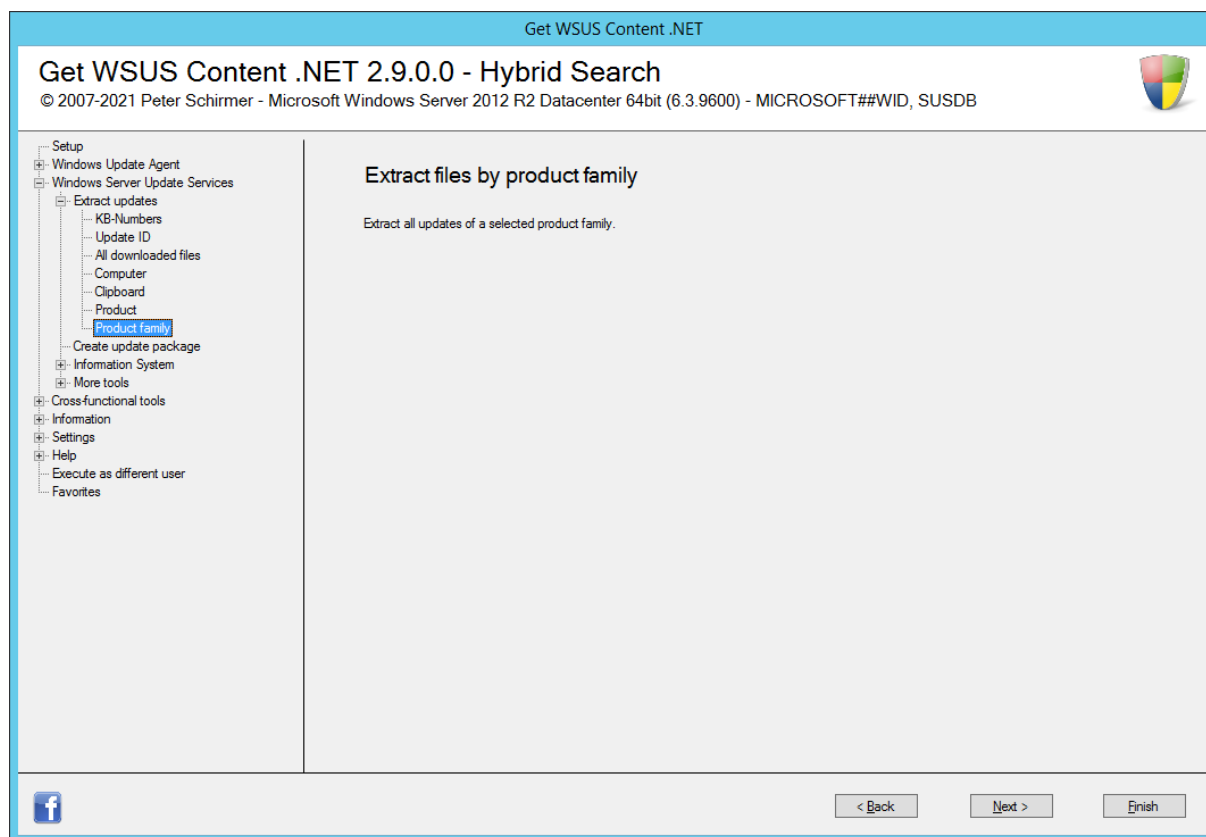
Language

The update is assigned to a language so that it is installed under the correct system.

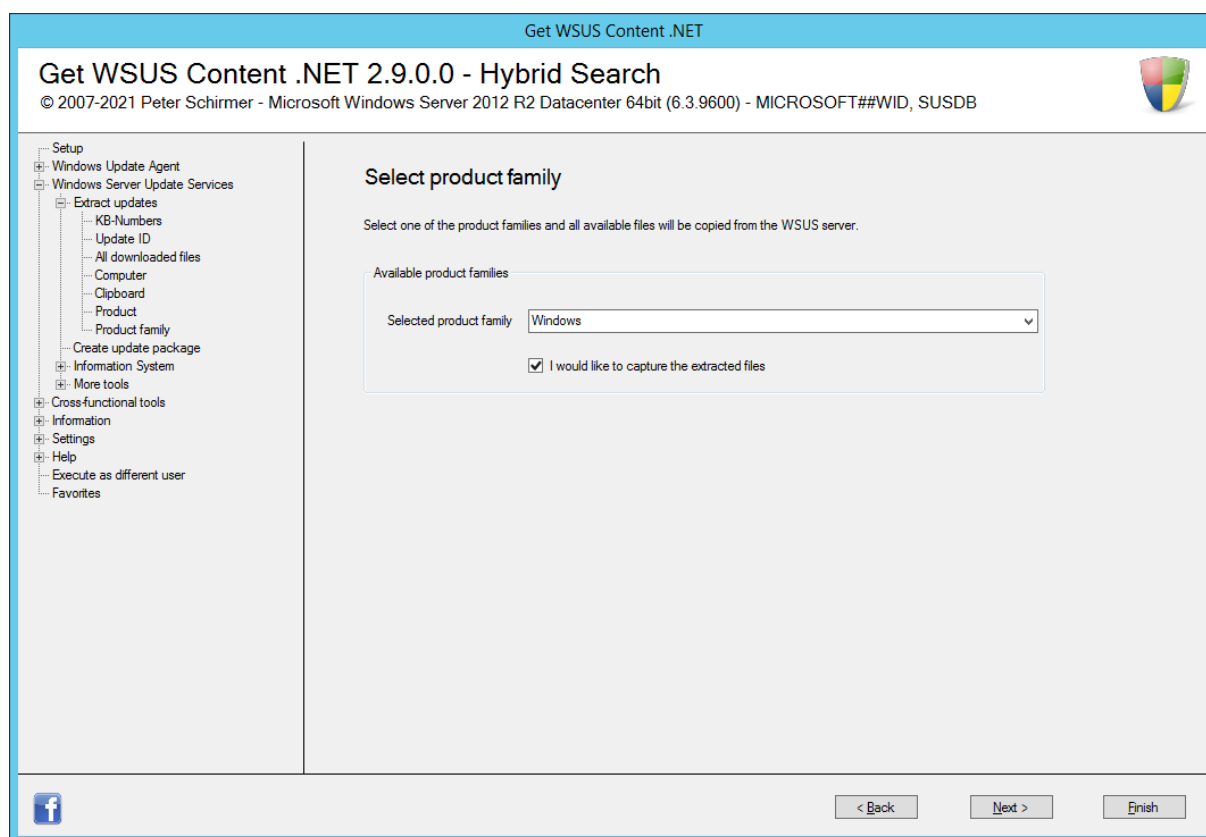
After clicking on "Next", the update is recorded.

3.4.2.1.4 Product family

The updates are each assigned to a product and a product family. For example, a Windows 11 update is assigned to the product "Windows 11" and the product family "Windows".



Initial screen

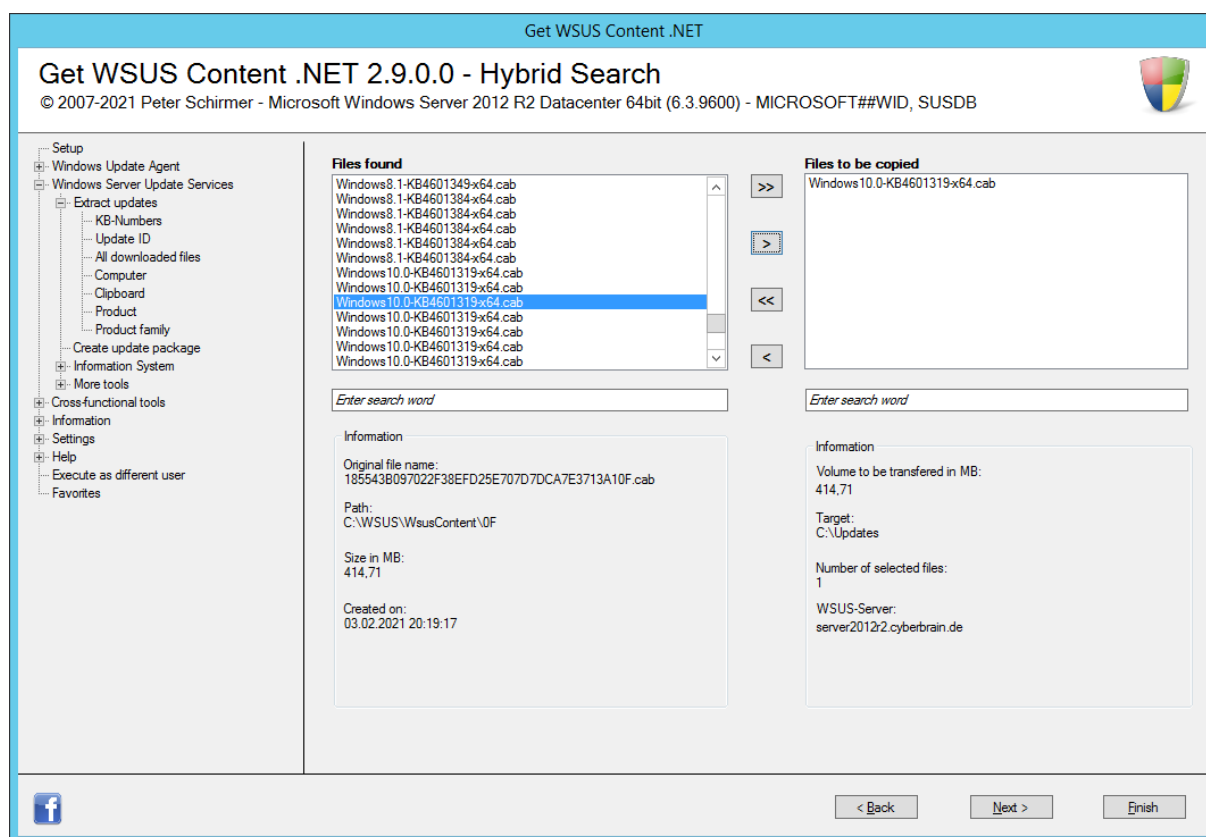


Selection of the product

I would like to capture the extracted files

If the files are not only to be extracted, but also captured, check the box.

To extract all files to a product family, select it and click "Next".



Files detected

On the left are all files found on the WSUS server. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found updates for copying
>	Transfers only the currently selected update for copying
<<	Undoes the action
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

After clicking on "Next", the files are copied to the update directory (default: C:\Updates) and can be recorded.

Acquisition of the selected file

File

The path to the file is to be entered.

I would like to prevent to delete the file

Files that are determined and saved via Windows Update are available for a long period of time and can be re-downloaded if necessary. If they become obsolete or are no longer considered necessary, they are deleted. However, if files are added to the update directory by other means, it cannot be determined with certainty whether the file is still available or should be deleted. By default, it is intended not to delete files added via this task - the option is thus marked.

Description

A description of the update shall be provided.

Product and parameters

It is determined under which operating system or for which product the update applies. The installation parameters for automatic installation are suggested - if the file is an .exe file, the installation parameters for silent installation must be entered.

Installation phase

The update is assigned to an installation phase. Get WSUS Content .NET distinguishes between three phases, each of which is separated by a restart:

- Service Pack: This phase is intended for basic updates, such as a service pack for the operating system. All further updates build on this.
- Preparation: This phase is intended for products that require an installed service pack for their installation. All updates for products in this phase build on the service pack phase.

- Update: This phase installs updates for products that are already installed. Most updates are assigned to this phase and they build on both the Service Pack and Preparation phases.

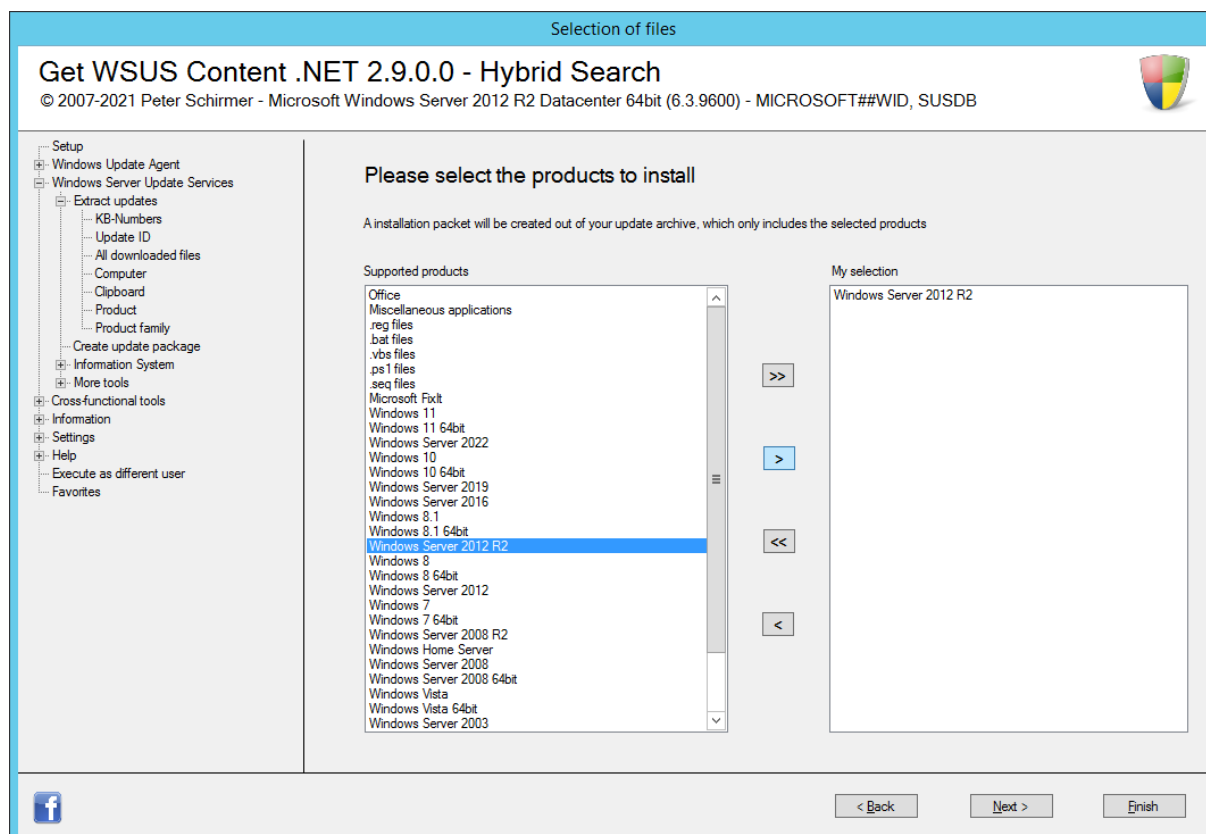
Language

The update is assigned to a language so that it is installed under the correct system.

After clicking on "Next", the update is recorded.

3.4.2.2 Create update package

An individual update package can be created from the copied and saved updates.



Selection of the product

On the left are all products that are supported by Get WSUS Content .NET and that are to be included in the update package. On the right are the products that are selected via the buttons in the middle:

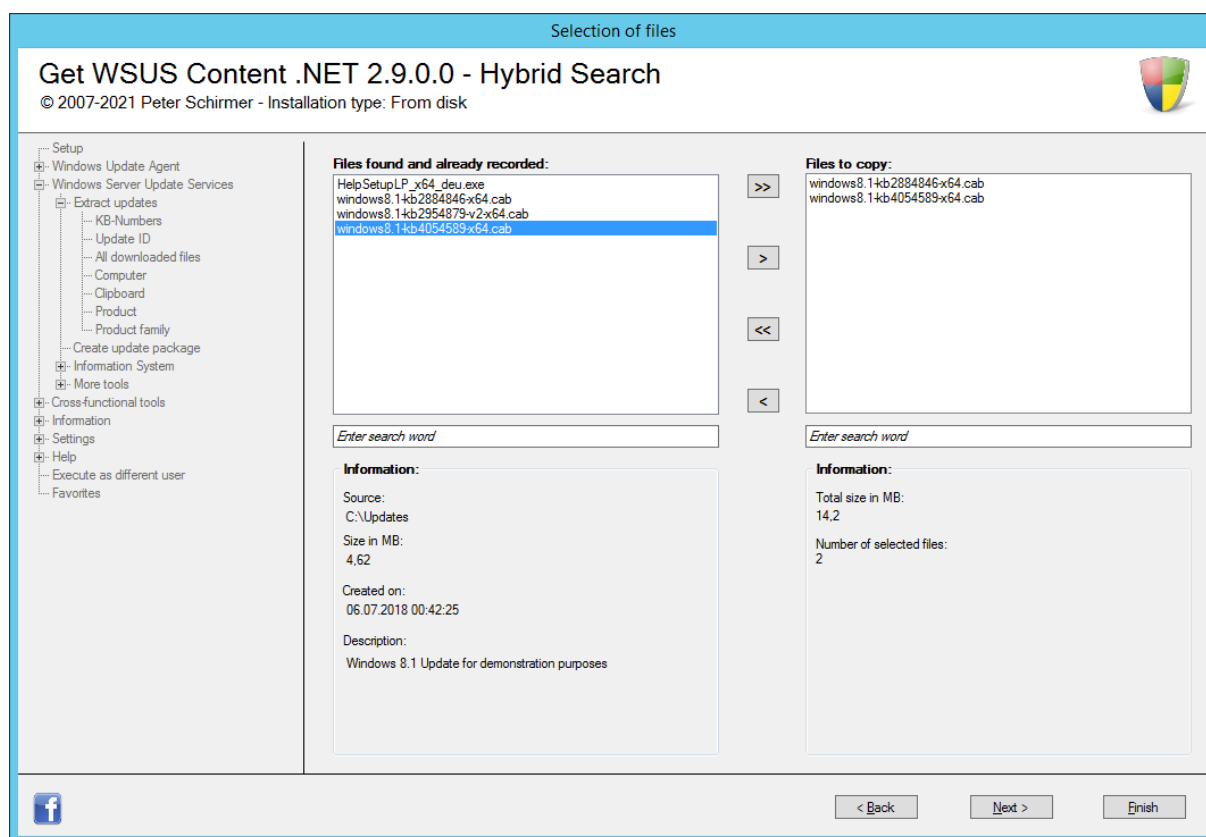
Button	Action
>>	Transfers all found products to the listing of the associated updates
>	Transfers only the currently selected product to the listing of the associated updates
<<	Undoes the action
<	Undoes the action by selecting the product on the right.

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

After clicking on "Next", the updates recorded in the update file are determined and displayed in the selection dialogue.



Selection of the determined, associated files

On the left are all the files that were found. On the right, all files selected via the buttons in the middle:

Button	Action
>>	Transfers all found files for copying
>	Transfers only the currently selected file for copying
<<	Undoes the action.
<	Undoes the action by selecting the file on the right side

Several updates can be marked while the "CTRL" key is pressed simultaneously.

Alternatively, you can also operate this function with the keyboard:

Button	Key combination
>>	F5
>	F6
<<	F7
<	F8

A search is available on both pages. Type in a term and confirm the search with the Enter key. The relevant list is then searched for this term and marked. If the search term is found in several entries, all lines are marked.

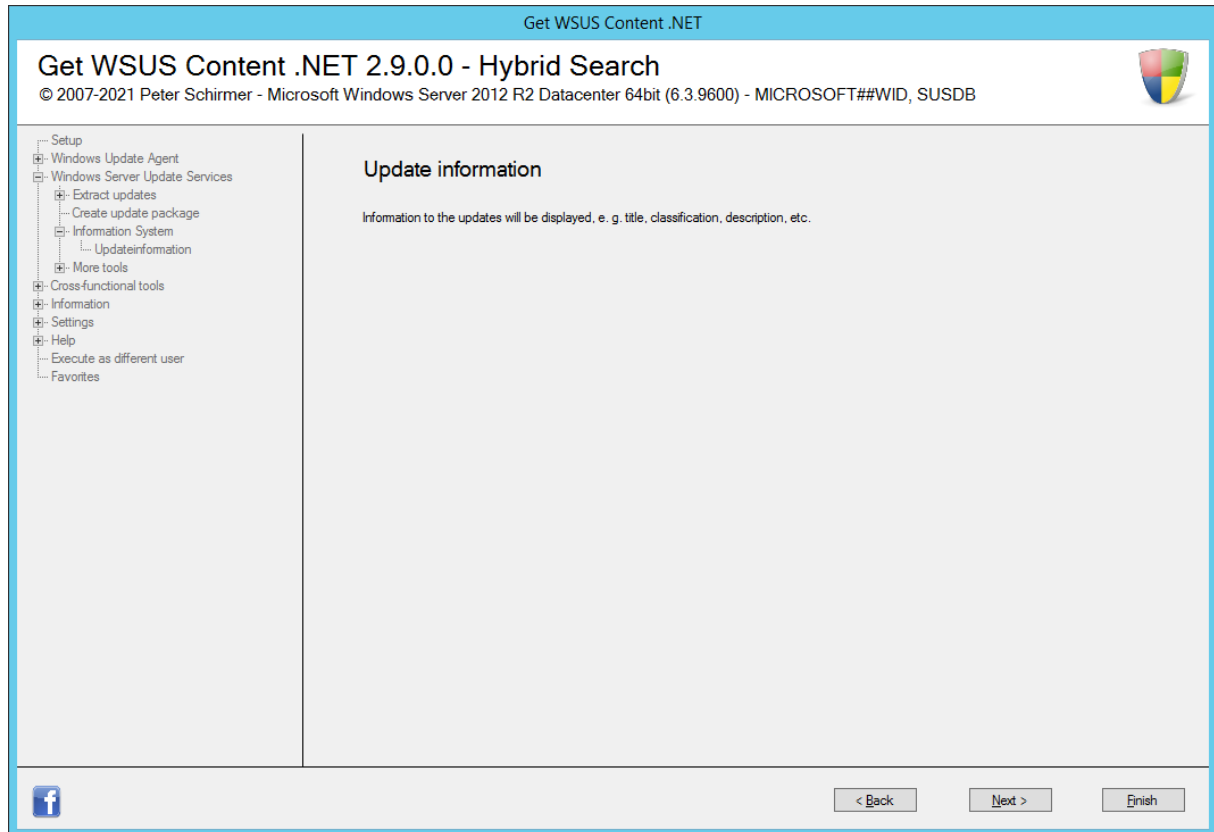
After clicking on "Next", the files are copied. Depending on the setting, either a USB stick is used after the process is completed or the installation is carried out from the hard disk, where an icon appears on the desktop (cf. Chapter 3.5.1.) In both cases, start the update installation locally on the computer.

If, on the other hand, you have selected the option "Installation via the network" in the settings under "General", you can install the updates without having to go to the computer yourself and make entries. The files are actively transferred to the target computer from the computer on which Get WSUS Content .NET is currently running.

3.4.2.3 Information system

3.4.2.4 Update information

Get WSUS Content .NET provides some information about the updates on the WSUS server.



Initial screen

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows Server 2012 R2 Datacenter 64bit (6.3.9600) - MICROSOFT##WID, SUSDB

- Setup
- Windows Update Agent
- Windows Server Update Services
 - Extract updates
 - Create update package
 - Information System
 - Update information
 - More tools
- Cross-functional tools
- Information
- Settings
- Help
- Execute as different user
- Favorites

Information for server2012r2.cyberbrain.de

The below listed report displays the most important data

Title	Classification	Description	Update identifier
Update for Windows Server 2012 R2 (KB2884...	Critical Updates	Install this update to res...	5f5b21ef-1268-41a1-b043fdcc10
Update for Windows Server 2012 R2 (KB2884...	Critical Updates	Install this update to res...	5f5b21ef-1268-41a1-b043fdcc10
Update for Windows Server 2012 R2 (KB2884...	Critical Updates	Install this update to res...	5f5b21ef-1268-41a1-b043fdcc10
Update for Windows Server 2012 R2 (KB2884...	Critical Updates	Install this update to res...	5f5b21ef-1268-41a1-b043fdcc10
Update for Windows Server 2012 R2 (KB2884...	Critical Updates	Install this update to res...	5f5b21ef-1268-41a1-b043fdcc10
Security Update for Windows Server 2012 R2 (...)	Security Updates	A security issue has bee...	e5f91982f6bc-43f5-80ec-322a895
Security Update for Windows Server 2012 R2 (...)	Security Updates	A security issue has bee...	e5f91982f6bc-43f5-80ec-322a895
Security Update for Windows Server 2012 R2 (...)	Security Updates	A security issue has bee...	e5f91982f6bc-43f5-80ec-322a895
Security Update for Windows Server 2012 R2 (...)	Security Updates	A security issue has bee...	e5f91982f6bc-43f5-80ec-322a895
Security Update for Windows Server 2012 R2 (...)	Security Updates	A security issue has bee...	e5f91982f6bc-43f5-80ec-322a895
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	99c3c8af-190f-403b-896f-31ccae6
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	37e5597a-c7b7-4dc4-9837-cbbd96
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	37e5597a-c7b7-4dc4-9837-cbbd96
Security Update for Microsoft .NET Framework ...	Security Updates	A security issue has bee...	37e5597a-c7b7-4dc4-9837-cbbd96

< Back
Next >
Finish

Update information

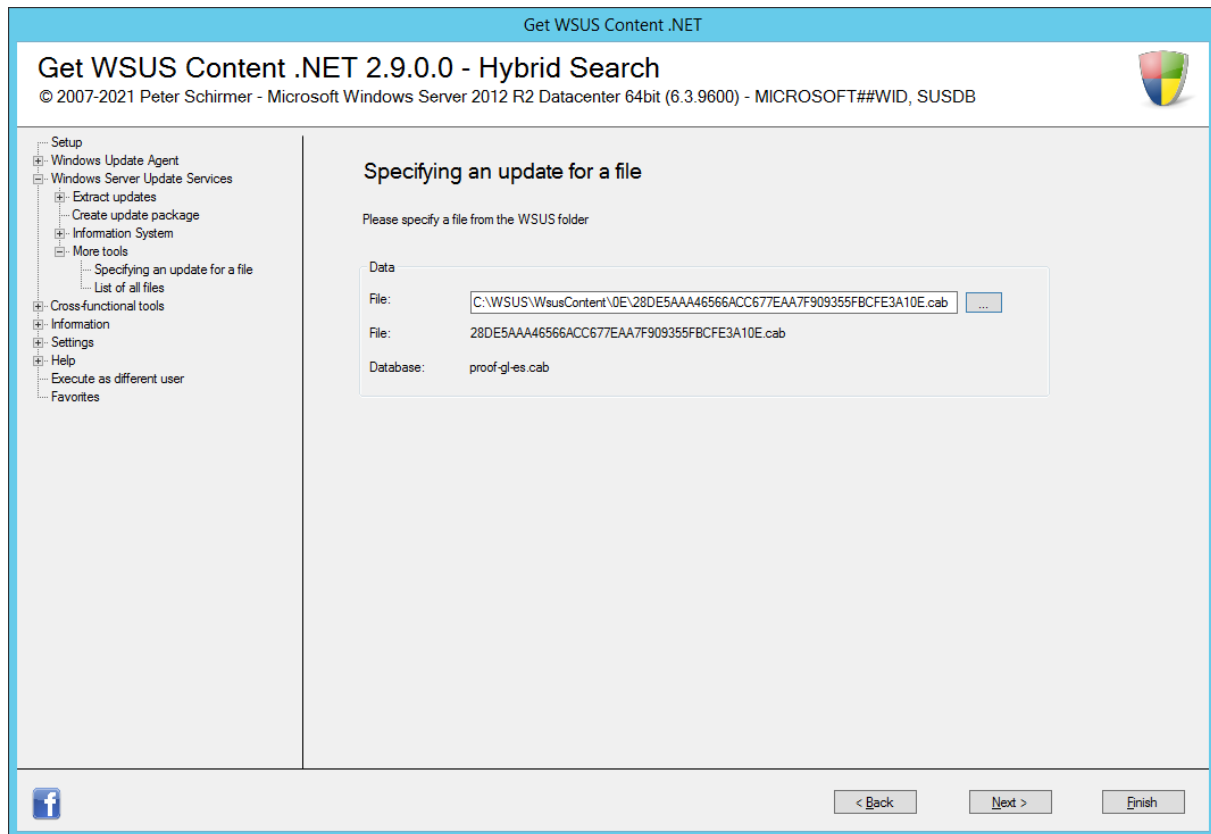
This information is:

- Title
- Classification
- Description
- Update identifier

3.4.2.5 More tools

3.4.2.6 Specifying an update for a file

The files on the WSUS server have a combination of letters and numbers as file names. It is not obvious which file is hidden behind it. To determine the original name of a file, select this task.



Determination of the file name

File

The file on the WSUS server whose original name is to be determined.

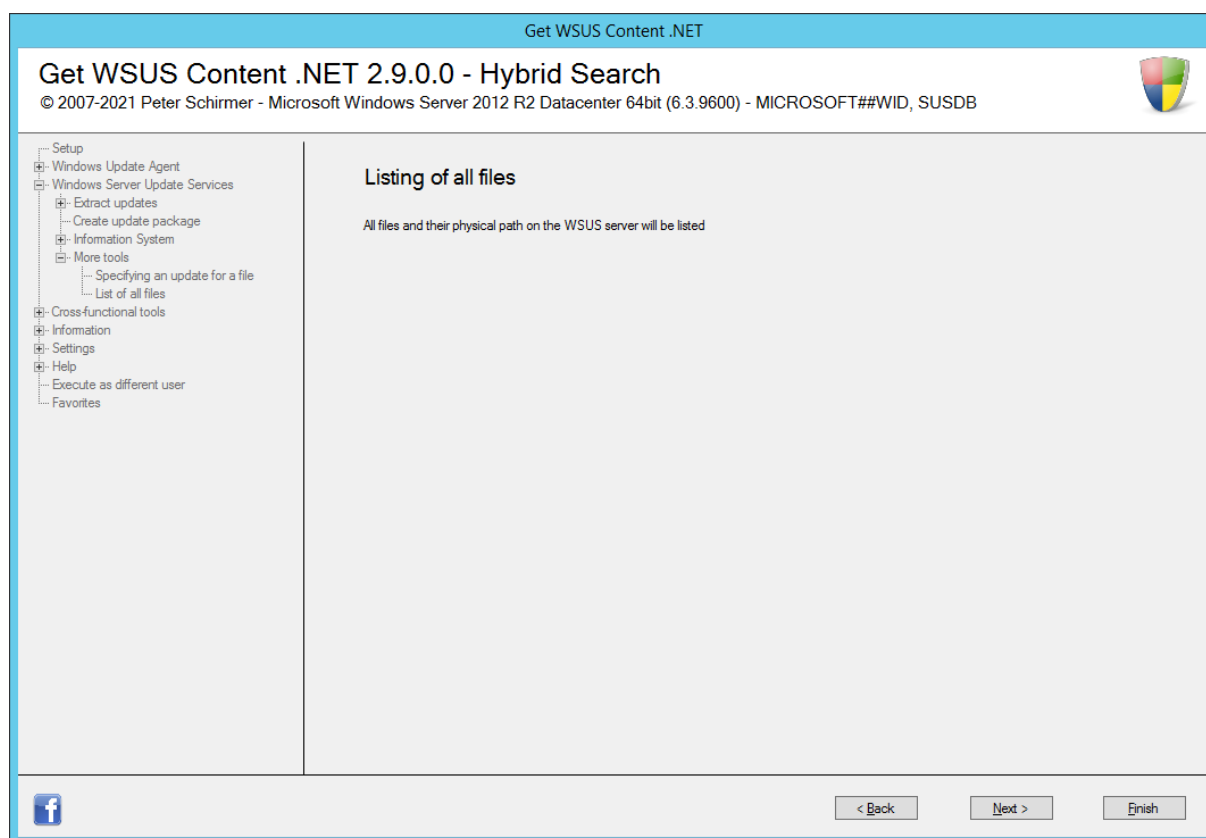
Database

Entry in the WSUS database with the original name.

After clicking on "Next", a database query is made and the original file name is output.

3.4.2.7 List of all files

To find the original file names of more than one file, select this task.



Initial screen

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

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- Setup
 - Windows Update Agent
 - Windows Server Update Services
 - Extract updates
 - Create update package
 - Information System
 - More tools
 - Specifying an update for a file
 - List of all files
 - Cross-functional tools
 - Information
 - Settings
 - Help
 - Execute as different user
 - Favorites

Information for server2012r2.cyberbrain.de

The below listed report displays the most important data

File	Database entry
windows8.1-kb4056568-x64.psf	C:\WSUS\WsusContent\72\00013679C04DDA9119AC16B7B2741E0D58E39972.psf
coreservemui-bs-latn-ba.cab	C:\WSUS\WsusContent\50\0008070438627FA95A9624BF309AB4AF4286A050.cab
coreservemui-bs-latn-ba.cab	C:\WSUS\WsusContent\50\0008070438627FA95A9624BF309AB4AF4286A050.cab
duetserversp-he-ll.cab	C:\WSUS\WsusContent\3B\000A54518C7FEF919E5CBB9461EE6EB968AEE33B.cab
lp.cab	C:\WSUS\WsusContent\DE\000CEA9CD98AE35AB803B580207BDB82133739DE.cab
windows8.1-kb3100919-x64.cab	C:\WSUS\WsusContent\01\00109F9CDC8A0A1C3EEB51F07DDF0FFF42B99B01.cab
ppsmamui-ga-ie.cab	C:\WSUS\WsusContent\4F\0011EAE3CF21428650146FEBB3138E230E37284F.cab
ppsmamui-ga-ie.cab	C:\WSUS\WsusContent\4F\0011EAE3CF21428650146FEBB3138E230E37284F.cab
windows10.0-kb4486159-x64.cab	C:\WSUS\WsusContent\26\0017BEF3AD7B34EB8EA5E23223CB2DE2FC981226.cab
windows10.0-kb4486159-x64.cab	C:\WSUS\WsusContent\26\0017BEF3AD7B34EB8EA5E23223CB2DE2FC981226.cab
windows10.0-kb4486159-x64.cab	C:\WSUS\WsusContent\26\0017BEF3AD7B34EB8EA5E23223CB2DE2FC981226.cab
Windows10.0-KB5005573-x86-express.cab	C:\WSUS\WsusContent\8D\001BFD1FF2F47664D78FE15FBBD345F0A718208D.cab
lp.cab	C:\WSUS\WsusContent\5E\001F8175ED04FA8678D3A705D08B2A768F21295E.cab
lp.cab	C:\WSUS\WsusContent\5E\001F8175ED04FA8678D3A705D08B2A768F21295E.cab
lp.cab	C:\WSUS\WsusContent\5E\001F8175ED04FA8678D3A705D08B2A768F21295E.cab
WindowsUpdateBox.exe	C:\WSUS\WsusContent\E0\0020947FEF11D60F8F609DCABEA51BFC98F442E0.cab
WindowsUpdateBox.exe	C:\WSUS\WsusContent\E0\0020947FEF11D60F8F609DCABEA51BFC98F442E0.cab
WindowsUpdateBox.exe	C:\WSUS\WsusContent\8A\0021ADB11F98EBC5D7E68C4974545582CCE0968A.exe
WindowsUpdateBox.exe	C:\WSUS\WsusContent\8A\0021ADB11F98EBC5D7E68C4974545582CCE0968A.exe

[< Back](#)
[Next >](#)
[Finish](#)

Listing of the files with the original file names incl. path details

The report lists all files with their original file names and their path on the WSUS server.

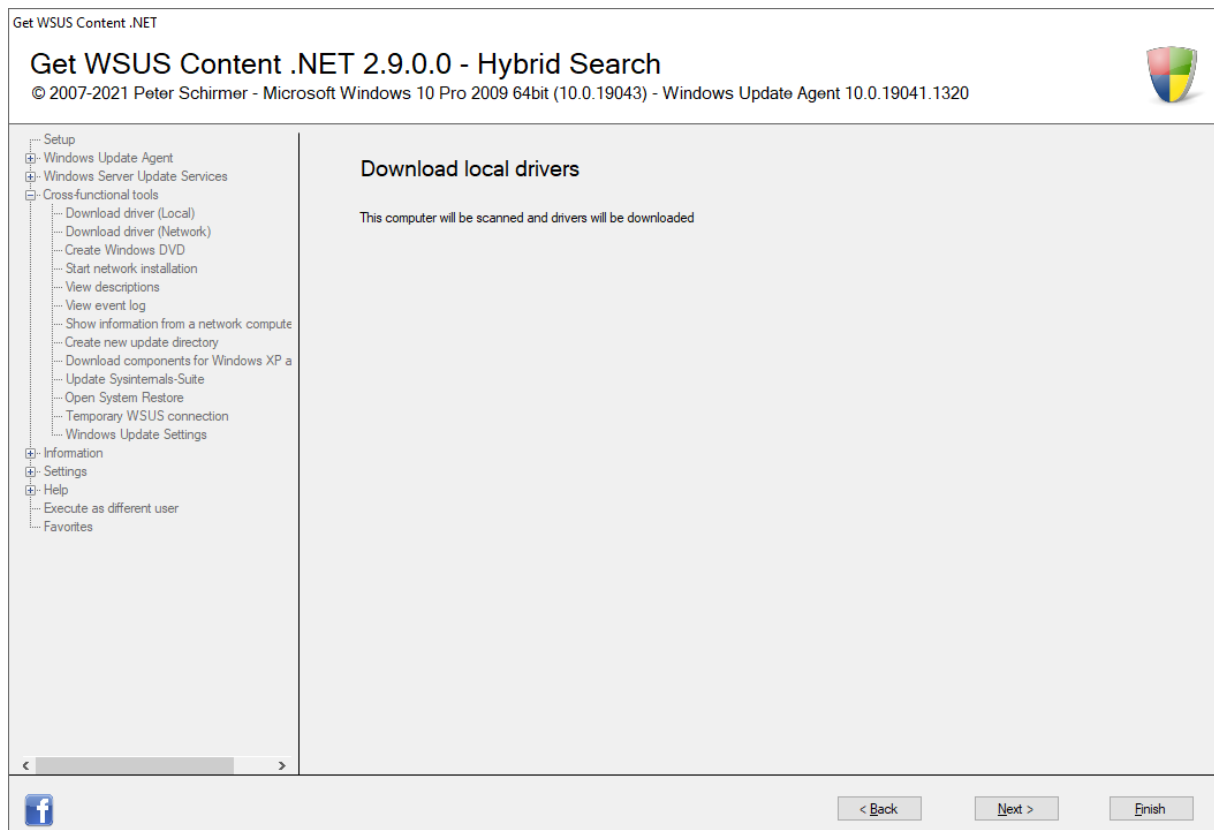
3.4.3 Cross-functional tools

This area groups tasks that can be performed both when operating with and without WSUS.

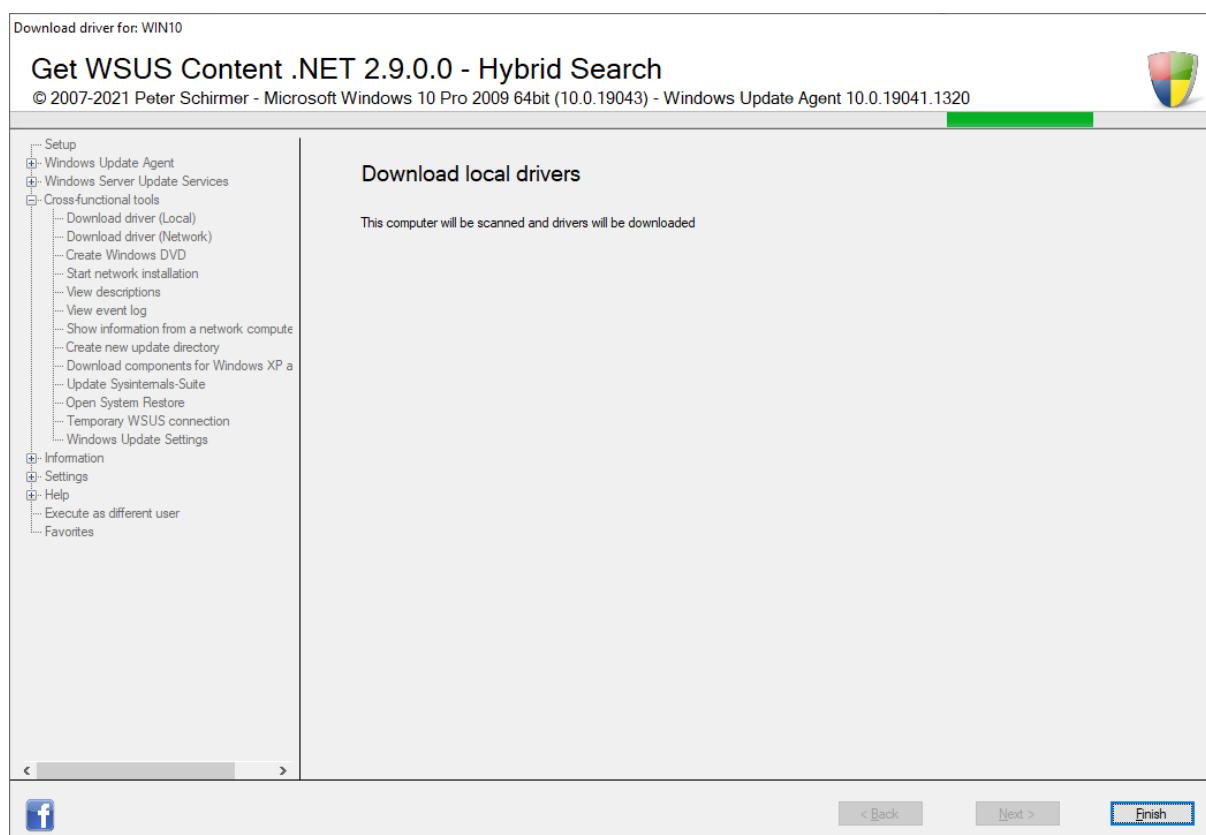
3.4.3.1 Download Driver (Local)

In addition to updates, drivers are also distributed via Microsoft Update or WSUS. Get WSUS Content .NET can also download these drivers for the computer on which the programme is running.

Microsoft has made changes since Windows 10 Release 20H2. Drivers are no longer automatically offered via Windows Update. However, this is still possible for older Windows versions.



Initial screen



Download the drivers

The drivers are downloaded and unpacked into the update directory (default: C:\Updates\Driver).

3.4.3.2 Download Driver (Network)

Drivers can be downloaded not only for the PC running Get WSUS Content .NET, but also for network computers.

Microsoft has made changes since Windows 10 Release 20H2. Drivers are no longer automatically offered via Windows Update. However, this is still possible for older Windows versions.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320

Setup

- Windows Update Agent
- Windows Server Update Services
- Cross-functional tools
 - Download driver (Local)
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 - Create Windows DVD
 - Start network installation
 - View descriptions
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 - Show information from a network compute
 - Create new update directory
 - Download components for Windows XP a
 - Update Sysinternals-Suite
 - Open System Restore
 - Temporary WSUS connection
 - Windows Update Settings
- Information
- Settings
- Help
- Execute as different user
- Favorites

Download driver of network computers

The below mentioned computer will be scanned and its drivers will be downloaded

Network computer

Network computer:

Use name or IP address

Password administrator:

< Back Next > Finish

Specification of the network computer and administrator password

Network computer

The computer to be scanned for drivers.

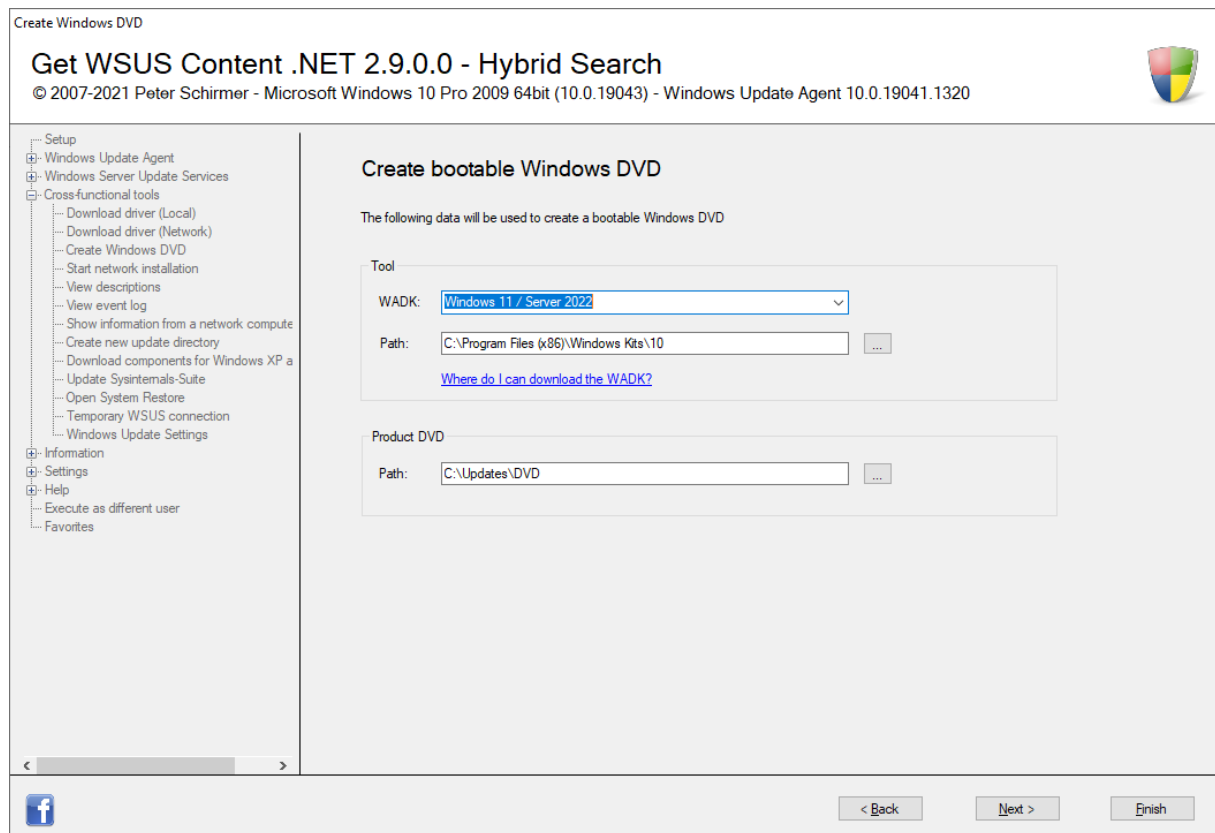
Password administrator

Enter the password of the "Administrator" account of the target computer.

After clicking on "Next", the drivers are downloaded and unpacked as in Chapter 3.4.3.1.

3.4.3.2.1 Create Windows DVD

Updated Windows files can be assembled into a bootable Windows DVD.



Creation of the medium

WADK

The WADK for the system on which Get WSUS Content .NET is running must be selected.

Path WAD

The path to the Windows ADK must first be entered, then it is entered automatically when the task is called up. For bootable media, the Windows ADK must be installed.

Path updated Windows DVD

This is the path to the files of the updated product DVD (default: C:\Updates\DVD).

3.4.3.2.2 Start network installation

If you have not completely finished a network installation, you can start it again.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320

Network installation

Please fill out the fields to start a network installation

Details

Target computer:

Password administrator

User target computer:

Password:

User network share:

Password:

Temporary network share:

< Back Next > Finish

Details for the network installation

Get WSUS Content .NET has copied all necessary files to the directory C:\Updates\Network (default path). With the following information, the installation on a network computer can be started again automatically.

Target computer

The computer on which the updates are to be installed. Also enter the password of the "Administrator" account of the target computer. This is required for determining necessary system information.

User Target Computer and Password

This is the user under which the installation takes place. The computer is restarted during the installation and the user is automatically logged in again with the specified password. You can leave the password blank - but to do this you must manually log the user on to the target system to continue the installation.

User network share and Password

The network installation uses the share "GWC" (default path: C:\Updates\Network). The user entered here must be able to access it.

Temporary network share

This is the drive that is temporarily used to transfer the data from the share to the target computer. It is then removed again.

After clicking on "Next", the data is transferred to the target computer and the installation starts.


3.4.3.2.3 View descriptions

This task creates a list of updates and displays the associated descriptions.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320




- Setup
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 - Download driver (Local)
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 - Create Windows DVD
 - Start network installation
 - View descriptions
 - View event log
 - Show information from a network compute
 - Create new update directory
 - Download components for Windows XP a
 - Update Sysintemals-Suite
 - Open System Restore
 - Temporary WSUS connection
 - Windows Update Settings
- Information
- Settings
- Help
 - Execute as different user
 - Favorites

Description

The below listed report displays the most important data

KB number	Title	Description	File name
925673	MSXML 6.0 RTM Sicherheitsupdate(925673)	Eine Sicherheitslücke in Microsoft XML Core Ser...	msxml6-kb92567...
2538243	Sicherheitsupdate für Microsoft Visual C++ 2008 ...	Ein Sicherheitsproblem wurde erkannt, das bei ...	vcredist_x86_47...
2669970	Sicherheitsupdate für Microsoft Visual Studio 20...	Ein Sicherheitsproblem wurde erkannt, das bei A...	vs90sp1-kb2669...
2565063	Sicherheitsupdate für Microsoft Visual C++ 2010 ...	Ein Sicherheitsproblem wurde erkannt, das bei ...	vcredist_x64_15...
2565057	Sicherheitsupdate für Microsoft Visual Studio 20...	Ein Sicherheitsproblem wurde erkannt, das bei ...	vs10sp1-kb2565...
2645410	Sicherheitsupdate für Microsoft Visual Studio 20...	Ein Sicherheitsproblem wurde erkannt, das bei A...	vs10sp1-kb2645...
2850036	Service Pack 1 für Microsoft Office 2013 (KB 28...	Service Pack 1 für Microsoft Office 2013 32-Bit...	clientsharedmuis...
3039798	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	ieawsdco-x-none...
3039794	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	mscomctlocx-x-n...
3039746	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	otkruntimertl-x-n...
2979596	Microsoft SQL Server 2008 Service Pack 4 (KB...	Mit Service Pack 4 für Microsoft SQL Server 20...	sqlserver2008sp...
3191937	Sicherheitsupdate für Skype for Business 2015 (...)	Skype for Business 2015 32-Bit-Edition enthält ei...	lynchelp-de-de_...
3162051	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	dcf-x-none_230...
3213564	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	conv-x-none_fe...
4011580	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	eqned32-x-non...
4022188	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	ose-x-none_865...
4022189	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	osetup-x-none_b...
3172522	Sicherheitsupdate für Microsoft Office 2013 (KB...	Microsoft Office 2013 32-Bit-Edition enthält ein S...	msoshevi-x-none...



< Back
Next >
Finish

Output

The list contains the following information:

- KB number
- Title
- Description
- File name


3.4.3.2.4 View event log

Get WSUS Content .NET logs many events. These can be viewed.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320



- Setup
 - Windows Update Agent
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 - Cross-functional tools
 - Download driver (Local)
 - Download driver (Network)
 - Create Windows DVD
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 - Create new update directory
 - Download components for Windows XP a
 - Update Sysinternals-Suite
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 - Temporary WSUS connection
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- Settings
- Help
 - Execute as different user
 - Favorites

Event log

The below listed report displays the most important data

Date and time	Notice
28.11.2021 17:28:14	The image C:\Updates\DVD.iso has been created.
28.11.2021 10:13:24	Duration: 5,16 Minutes
28.11.2021 10:13:24	End of examination:10:13:24
28.11.2021 10:09:39	The offline catalogue was downloaded.
28.11.2021 10:08:15	The offline catalogue will be downloaded from the Microsoft Servers.
28.11.2021 10:08:15	Start of examination: 10:08:15
28.11.2021 10:08:14	Duration: 0,19 Minutes
28.11.2021 10:08:14	End of examination:10:08:14
28.11.2021 10:08:14	The download of the following KB number is incorrect: 5007186
28.11.2021 10:08:14	The download of the following KB number is incorrect: 4023057
28.11.2021 10:08:03	Start of examination: 10:08:03
28.11.2021 08:00:54	The following updates are not installed on the computer
28.11.2021 08:00:54	Duration: 5,94 Minutes
28.11.2021 08:00:54	End of examination:08:00:54
28.11.2021 07:56:22	The offline catalogue was downloaded.
28.11.2021 07:54:58	The offline catalogue will be downloaded from the Microsoft Servers.
28.11.2021 07:54:58	Start of examination: 07:54:58

< Back Next > Finish

Output

The list contains the following information:

- Date and time of the log entry
- The actual message


3.4.3.2.5 Show information of a network computer

Common information about a network computer can be determined with this task.

Get WSUS Content .NET

Get WSUS Content .NET 2.9.0.0 - Hybrid Search

© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320



- Setup
 - Windows Update Agent
 - Windows Server Update Services
 - Cross-functional tools
 - Download driver (Local)
 - Download driver (Network)
 - Create Windows DVD
 - Start network installation
 - View descriptions
 - View event log
 - Show information from a network computer
 - Create new update directory
 - Download components for Windows XP a
 - Update Sysinternals-Suite
 - Open System Restore
 - Temporary WSUS connection
 - Windows Update Settings
- Information
- Settings
- Help
- Execute as different user
- Favorites

Determine computer information


For the given computer the below mentioned information will be displayed

Input

Computer:

Admin password:

Operating system:	Microsoft Windows Server 2012 R2 Datacenter
Version:	6.3.9600
Service Pack:	Not specified
Architecture:	64-Bit
Processor:	Intel(R) Core(TM) i3-6100 CPU @ 3.70GHz


< Back
Next >
Finish

Output

Computer

The computer whose information is to be determined.

Admin password

The password of the "Administrator" account.

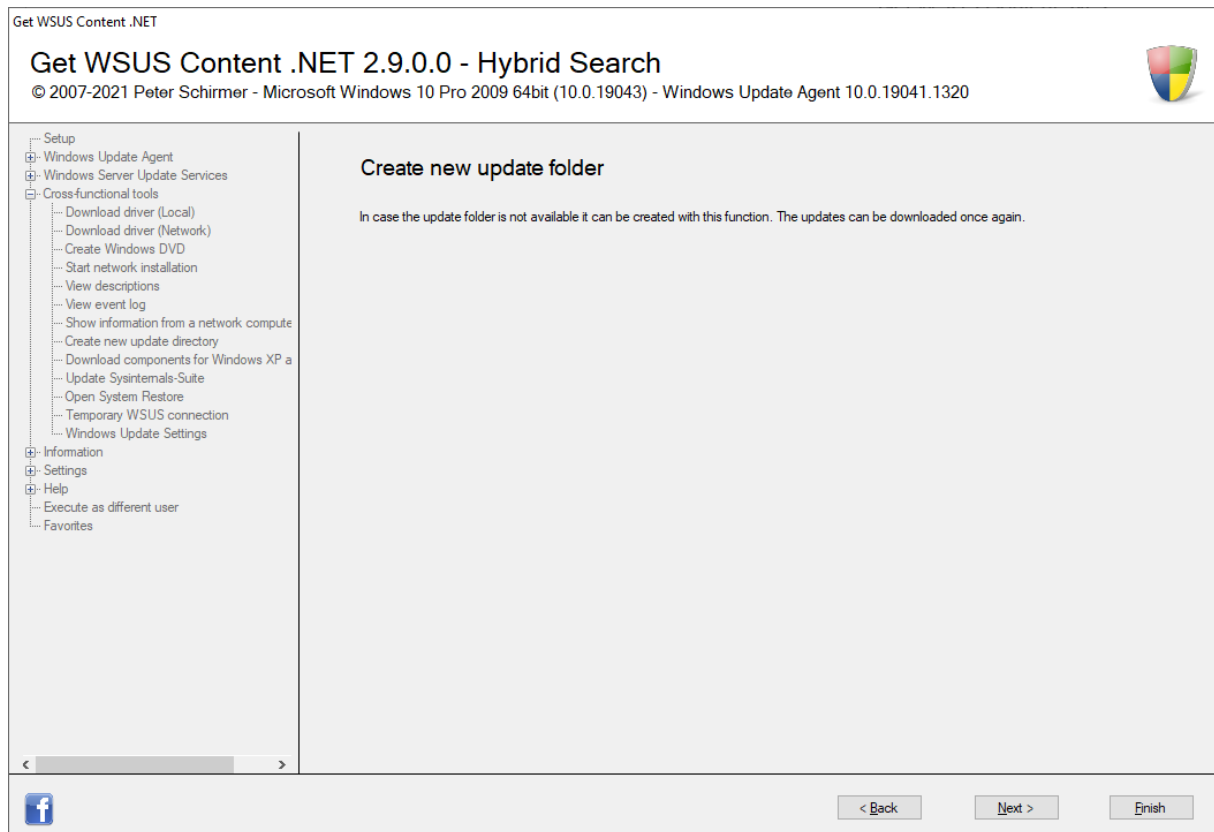
After clicking on "Next", Get WSUS Content .NET determines the following data:

- Operating system
- Version
- Service Pack
- Architecture
- Processor

During execution, the password entered is removed again for security reasons.

3.4.3.2.6 Create new update directory

If the update directory (default: C:\Updates) is damaged, it can be recreated.

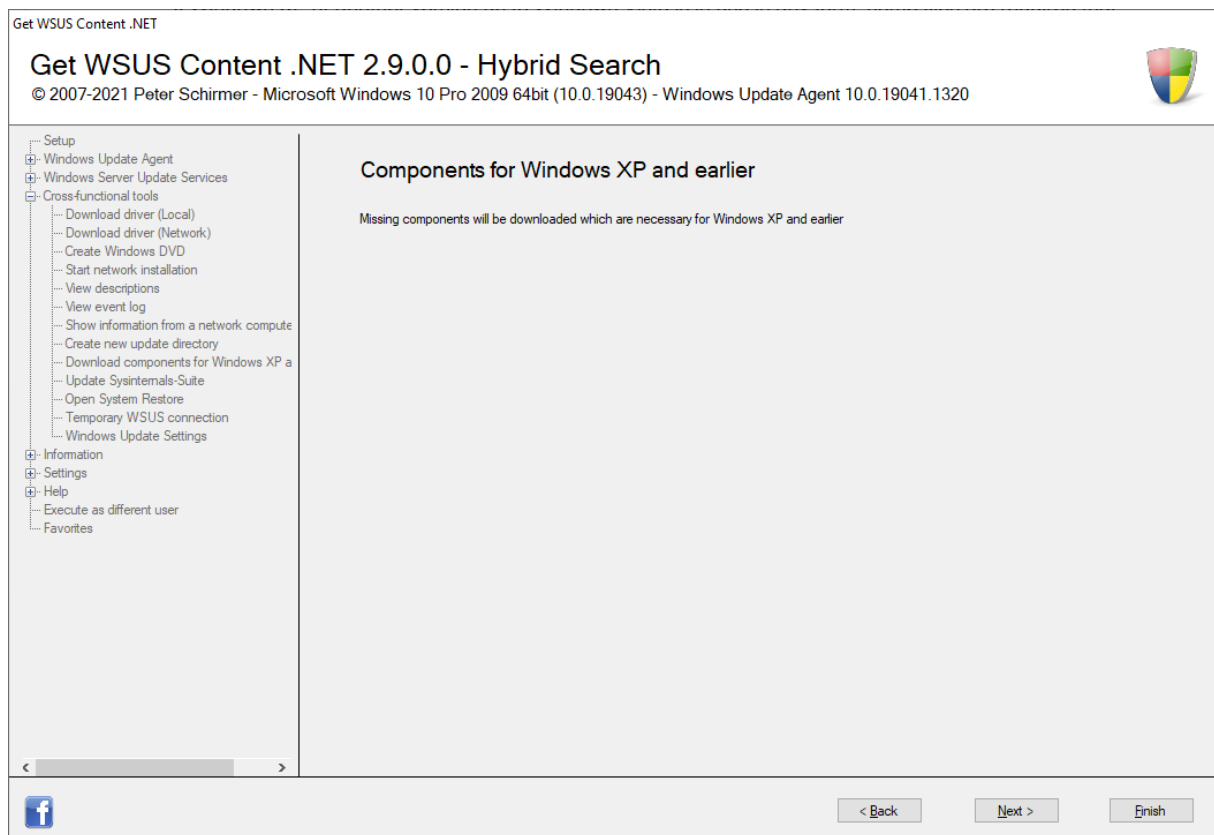


Initial screen

After clicking on "Next", all files necessary for operation are copied and the updates can then be downloaded and processed again.

3.4.3.2.7 Download components for Windows XP and earlier

If Windows XP or another version up to Windows Vista is in use in any form, some files are required that are already included in the operating system in newer versions.

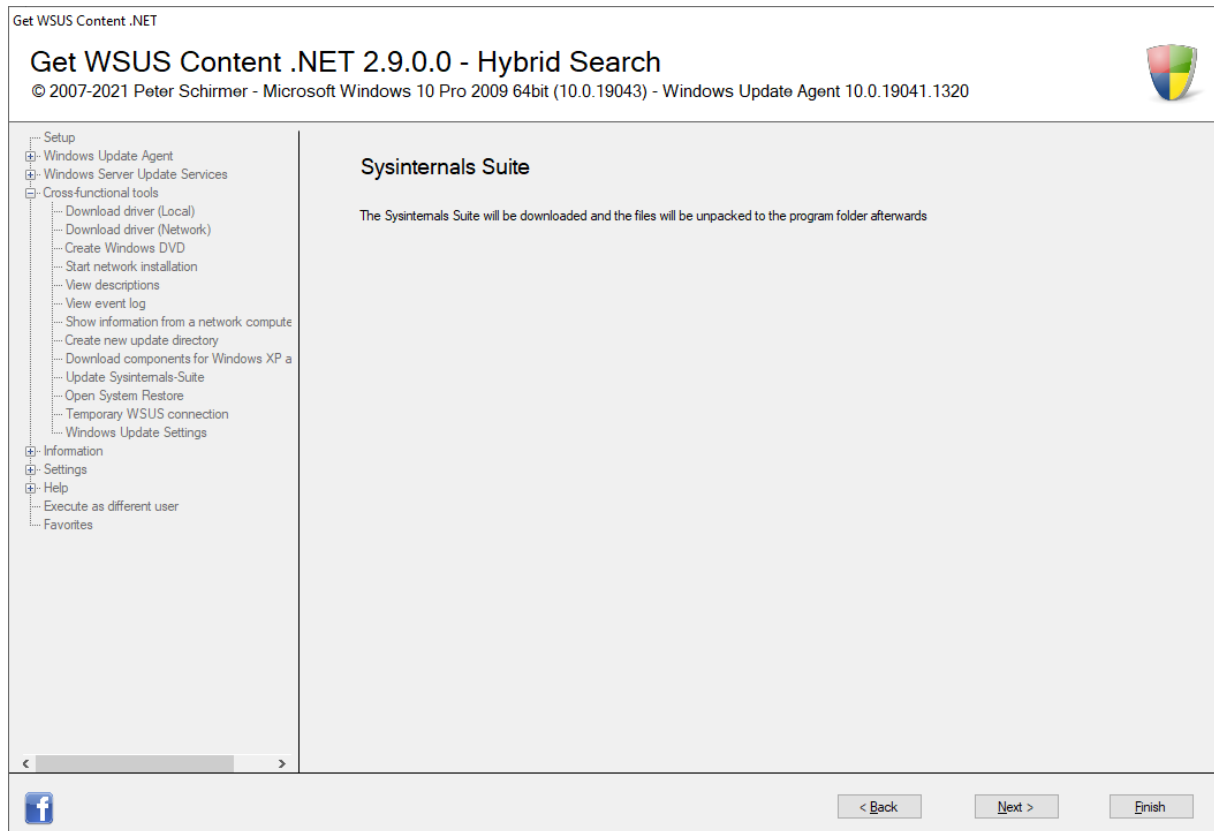


Initial screen

After clicking on "Next", the files are downloaded, unpacked and copied into the corresponding directories.

3.4.3.2.8 Update Sysinternals Suite

For some tasks, the programmes from Microsoft's Sysinternals Suite are required.

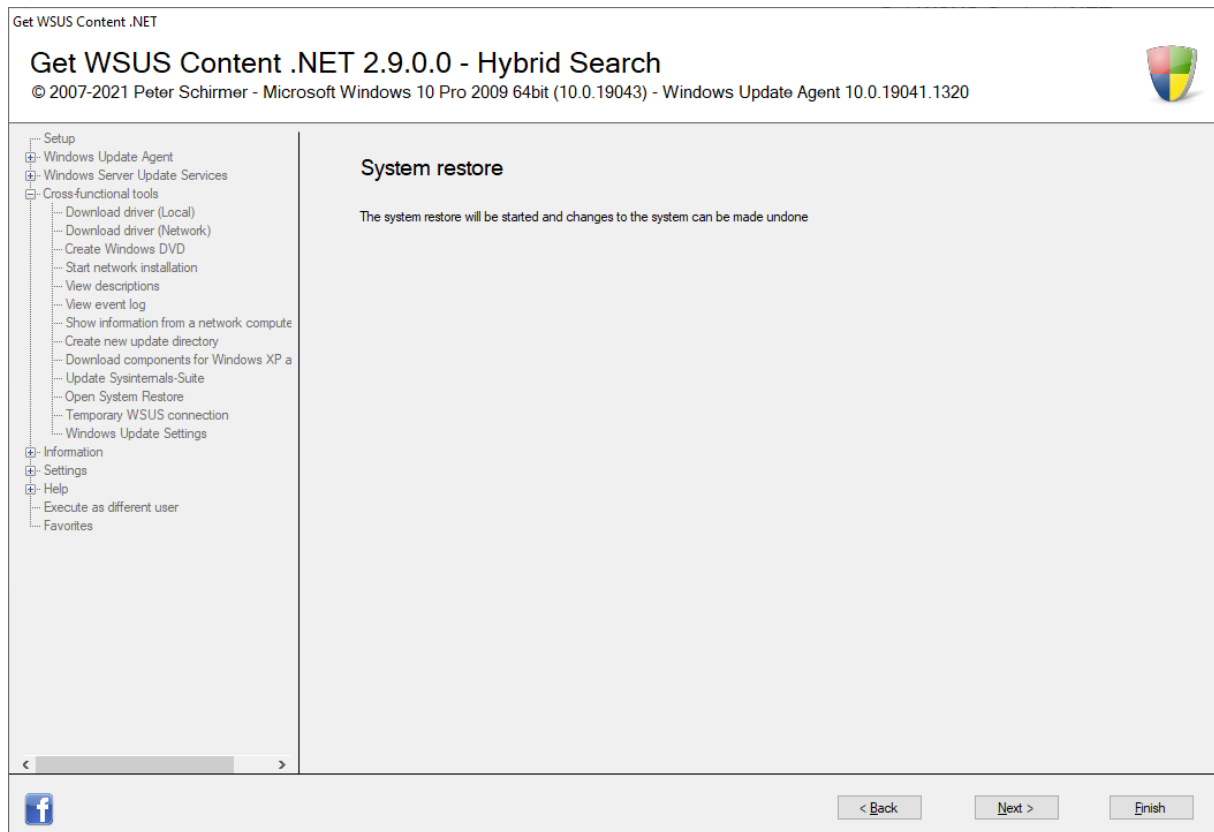


Initial screen

After clicking on "Next", the package is downloaded from the Microsoft servers and copied to the appropriate directories.

3.4.3.2.9 Open System Restore

When installing updates, restore points are created to which you can go back in case of problems.



Initial screen

After clicking on "Next", the system restore is called up and a restore point can be selected. The system is thus reset to this point.

3.4.3.2.10 Temporary WSUS connection

Get WSUS Content .NET can temporarily connect computers to a WSUS server present on the network.

Get WSUS Content .NET 2.9.0.0 - Hybrid Search
© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320

Establish temporarily connection to a WSUS server

Please enter the following information to create a short-term connection with a WSUS-Server

Establish connection

☒ I would like to establish a connection to a WSUS server

WSUS-Server:
Example: http://intranetUpd01

WSUS-Status-Server:
Example: http://intranetUpd01

Alternative Download server:
Example: http://intranetUpd01

Computer group:

Computer:
Use name or IP address

Remove connection

☐ I would like to remove the connection to a WSUS server

< Back Next > Finish

Temporarily connect to a WSUS server

I would like to establish a connection to a WSUS server

The following information is used to establish a connection to the WSUS server.

WSUS server

The WSUS server from which the files are obtained.

WSUS status server

The server where the report data is uploaded for analysis.

Alternative download server

As of Windows 10 1607, the alternative download server is used to download files from another download server instead of the update service on the intranet. This setting is only evaluated by Windows 10 1607 and has no effect on older versions.

Computer group

The group to which the computer in question is assigned on the WSUS server.

Computer

If the entry corresponds to the name of the computer on which Get WSUS-Content .NET is running, this local computer is connected to the WSUS server. If a different name is entered, it will be interpreted as a network computer and connected to the WSUS server. In this case, Get WSUS Content .NET must be executed under a different user (cf. Chapter 3.8).

After clicking on "Next", the settings are set and the computer can obtain the updates from the WSUS server.

The updates are installed automatically according to the defined schedule and corresponds to option 4 in the group policies ("4 - Automatic download and install according to schedule").

I would like to remove the connection to a WSUS server

The connection to the WSUS server is removed again and reset to the default settings of the Windows Update Agent (automatic installation). These can be fine-tuned with the "Windows Update Settings" task (Chapter 3.4.3.2.11).

3.4.3.2.11 Windows Update settings

Since Windows 10, it is no longer possible to make adjustments to Windows Update via the graphical settings. Updates are downloaded and installed automatically. With Get WSUS Content .NET, these settings can still be set. Most of them can also be used for systems up to and including Windows 8.1.

Get WSUS Content .NET 2.9.0.0 - Hybrid Search
© 2007-2021 Peter Schirmer - Microsoft Windows 10 Pro 2009 64bit (10.0.19043) - Windows Update Agent 10.0.19041.1320

Settings for Microsoft Update

Specify if the computer shall get updates for Microsoft products by Windows Update

Target

☒ This computer

☐ Network computer:

Password computer\admin

Settings

☐ Do not use Microsoft Update

☒ Use Microsoft Update

Options:

Scheduled install day:

Scheduled install time:

☐ Defer updates (only Windows 10 and higher)

☐ Take back settings

Windows 10 Upgrade

☐ Deactivate automatic update to Windows 10 (including Windows 8.1)

< Back Next > Finish

Settings for Microsoft Update

This computer and network computer

The settings can be set for the PC running Get WSUS Content .NET or for network computers. For use with a network computer, enter the name of the computer and the password of the "Administrator" account of the target computer.

Do not use Microsoft Update

The Microsoft Update service is deactivated and no updates can be found and downloaded.

Use Microsoft Update

The service is activated and can be refined with the following settings:

Notify before download and installation

Microsoft Update does not automatically download and install updates. Instead, a notice is displayed indicating new updates to trigger the download and installation manually.

Download automatically, but notify before installation

The download is automatic, but the installation must be triggered manually.

Download automatically and install according to schedule

The files are downloaded automatically and the installation takes place on the specified day at the specified time.

Allow local administrator to select setting

Local administrators are allowed to select a configuration option. However, local administrators are not allowed to disable "Microsoft Update".

Defer updates (only from Windows 10)

As of Windows 10, it is possible to postpone updates for a certain period of time before installing them. If this function is used in an environment with a WSUS server, the WSUS server is automatically bypassed.

Take back settings

The settings made can be undone.

Windows 10 Upgrade

For versions up to and including Windows 8.1, the Windows 10 Upgrade Assistant is displayed, which performs the upgrade to Windows 10. This wizard can be prevented with this function.

3.4.4 Information

Information is stored by Get WSUS Content .NET in various files and directories. These can be opened and viewed.

3.4.4.1 Open update folder

The update directory contains all downloaded updates and unpacked files, as well as the directories necessary for integrating the updates into Windows and Office DVDs.

The default directory is C:\Updates.

3.4.4.2 Open programme folder

The programme directory contains all files that are necessary for the execution of Get WSUS Content .NET. When restoring the update directory, some files are copied from this directory.

The default directory is C:\Programmes\GWC.

3.4.4.3 Open backup folder

Get WSUS Content .NET saves files such as the list of updates found, the list of files to exclude, etc. in the backup directory.

The default directory is the "GWC Backups" folder in the "Documents" folder.

3.4.4.4 Open update file

The update file "Updates.csv" is opened with the standard programme. The update file contains all registered updates, including the installation parameters and descriptions.

3.4.4.5 Open information file

The information file "Infos.txt" is opened with the standard programme. The file contains basic information about each update (e.g. the download address).

3.4.4.6 Open exclude file

The file "Exclude_KB.txt", which lists all KB numbers that are not to be processed further, is opened with the standard programme.

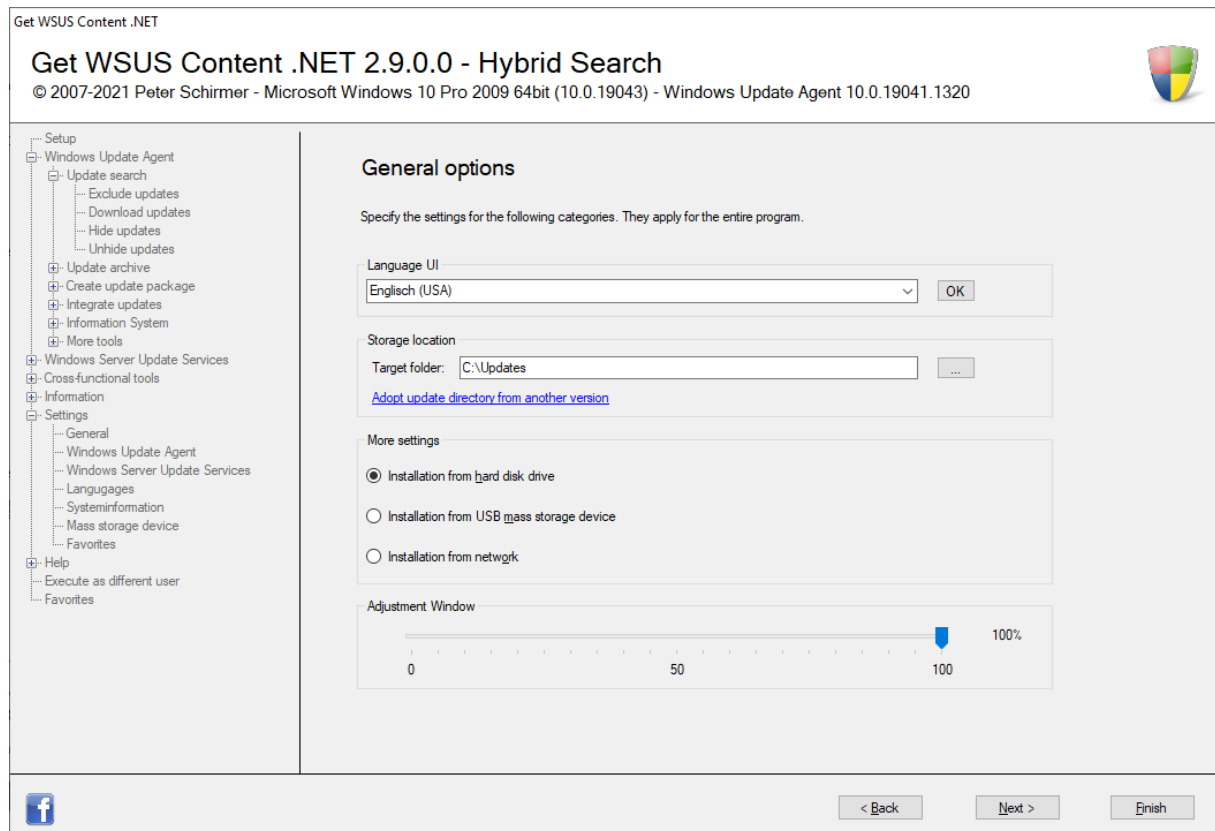
3.4.4.7 Show Windows Update Agent return values

Error codes that may occur during execution are listed by Microsoft under the link called.

3.5 Settings

3.5.1 General

General settings that apply to different areas are made here.



General settings

Language UI

The language can be changed by selecting between German and English and then clicking on "OK". The language is changed immediately.

Storage location

Storage location of the update directory. It contains all updates and internal programme files that are created and stored via the various tasks.

Adopt update directory of another version

The content of the update directory of another version is taken over.

Installation from hard drive

All files necessary for the installation of the updates are copied into the user's temporary directory and a shortcut to it is created on the desktop. The installation starts with a double click on the shortcut.

Installation from USB mass storage device

All files necessary for the installation of the updates are copied to a USB stick, which can be selected in the respective dialogue. The installation is started by double-clicking on the file "Installer.exe".

Installation from network

All files necessary for the installation of the updates are copied into the network folder of the update directory (default: C:\Updates\Network). The share "GWC" is automatically created, which may still have to be configured (access authorisations, etc.). The updates are then copied from there to the target computers. To use this setting, the password of the "Administrator" account of the target computer must be entered in the respective dialogues.

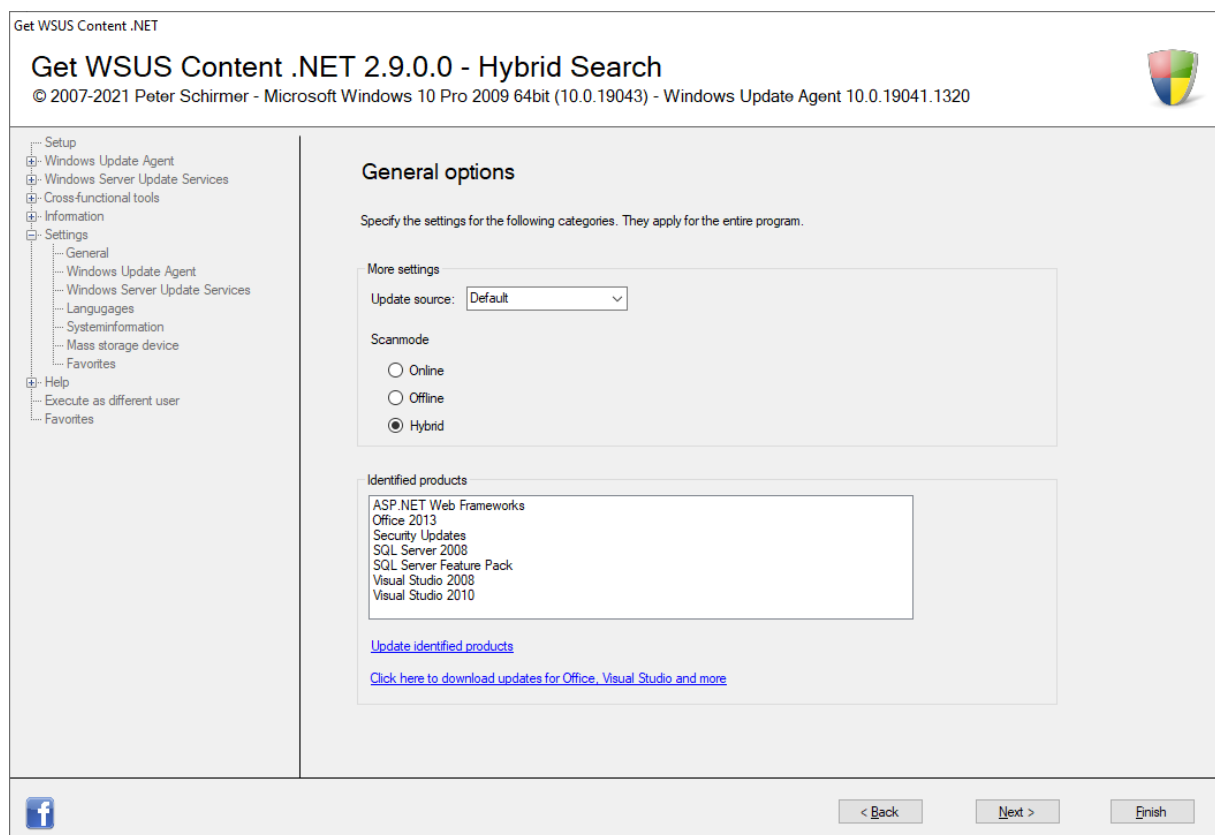
Adjustment window

On computers with a high font size setting, the "Back", "Next" and "End" buttons are not necessarily visible. Scaling reduces the size of the window at the bottom, e.g. to 90% of the original size.

After clicking on "Next", the selected settings are set.

3.5.1 Windows Update Agent

Settings that affect the update source are made here.



Settings for the update source

It is possible to specifically specify the update source:

Default

Up to and including Windows 10 1511, updates are searched for on Microsoft Update or a WSUS server, if this is available. All products and all classifications are taken into account.

As of Windows 10 1607, updates are only checked for on Microsoft Update

WindowsUpdate

Only Windows Update is searched and not Microsoft Update or a local WSUS server. Furthermore, only security-relevant updates are searched for and not other products or classifications.

ManagedServer

Updates are searched for exclusively on a WSUS server if it is configured. All products and all classifications that have been released on the WSUS server are taken into account.

Scan mode

The search for updates and drivers can be done online, offline or hybrid.

Online

The search for updates takes place online on the Microsoft servers.

Offline

The search is not carried out on the Microsoft servers, but on the local computer. For this purpose, the file "wsusscn2.cab" is downloaded and its content is used for scanning. This mode cannot be used when scanning over the network. This is not intended by Microsoft.

Hybrid

Online and offline searches are carried out one after the other and the results are combined. This mode has been standard since version 2.9.

A list of the products present on the scanned machine is listed below.

Update identified products

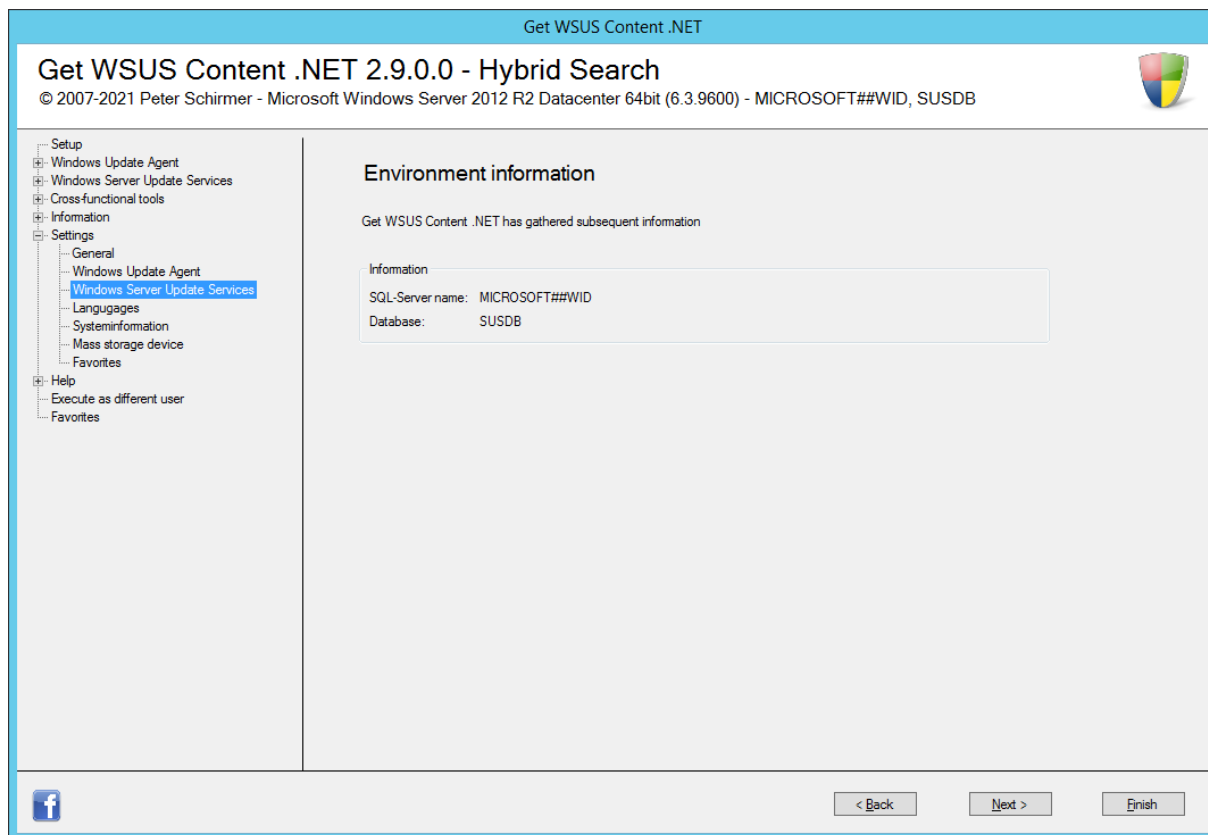
The list of detected products is refreshed and displayed.

Click here to download updates for Office, Visual Studio and more

By default, only Windows Updates are taken into account with Windows Update. Up to and including Windows 8.1, other products such as Microsoft Office can be taken into account via this link. From Windows 10 onwards, the link no longer has any effect and the setting can be found under "Update and Security" in the advanced options.

3.5.1 Windows Server Update Services

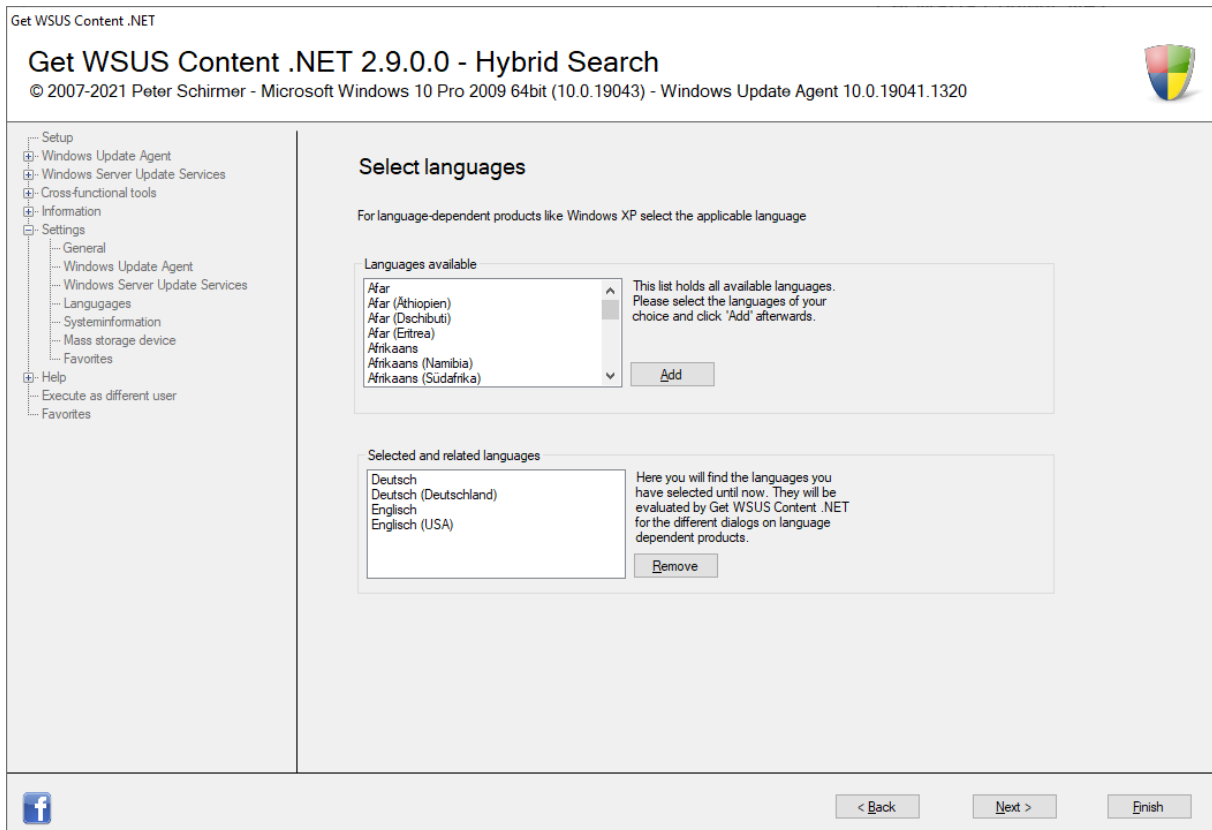
If Get WSUS Content .NET is executed on a WSUS server, the information about the database is listed here.



Database information

3.5.2 Languages

Up to and including Windows XP, the systems were language-dependent. The languages that are selected have an effect on the selection of files in the dialogues. Since Windows Vista this is no longer relevant - for reasons of compatibility they are still included.



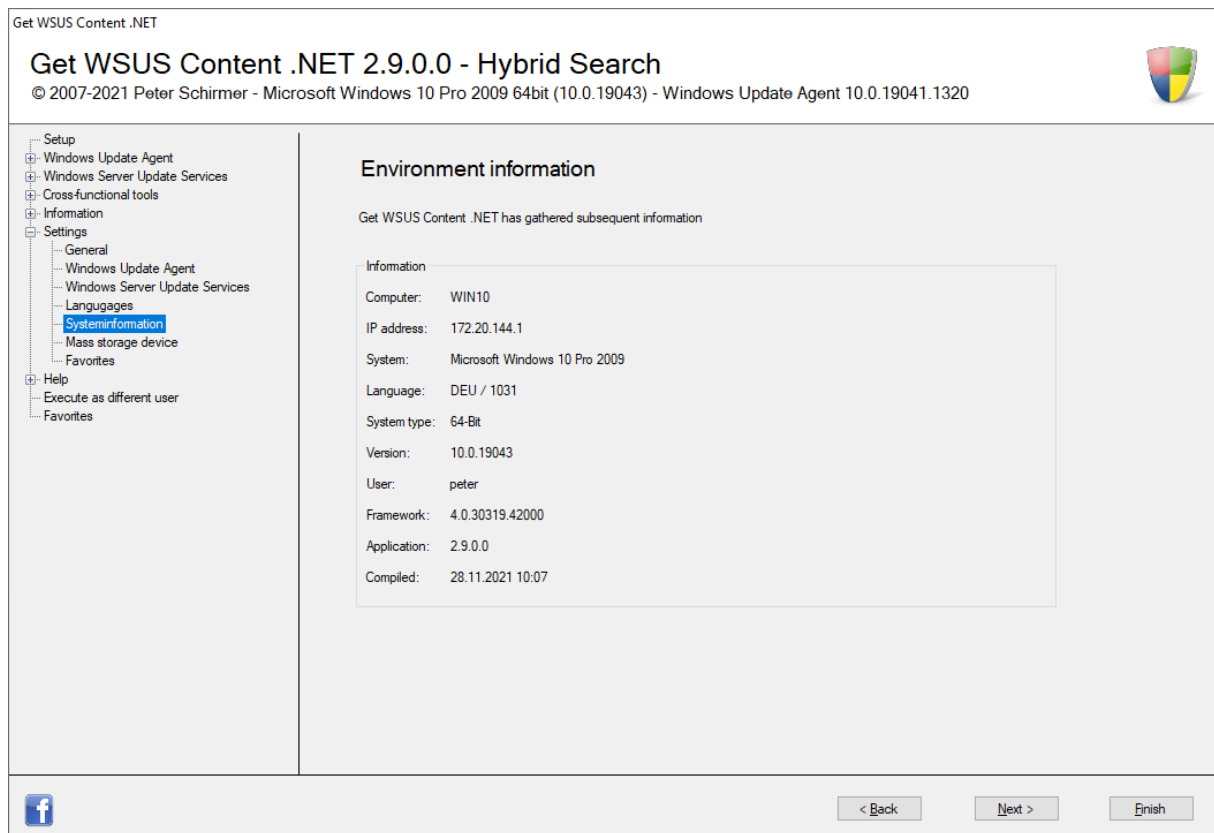
Language settings (up to and including Windows XP)

Select the language for the updates that will be evaluated in the various tasks and click on "Add". The language appears in the lower list. If the language is to be removed again, select the entry in the lower list and click on "Remove".

After clicking on "Next", the settings are saved.

3.5.3 System information

Information about the system on which Get WSUS Content .NET is running is displayed.



System information

3.5.4 Mass storage device

With Get WSUS Content .NET it is possible to create a bootable USB stick.

Create bootable USB stick

Mass storage device

First select the stick by means of the drive. You can check whether the correct stick has been selected by clicking on the link "Show in Explorer".

I would like to prepare the mass storage device and copy the data

If you want to use a stick that is not yet bootable, select this option. At least two partitions are necessary for the stick to be bootable. The size of the primary partition is suggested as 98% - depending on the size of the stick, the partition is also displayed in MB.

After clicking on "Next", the following message appears:

Note

The selected USB stick is deleted according to your specifications, repartitioned and the Windows image is transferred. Note: If you have selected the wrong drive, the entire content is irrevocably lost.

No

The operation is cancelled.

I would like to copy the data only

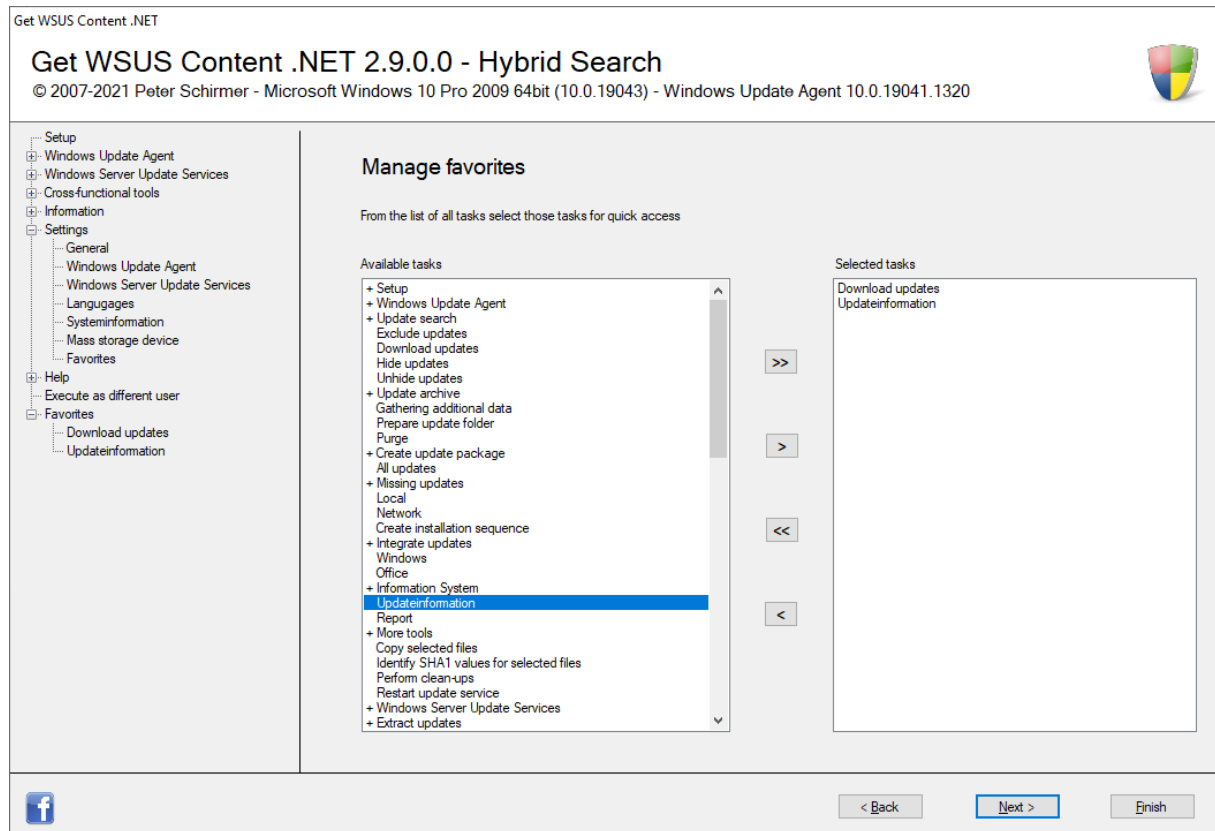
If you only want to copy the files because the selected USB stick is already bootable, select this option.

Product key

You can specify the product key for the Windows system so that it does not have to be specified during setup.

3.6 Favorites

The most frequently required tasks can be created as favourites.



Create favourites

Available tasks

This list contains all entries from the task tree on the left side. The entries with a "+" represent the nodes of the task tree. The entries can be selected via the buttons in the middle.

Button	Action
>>	Transfers all entries found as a favourite
>	Transfers only the currently marked entry as a favourite
<<	Undoes the action
<	Undoes the action by selecting the entry on the right-hand side

After clicking on "Next", the favourites are created or existing ones are removed. The selection is then displayed in the task tree on the left-hand side.

3.7 Help

The brief instructions and the manual can be called up directly from the programme.

Quick guide

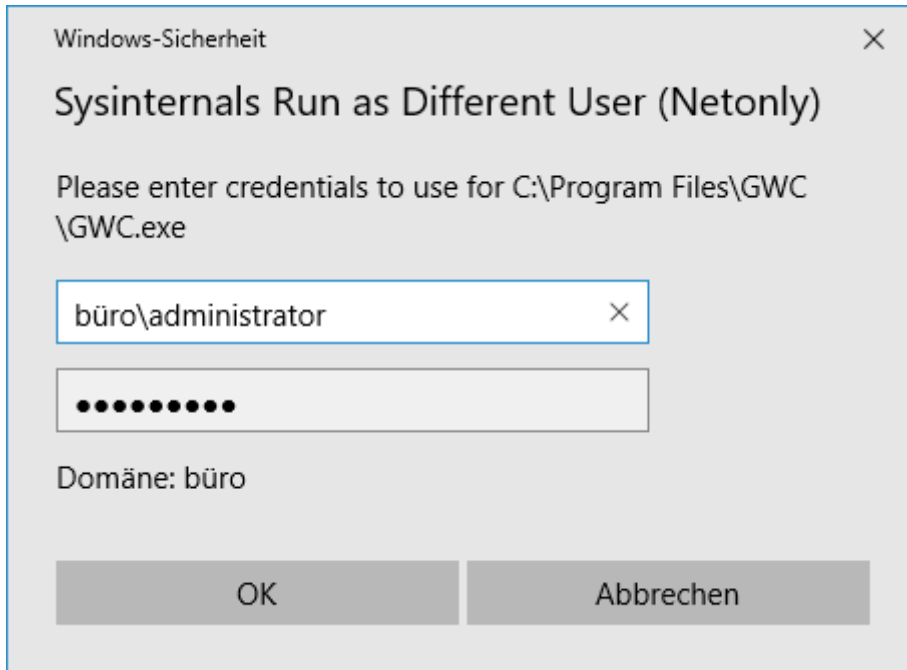
These are illustrated instructions without additional explanations.

Manual

This manual is called up.

3.8 Execute as different user

If there are several computers in a network, various functions of Get WSUS Content .NET can also be used for network computers. First try using the password of the "Administrator" account of the target computer in the respective dialogues for network functions.



Computer name "Office", user "Administrator" and the password

Enter the name of the computer and the user account "Administrator". Finally, enter the password. Get WSUS Content .NET restarts and you can execute the functions on the remote computer.

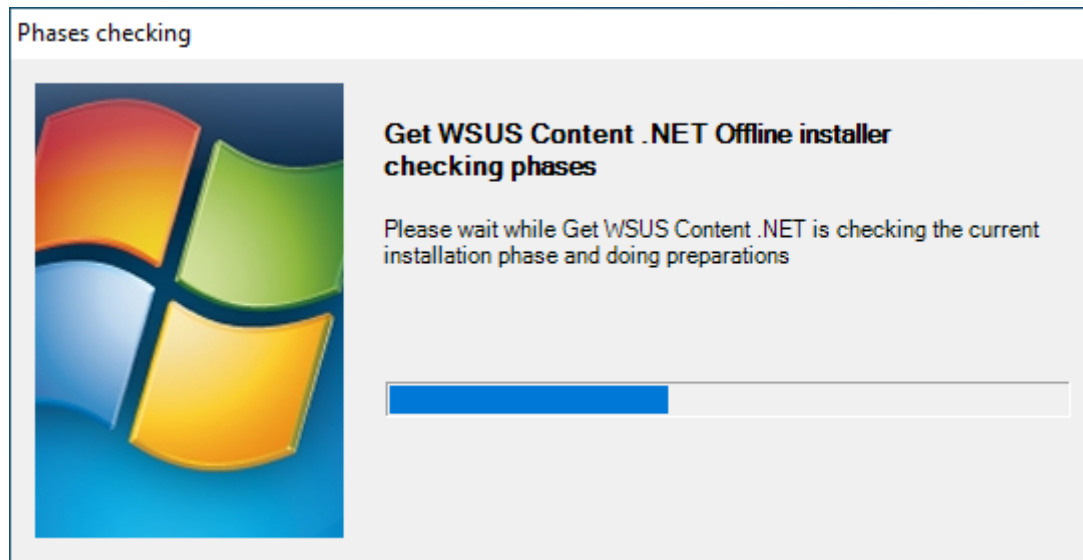
The prerequisite is that the "Administrator" account is activated and provided with a password. It is not sufficient to select an account that has administrator rights. It must be the "Administrator" account.

4. Installing the updates without an internet connection

This chapter explains how to set up the updates with the convenient offline installer. The installer supports two modes: interactive mode on the one hand and passive mode on the other.

4.1 Interactive mode

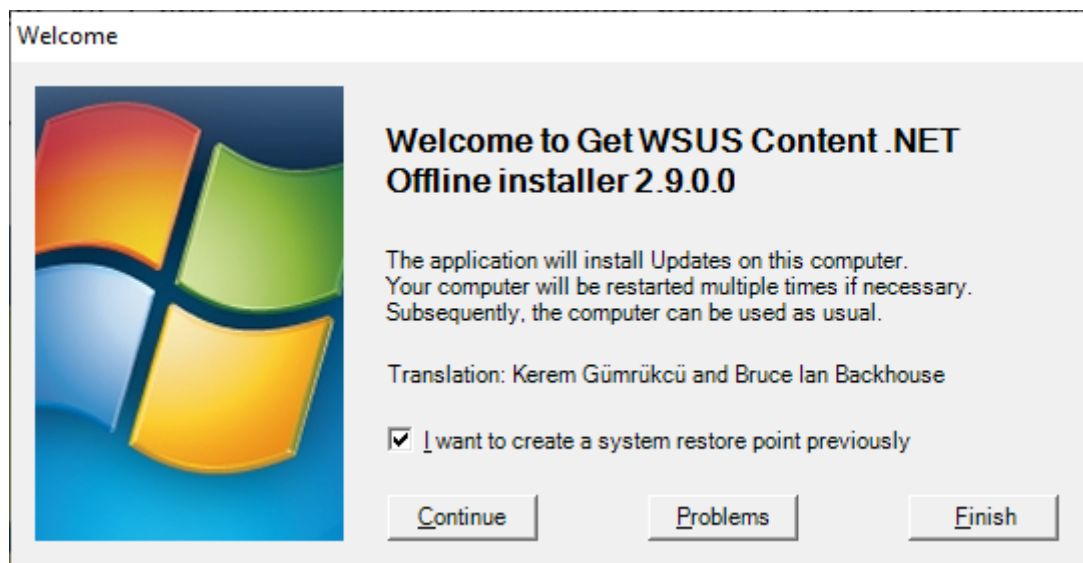
In interactive mode, the individual dialogues are to be confirmed with "Next" and you can decide whether you want to create a restore point or not.



Testing the phases

Start the installation from the desktop via the "Install Updates Now" shortcut or the "Installer.exe" file from the directory in which the updates to be installed are located.

Get WSUS Content .NET first checks which installation phase it is in. The following dialogue then appears:



Welcome screen

I want to create a system restore point previously

A restore point is created even before the installation and you can go back to this state in case of a problem.

Continue

Forwards to the next step.

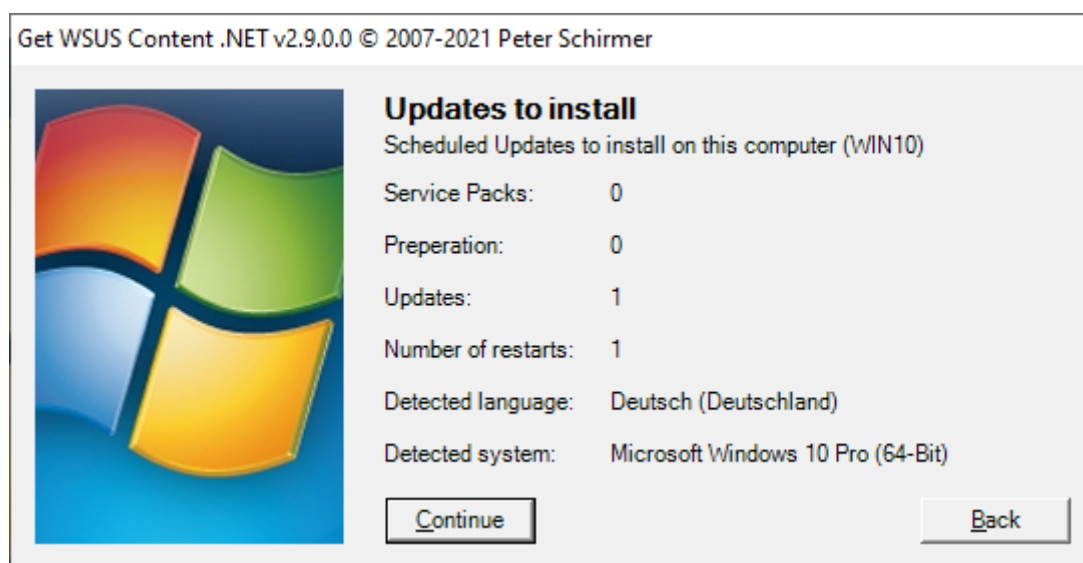
Problems

If a running installation causes problems, all subsequent, scheduled installations are skipped and jumped to the end. This will properly complete the installation in progress.

Finish

Ends the interactive installation without making any changes to the system.

After clicking on "Next", a dialogue appears listing how many updates are planned to be installed in which phase and how many restarts are necessary for this.



Overview

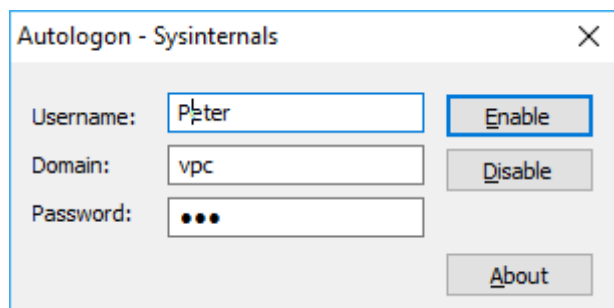
Continue

Forwards to the next step.

Back

Jumps back to the initial screen.

After clicking on "Next", the automatic registration is requested.



Automatic restart

Enable

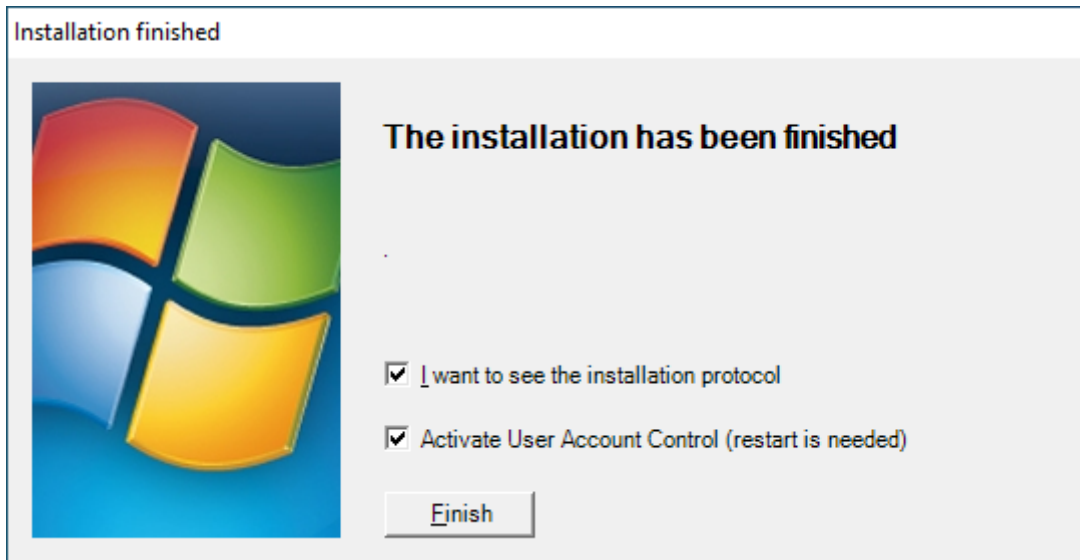
Activates automatic login with the specified user, computer / domain and password.

Disable

The automatic login is deactivated.

After clicking on "Enable", the installation is started. On the one hand, the user account control and Windows Update are deactivated for the duration of the installation. At the end, both functions are reactivated.

At the end of the installation, Get WSUS Content .NET indicates that the installation has been completed.

*Overview***I want to see the installation protocol**

The individual logged entries are listed and further information is displayed that can be helpful in analyzing problems.

Activate user account control (restart is needed)

Since the user account control is deactivated when the installation is started, it can be reactivated here (default setting). However, a restart is necessary for activation.

After clicking on "End", the log is displayed depending on the selected settings and the computer is restarted after closing the same.

This completes the installation and you can use your computer as usual.

4.2 Passive installation

The passive installation is intended for network installations - no intervention is necessary and the restore point is always created. In the process, the directory C:\Updates\Network is released as "GWC" on the computer on which Get WSUS Content .NET is run.

For this share, you must set up a user who can access it. At the same time, this user must have NTFS-level access to the files in the directory.

If the requirements are met, the necessary data is transferred to the target computer during the network installation and the installation starts.

If you have decided not to store a password for automatic logon, as this is transmitted in plain text, you must set up automatic logon before installation or log the user on to the system independently.

5. Glossary

Term	Explanation
Windows Update Agent	Technology from Microsoft that searches for updates exclusively for Windows systems
Microsoft Update	Technology from Microsoft that is used to search for updates for other products in addition to updates for Windows systems, e.g. Microsoft Office.
WSUS	Windows Server Update Services. Technology from Microsoft that distributes updates in the network. Requires Windows Server 2003 or higher.
WIM	Windows Imaging File. Hard disk image which is used from Windows Vista onwards during setup.
ESD	Electronic Software Delivery. More compressed hard disk image than WIM.

6. Download addresses

6.1 Basic components for Windows XP

- Windows Installer 4.5
<http://www.microsoft.com/downloads/details.aspx?FamilyID=5a58b56f-60b6-4412-95b9-54d056d6f9f4&display-Lang=de#top>
- Microsoft .NET Framework 4
http://download.microsoft.com/download/9/5/A/95A9616B-7A37-4AF6-BC36-D6EA96C8DAAE/dot-NetFx40_Full_x86_x64.exe
- Windows Update Agent 3
<http://download.windowsupdate.com/WindowsUpdate/redist/standalone/7.2.6001.784/WindowsUpdateAgent30-x86.exe>

6.2 Windows Update Agent Search for Windows 7

6.2.1 32bit system

- windows6.1-kb3078601-x86_4f9dbab91f23d4f39f6594026a740c0ea8507a7b.msu
http://download.windowsupdate.com/d/msdownload/update/software/secu/2015/08/windows6.1-kb3078601-x86_4f9dbab91f23d4f39f6594026a740c0ea8507a7b.msu
- windows6.1-kb3125574-v4-x86_ba1ff5537312561795cc04db0b02fbb0a74b2cbd.msu
<http://catalog.update.microsoft.com/v7/site/search.aspx?q=kb3125574>
- windows6.1-kb3020369-x86_82e168117c23f7c479a97ee96c82af788d07452e.msu
http://download.windowsupdate.com/d/msdownload/update/software/updt/2015/04/windows6.1-kb3020369-x86_82e168117c23f7c479a97ee96c82af788d07452e.msu
- windows6.1-kb3172605-x86_ae03ccbd299e434ea2239f1ad86f164e5f4deeda.msu
http://download.windowsupdate.com/d/msdownload/update/software/updt/2016/09/windows6.1-kb3172605-x86_ae03ccbd299e434ea2239f1ad86f164e5f4deeda.msu
- windows6.1-kb3205394-x86_e477192f301b1fbafc98deb94af80c6e94231e54.msu
http://download.windowsupdate.com/d/msdownload/update/software/secu/2016/12/windows6.1-kb3205394-x86_e477192f301b1fbafc98deb94af80c6e94231e54.msu

6.2.2 64bit system

- windows6.1-kb3078601-x64_df86415b7464c74c360cc7d2f2d9a3e49509bcf1.msu
http://download.windowsupdate.com/d/msdownload/update/software/secu/2015/08/windows6.1-kb3078601-x64_df86415b7464c74c360cc7d2f2d9a3e49509bcf1.msu
- windows6.1-kb3125574-v4-x64_2dafb1d203c8964239af3048b5dd4b1264cd93b9.msu
<http://catalog.update.microsoft.com/v7/site/search.aspx?q=kb3125574>
- windows6.1-kb3020369-x64_5393066469758e619f21731fc31ff2d109595445.msu
http://download.windowsupdate.com/d/msdownload/update/software/updt/2015/04/windows6.1-kb3020369-x64_5393066469758e619f21731fc31ff2d109595445.msu
- windows6.1-kb3172605-x64_2bb9bc55f347eee34b1454b50c436eb6fd9301fc.msu
http://download.windowsupdate.com/d/msdownload/update/software/updt/2016/09/windows6.1-kb3172605-x64_2bb9bc55f347eee34b1454b50c436eb6fd9301fc.msu
- windows6.1-kb3205394-x64_71d0c657d24bc852f074996c32987fb936c07774.msu
http://download.windowsupdate.com/c/msdownload/update/software/secu/2016/12/windows6.1-kb3205394-x64_71d0c657d24bc852f074996c32987fb936c07774.msu

6.3 More tools

- Device Remover
<http://www.pro-it-education.de/software/deviceremover/>
- RUNASSPC
<http://www.robotronic.de/runasspc.html>