Get WSUS Content .NET
- Brief instruction -

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

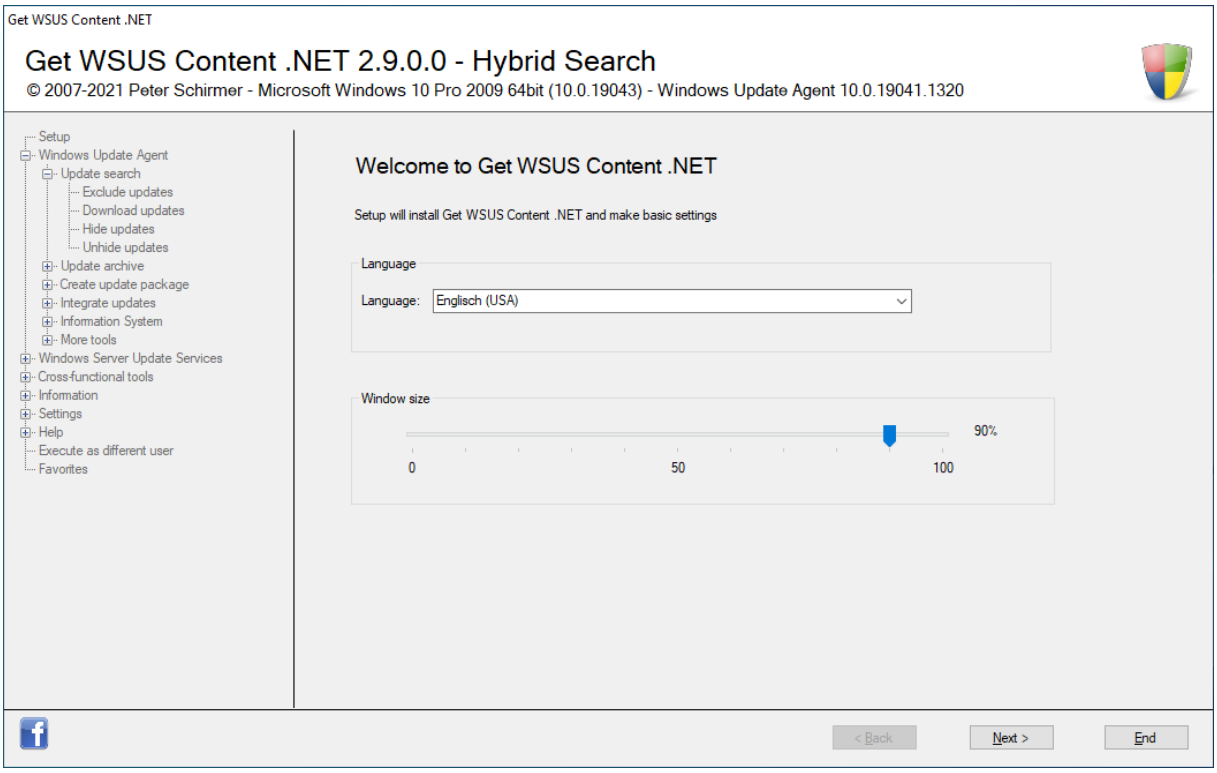
Updates can be obtained in various ways. For companies, there are Windows Server Updates Services, WSUS for short. These store the updates on a server and distribute them to the individual clients. For users who do not have a WSUS server available, examine the computers with the Windows Update Agent.

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.

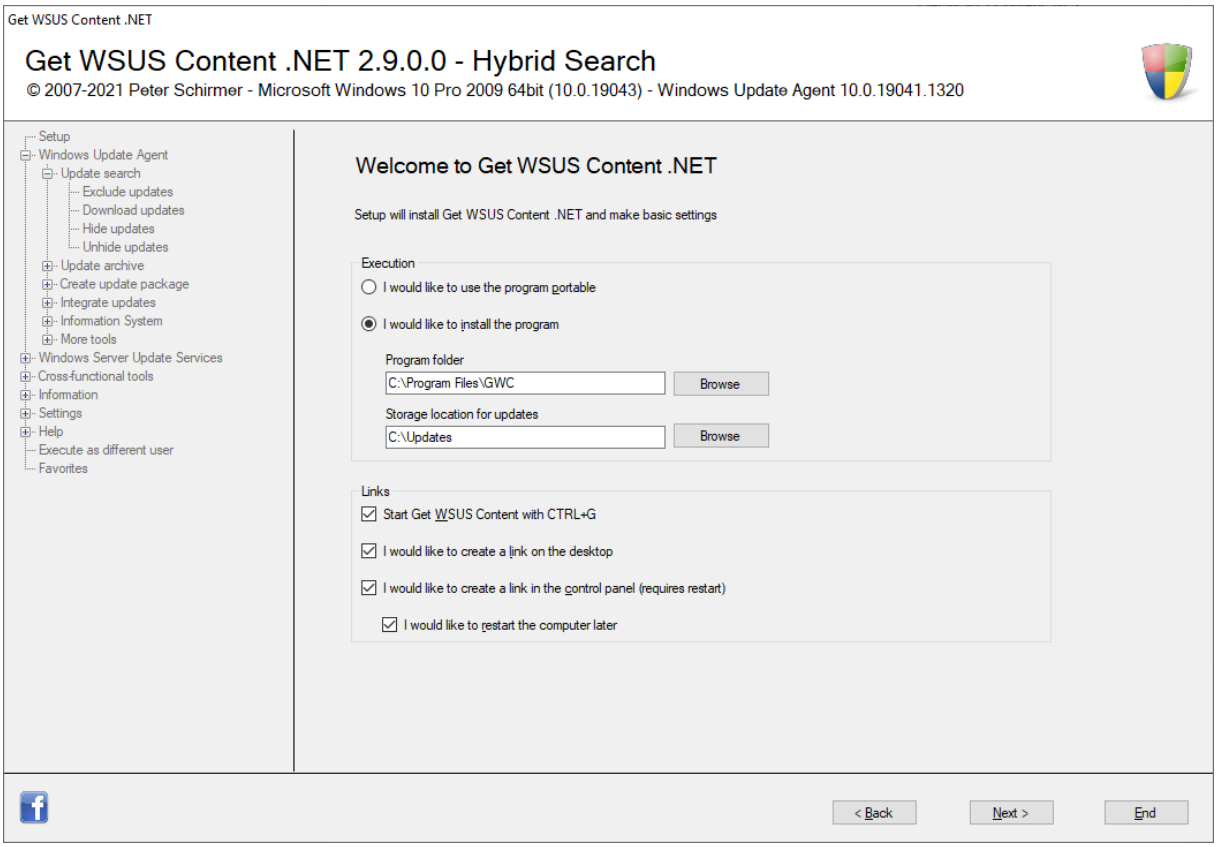
2. Installation

2.1 New installation: Portable or installation

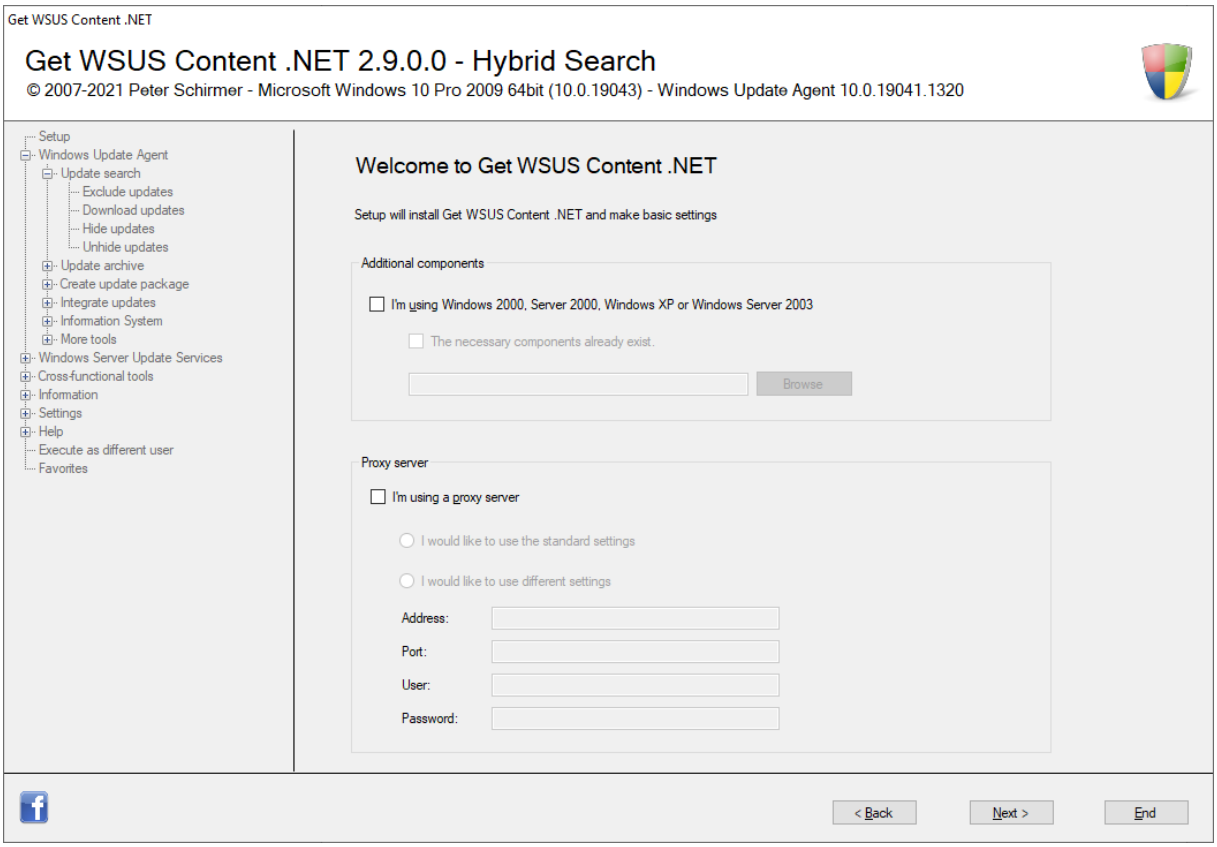
Call the file "Setup.exe" to start the new setup.



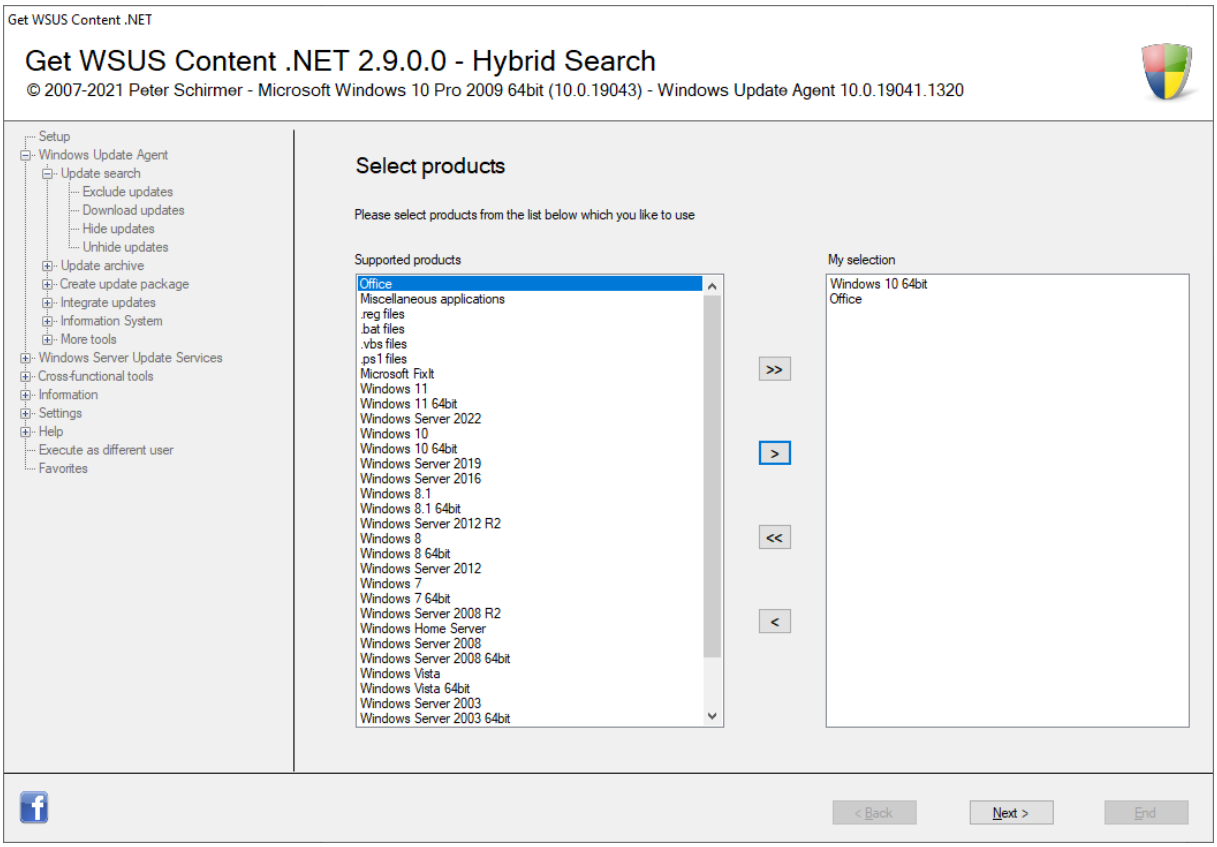
Welcome Screen - Step 1 of Setup



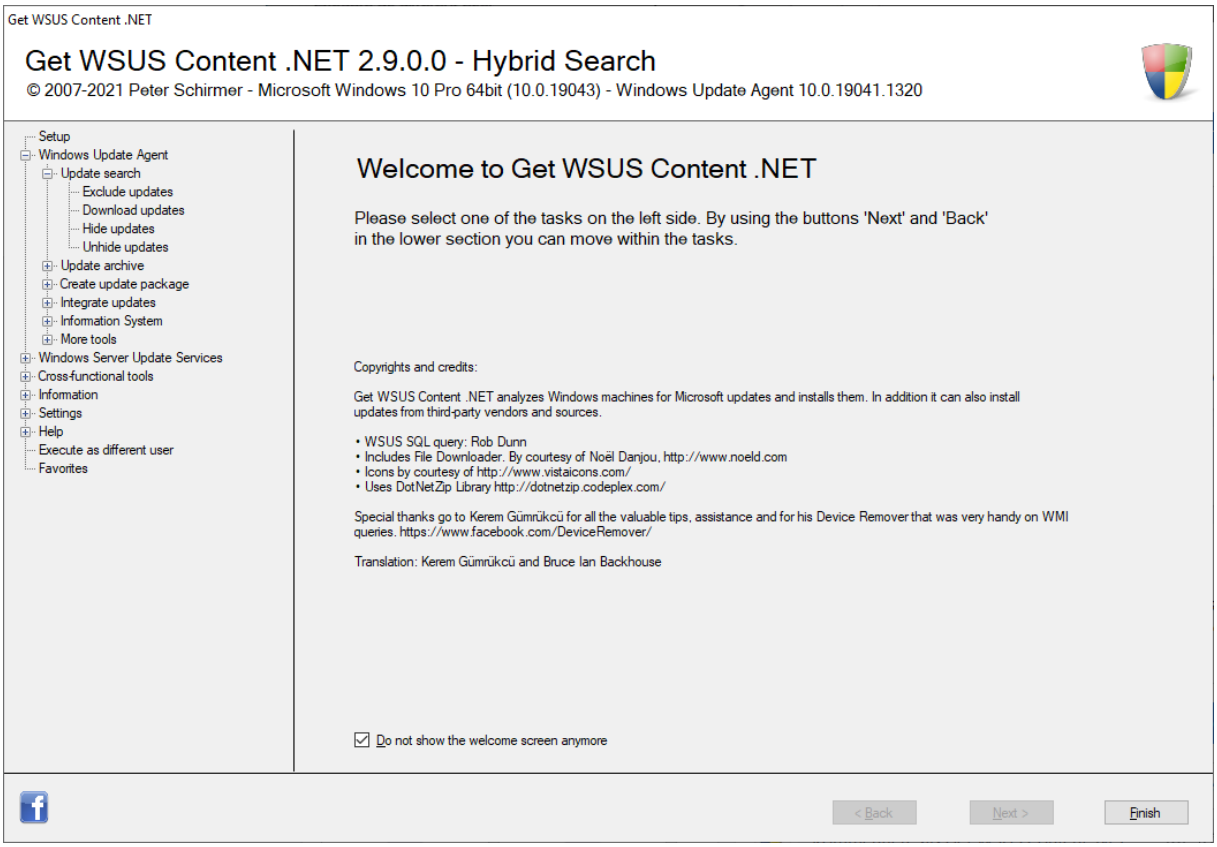
Welcome Screen - Step 2 of Setup



Welcome Screen - Step 3 of Setup



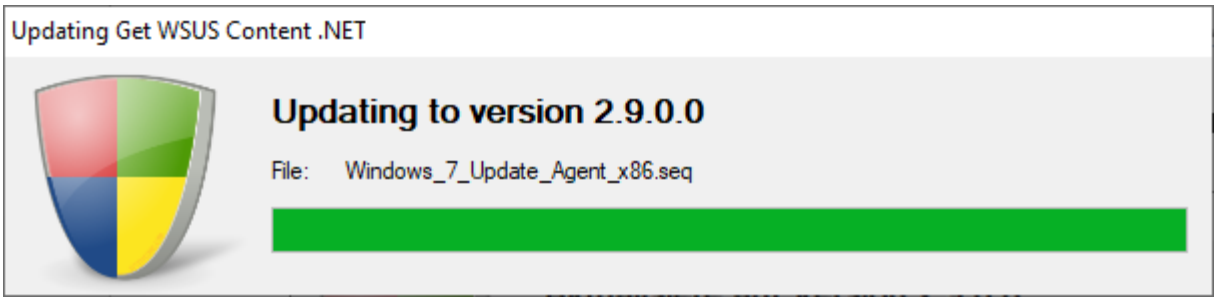
Welcome Screen - Step 3 of Setup



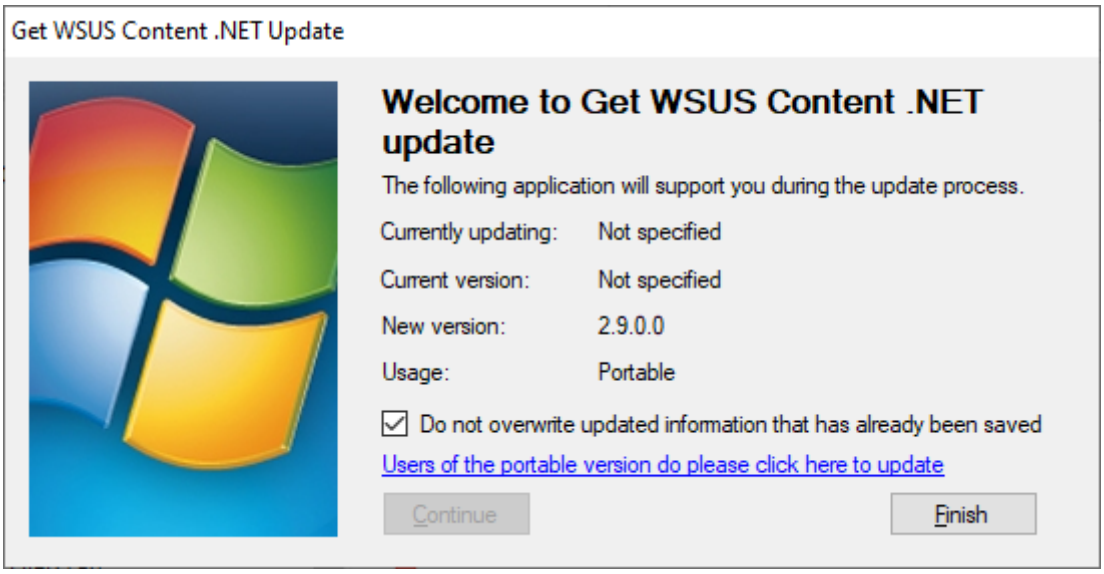
Get WSUS Content .NET is ready for use

2.2 Update from a previous version

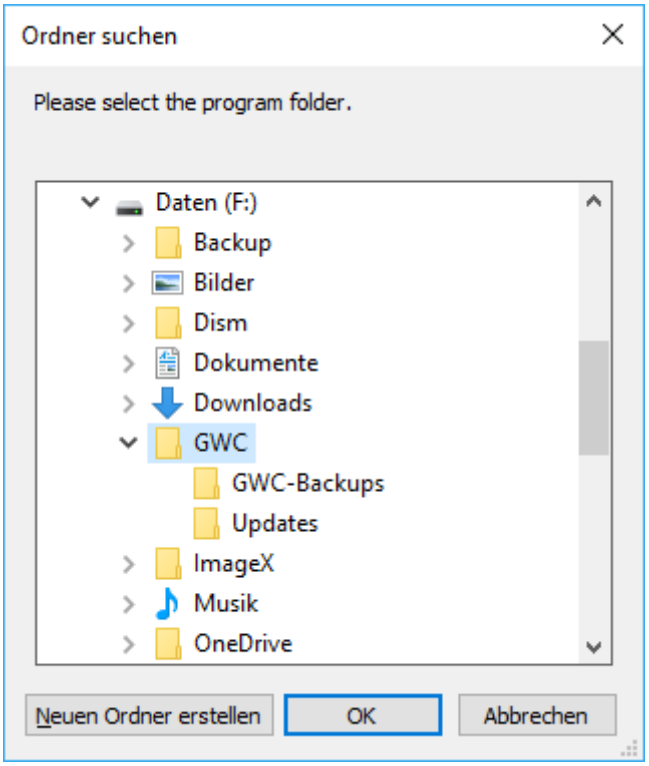
Welcome screen when updating a stationary installation



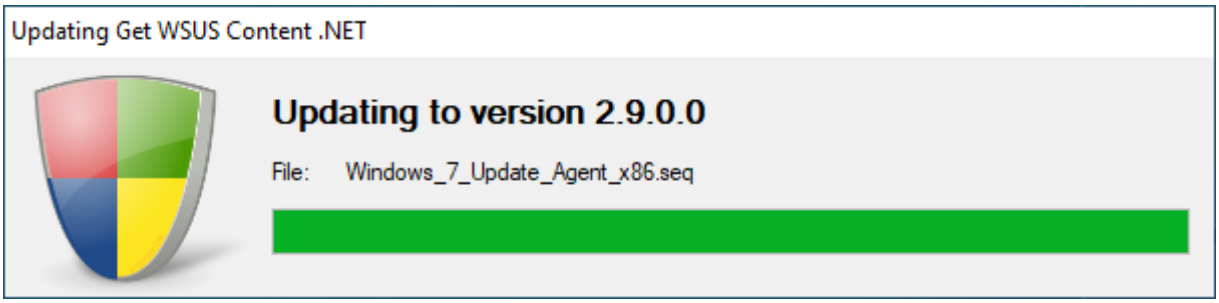
Updating a stationary installation



Welcome screen when updating a portable version

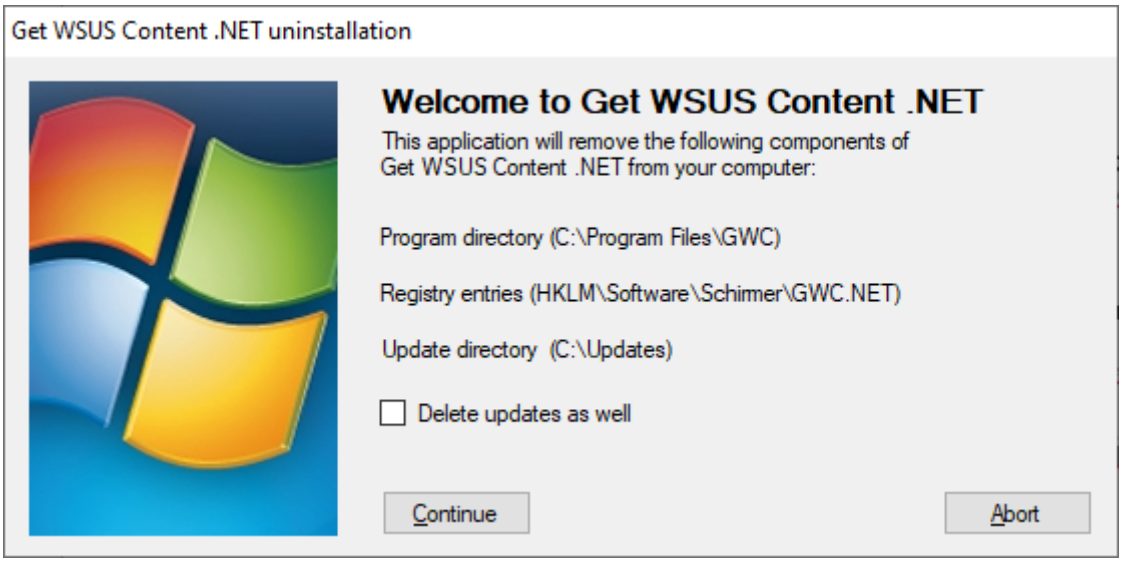


Path specification of the folder to be update

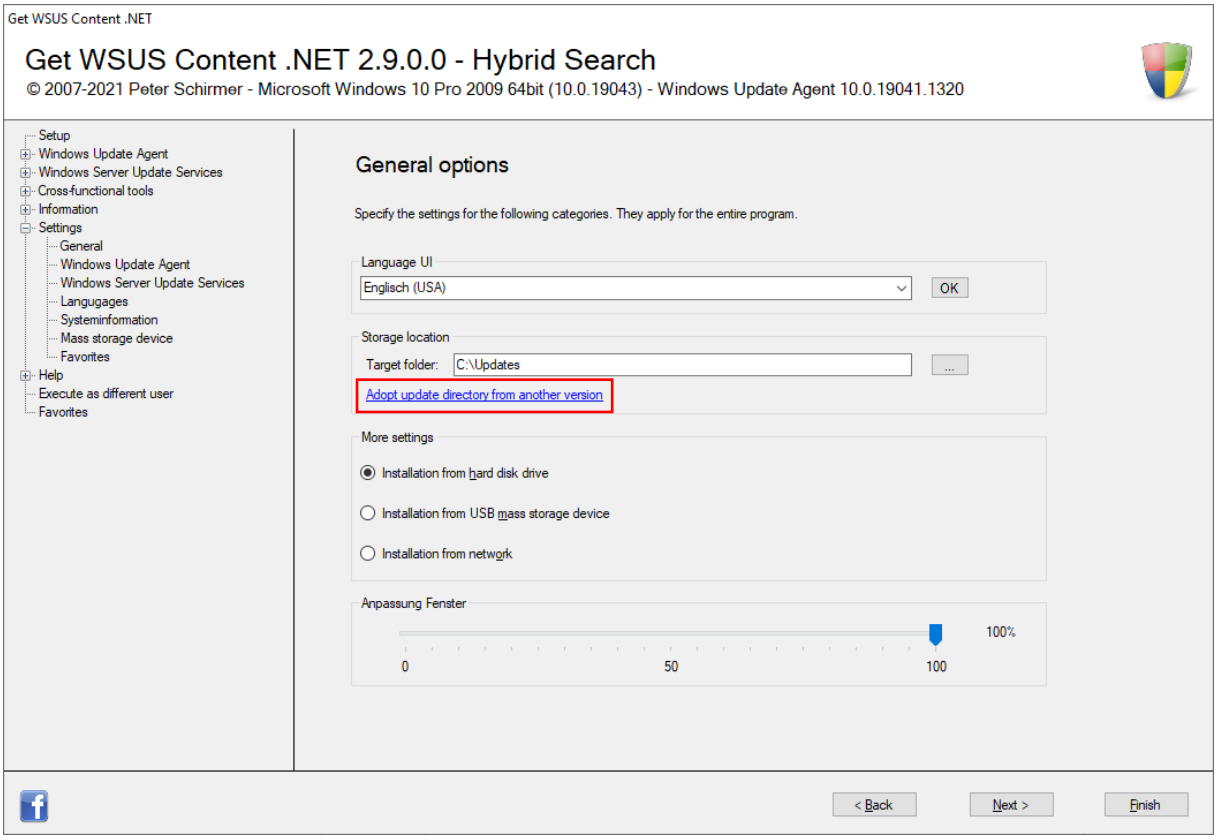


Updating a portable version

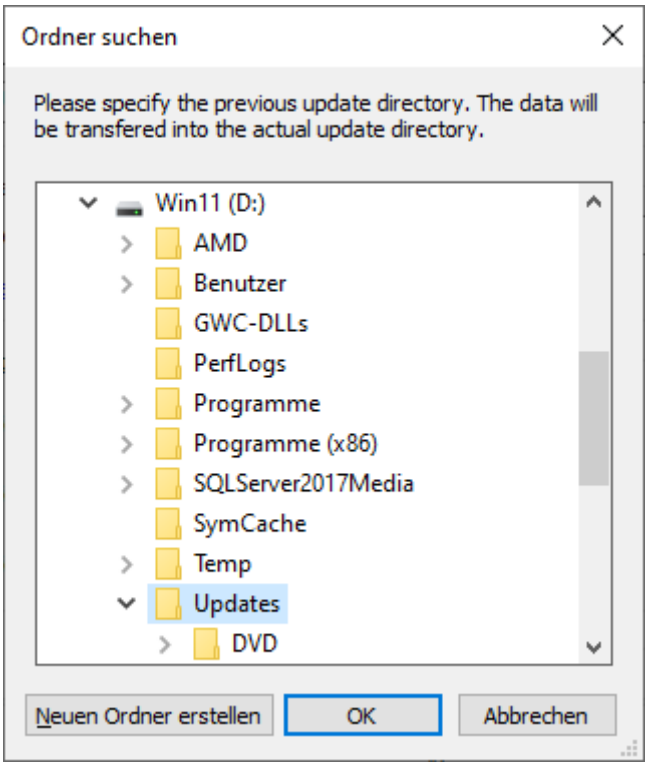
2.3 Uninstalling a previous version



Welcome screen during uninstallation



Take over data stock

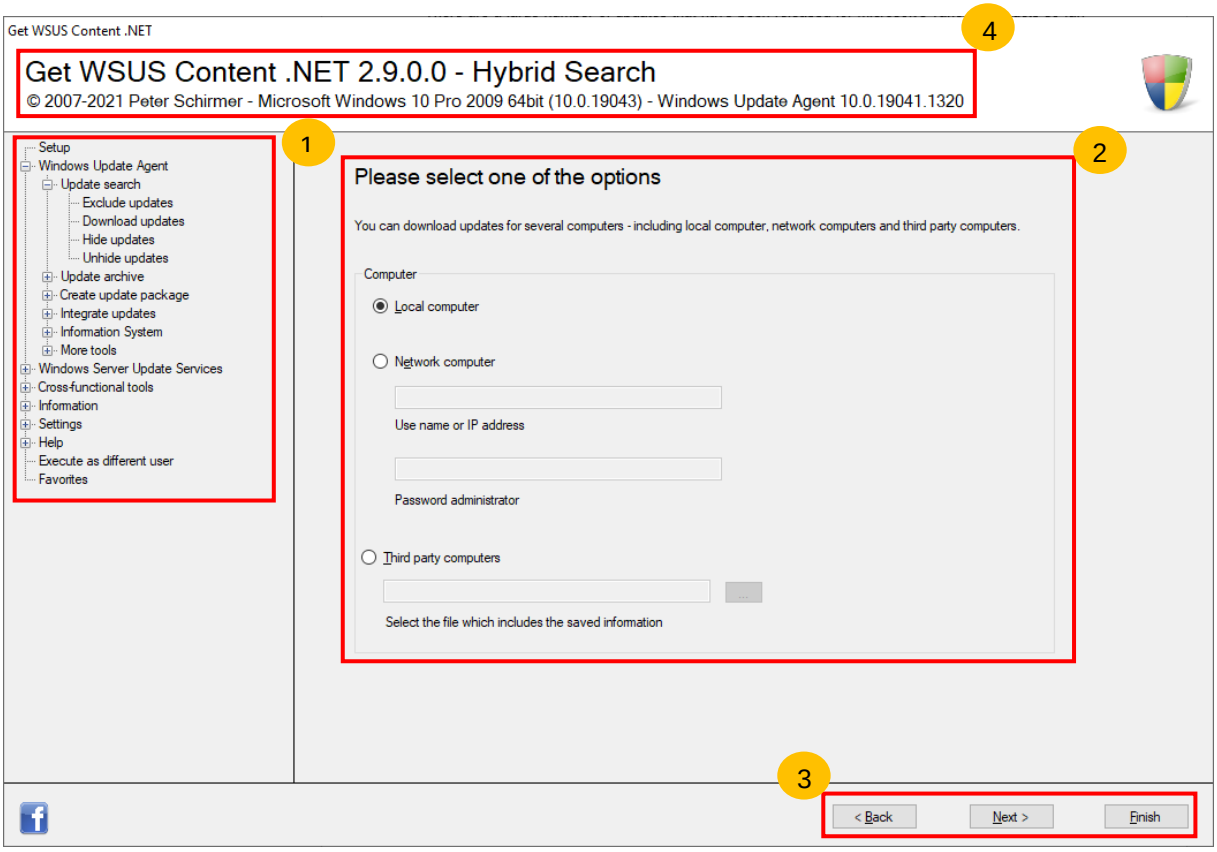


Select update directory

3. Using Get WSUS Content .NET

3.1 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.

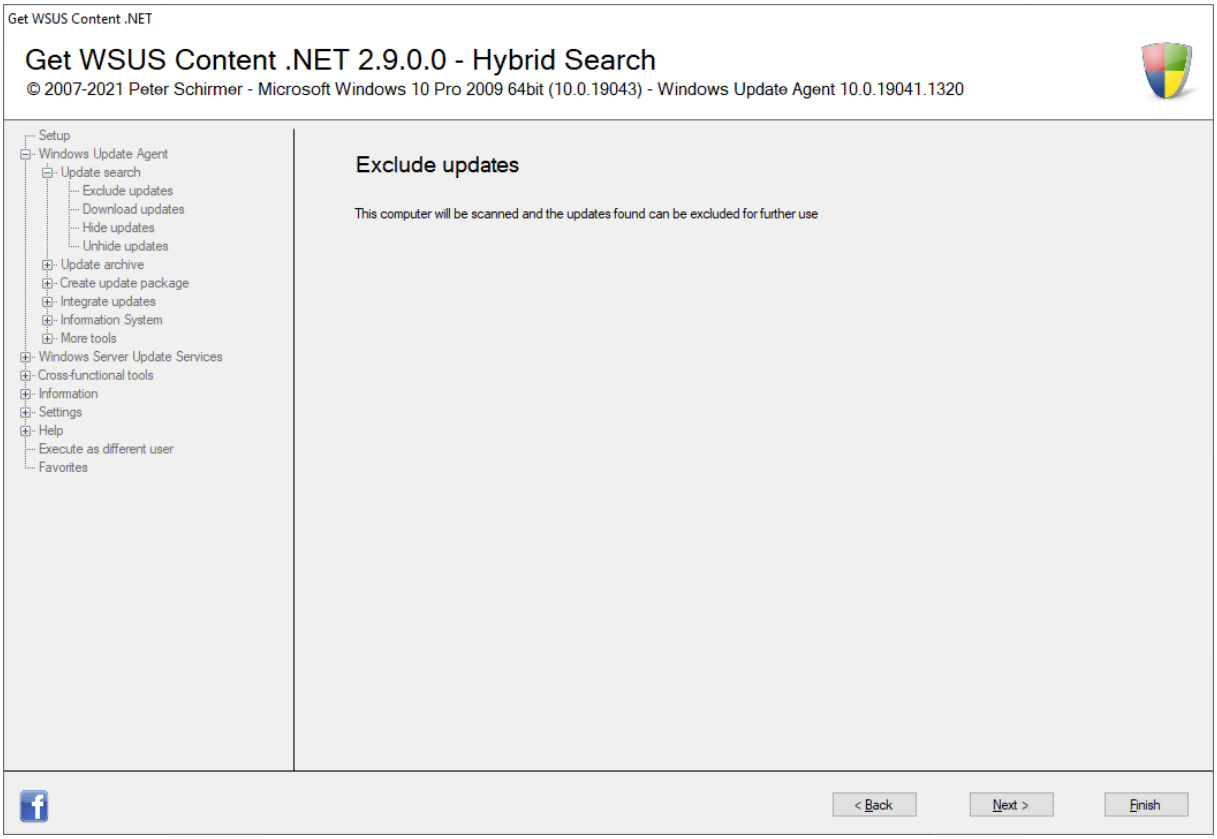
Unless the welcome screen is displayed, Get WSUS Content .NET starts by default with the task of downloading updates.

3.2 Tasks

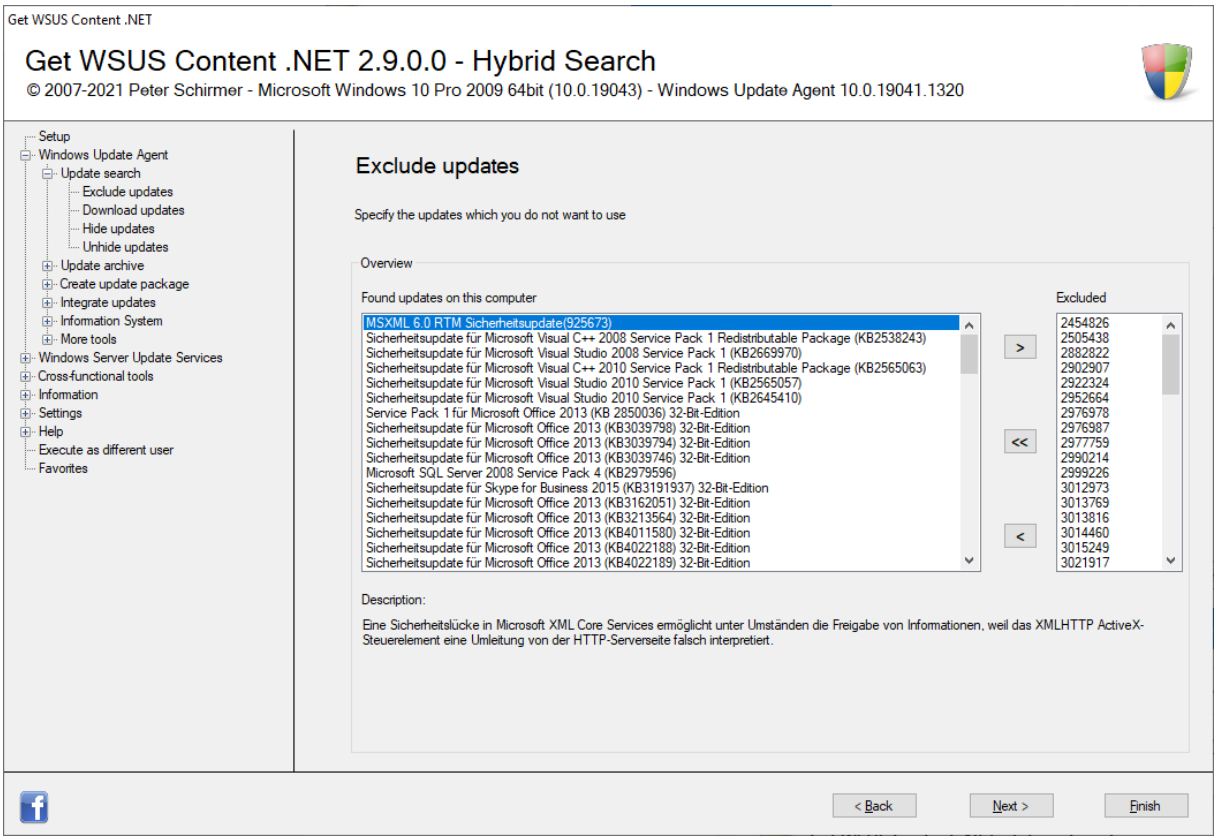
3.2.1 Windows Update Agent

3.2.1.1 Update search

3.2.1.1.1 Exclude updates

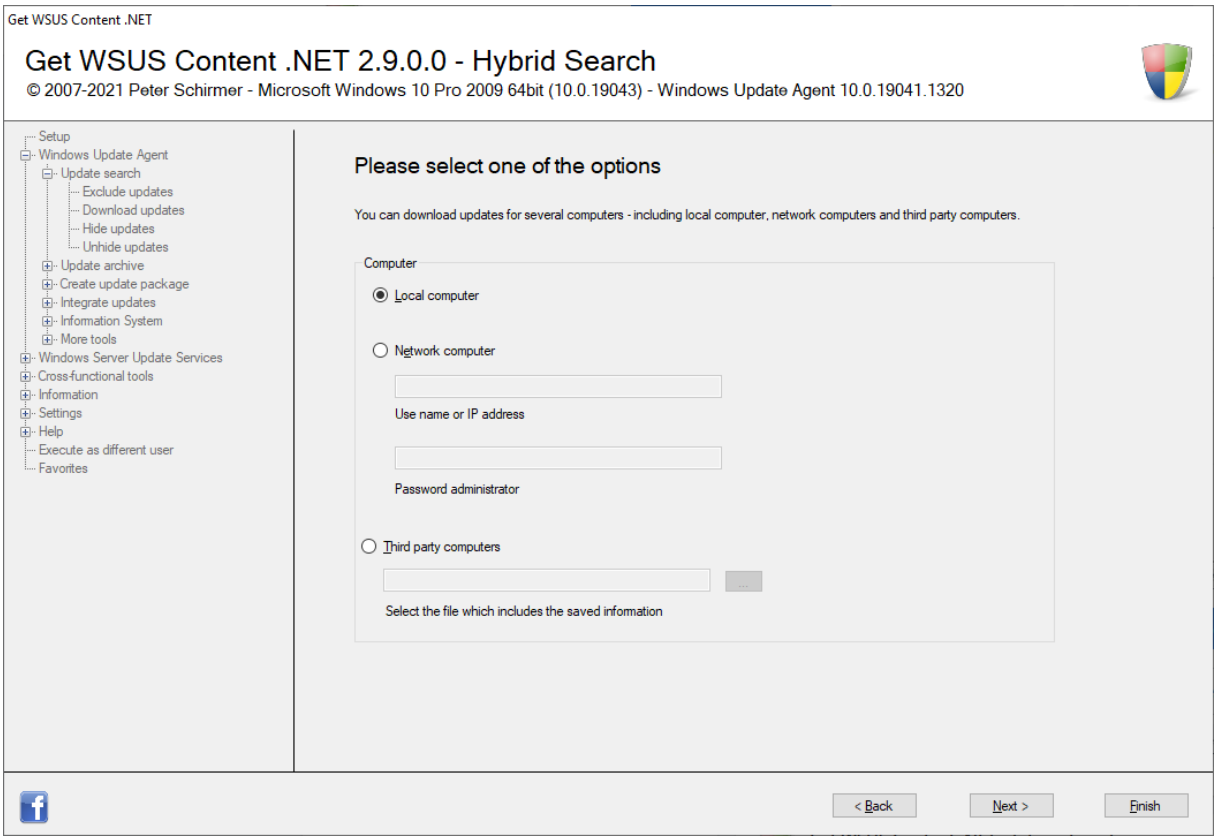


Initial screen

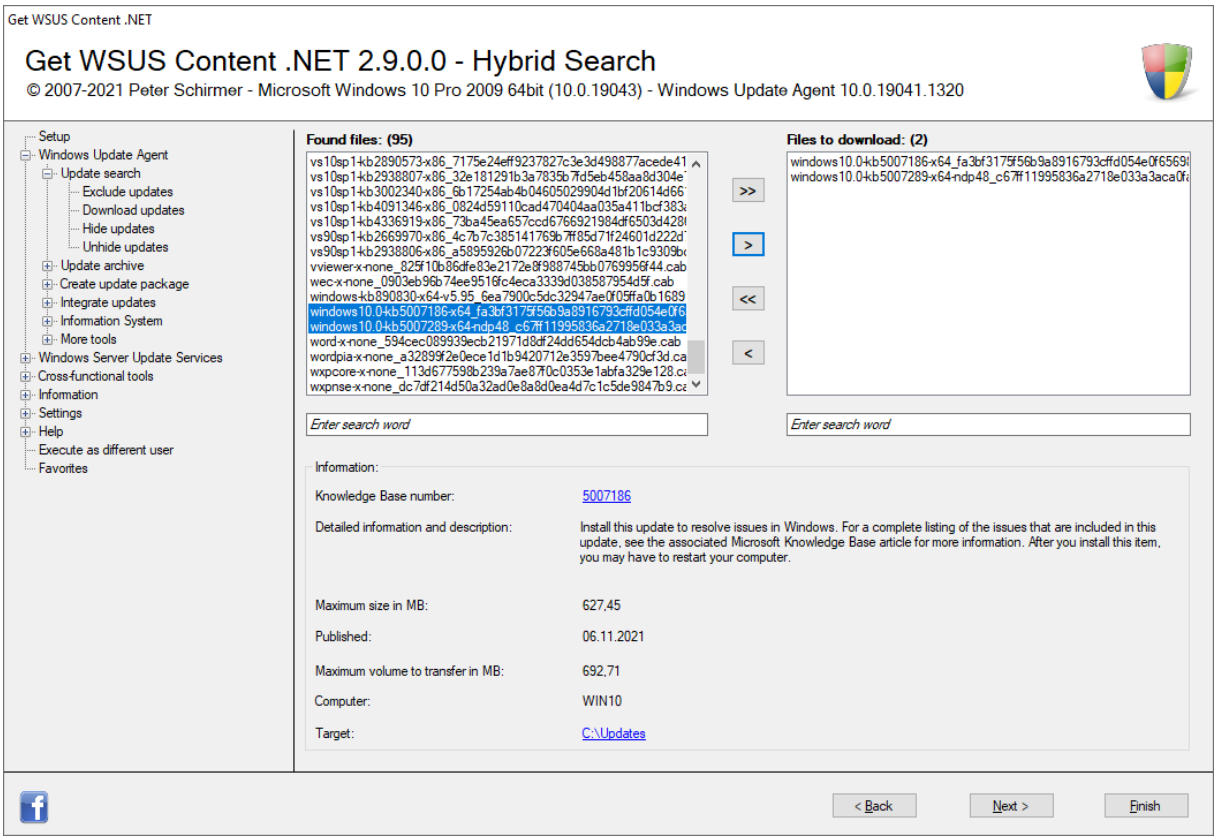


Results of the investigation

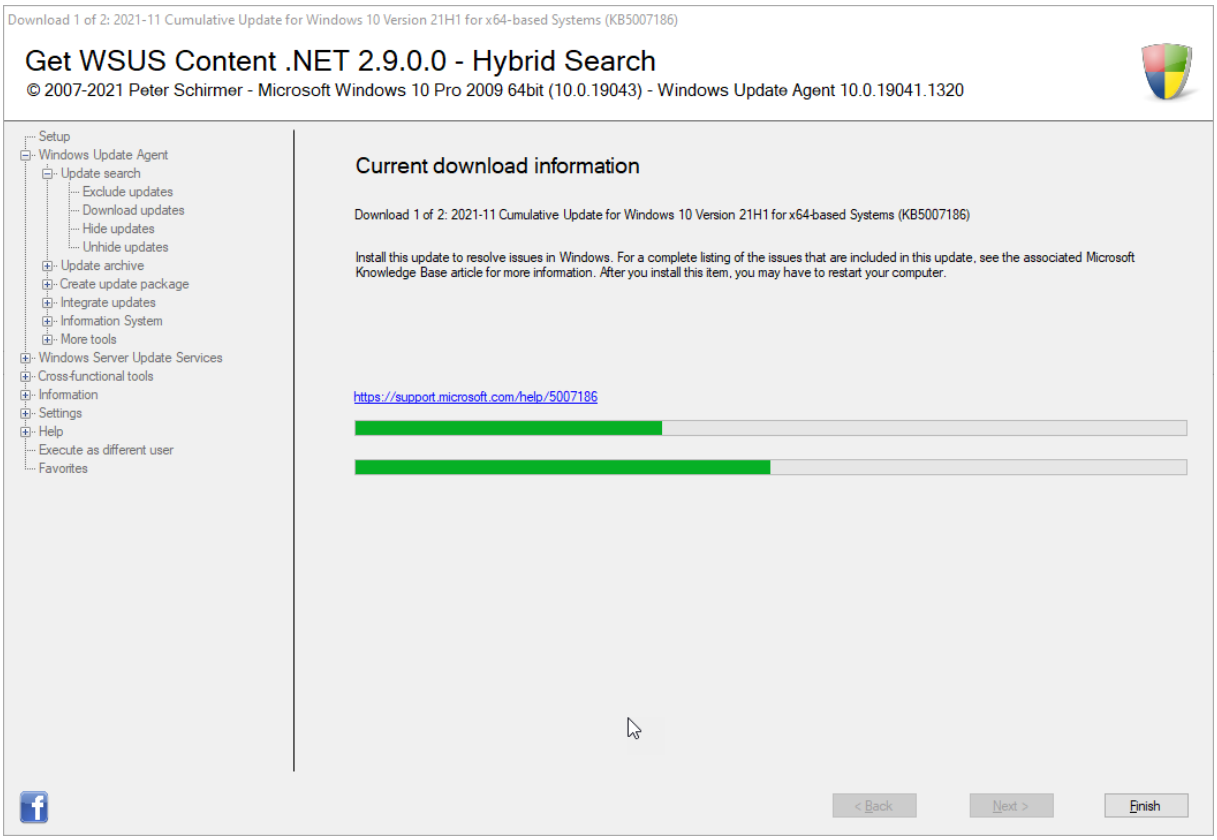
3.2.1.1.2 Download updates



Sources to download updates

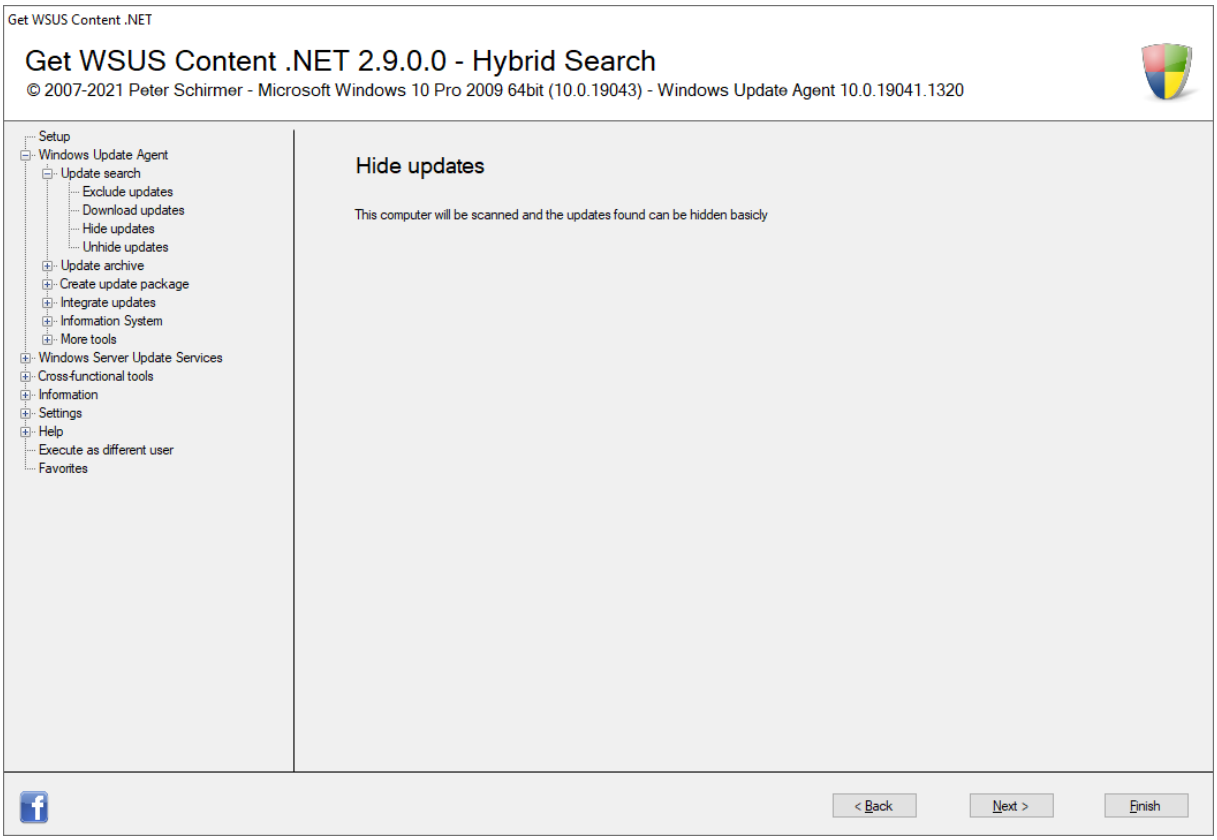


The result of the search (in the example the local computer)

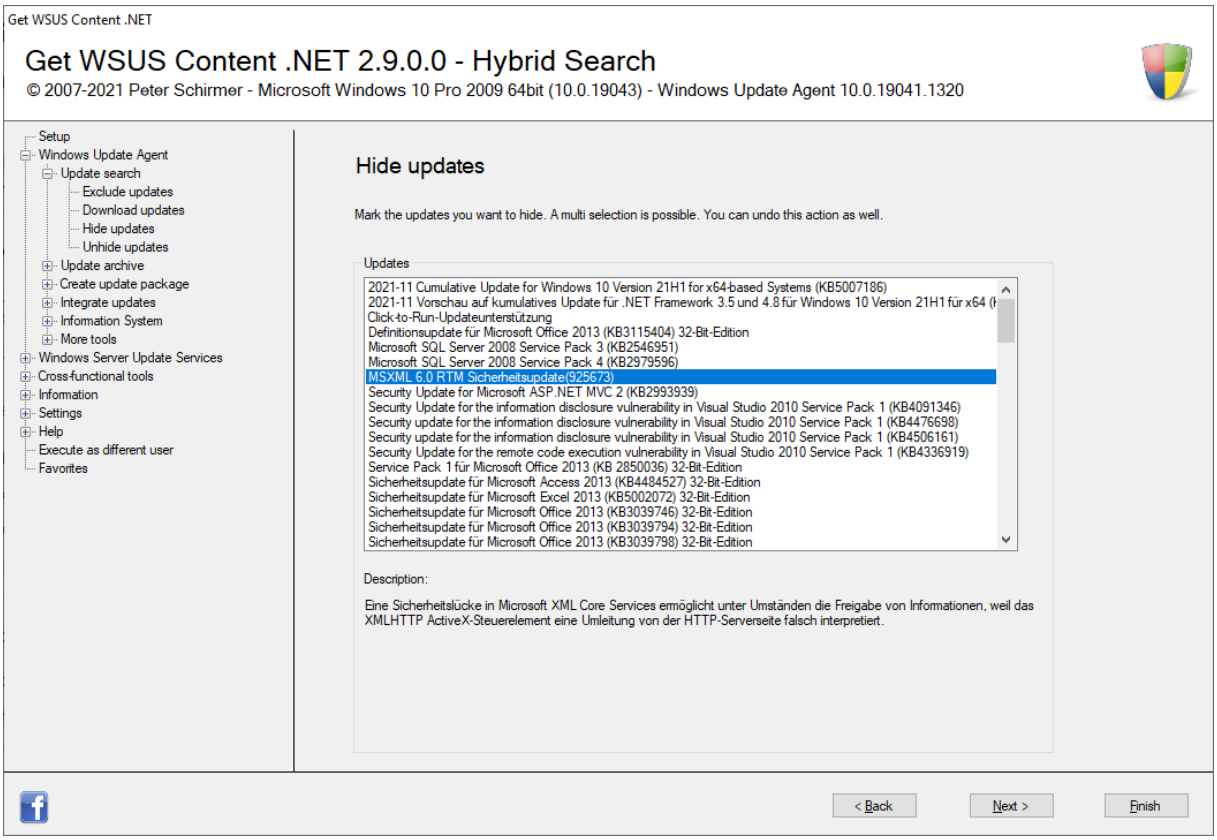


Ongoing download

3.2.1.1.3 Hide updates

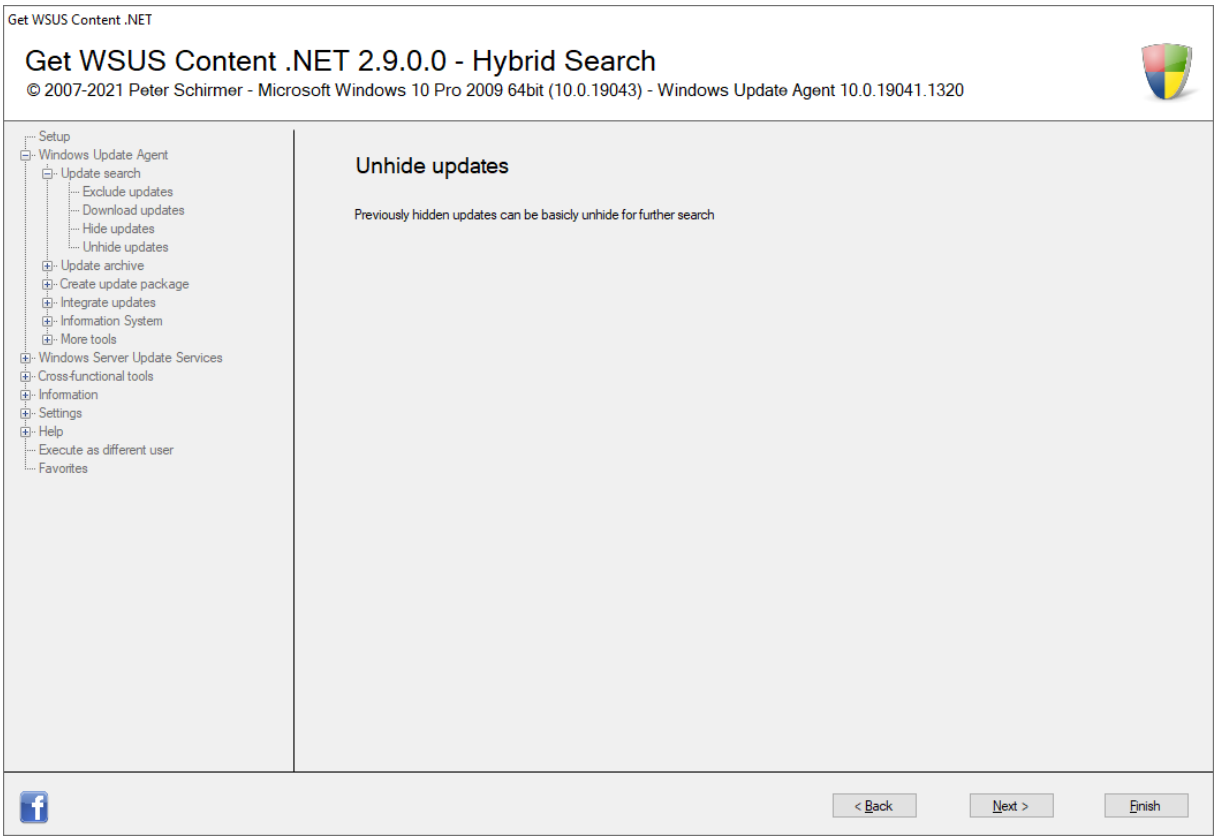


Initial screen

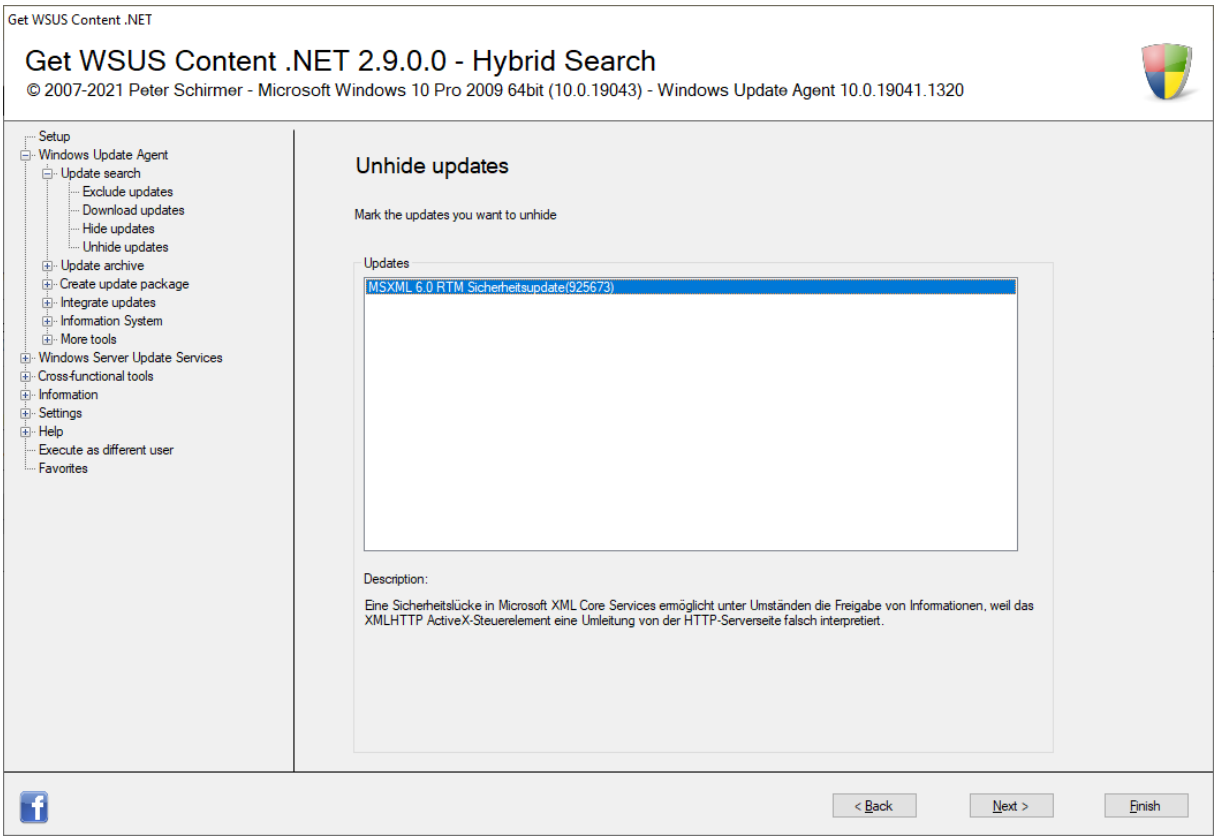


The selection dialogue

3.2.1.1.4 Unhide updates



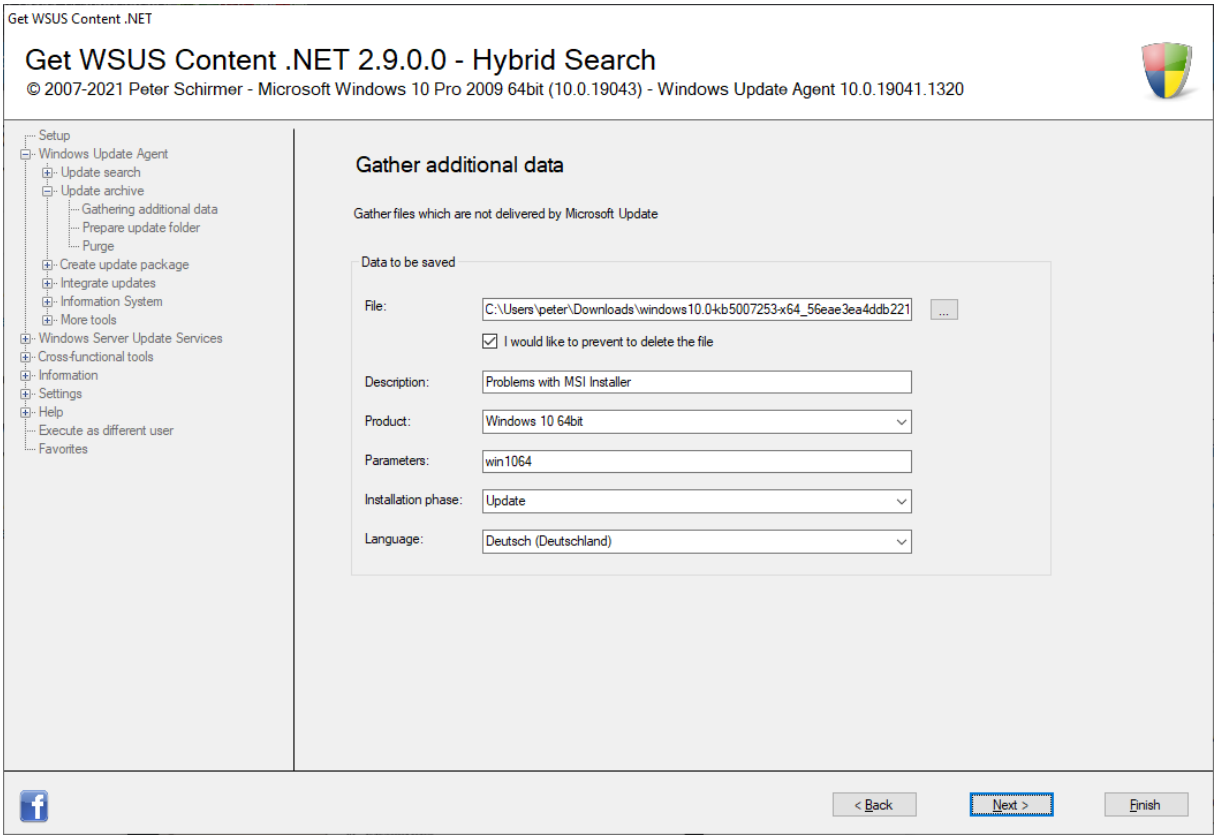
Initial screen



The selection dialogue

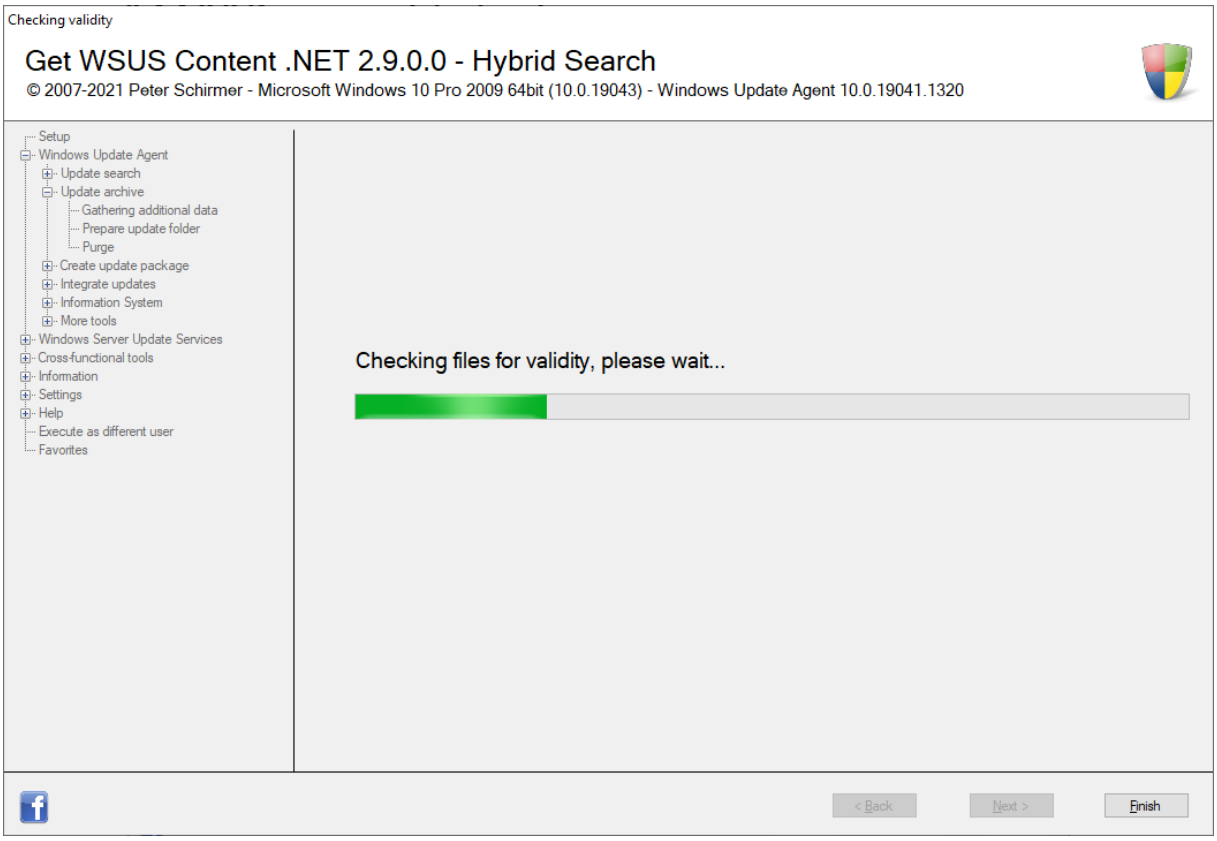
3.2.1.2 Update archive

3.2.1.2.1 Gathering additional files



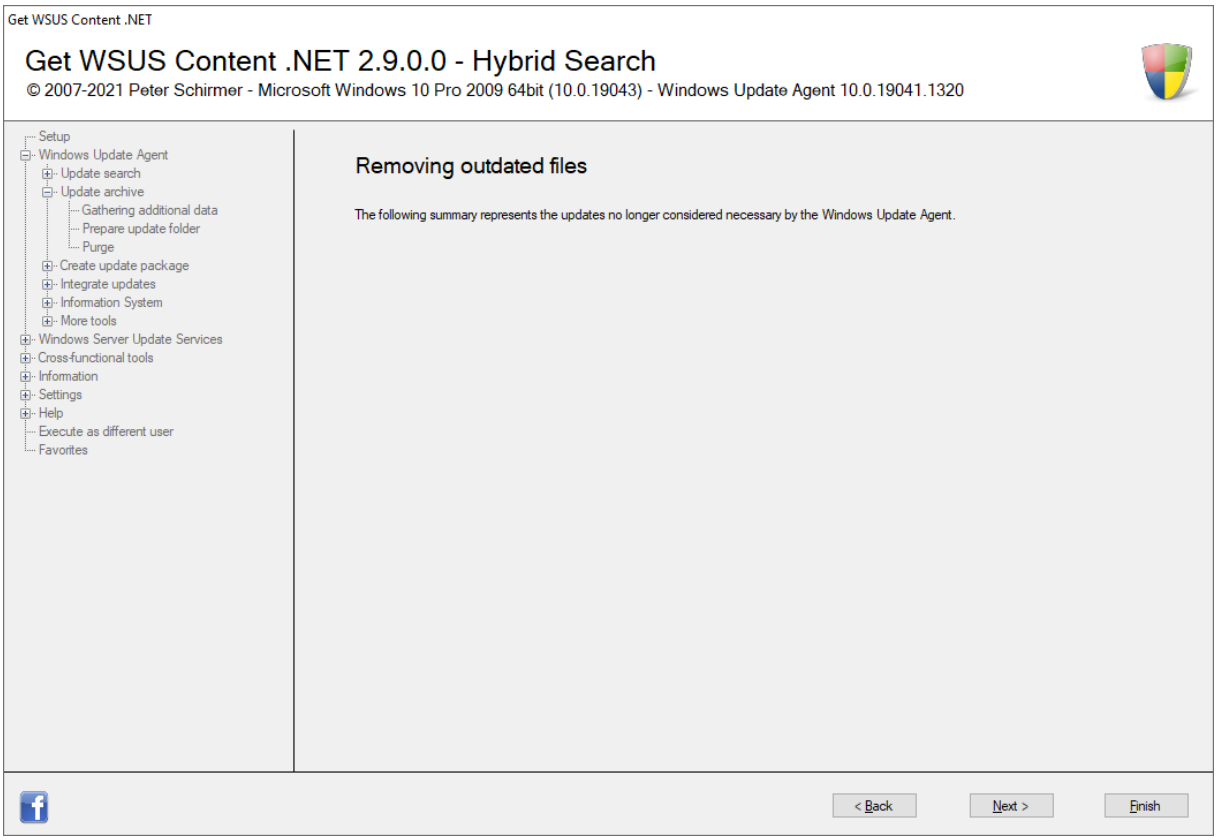
Capture

3.2.1.2.2 Prepare update directory

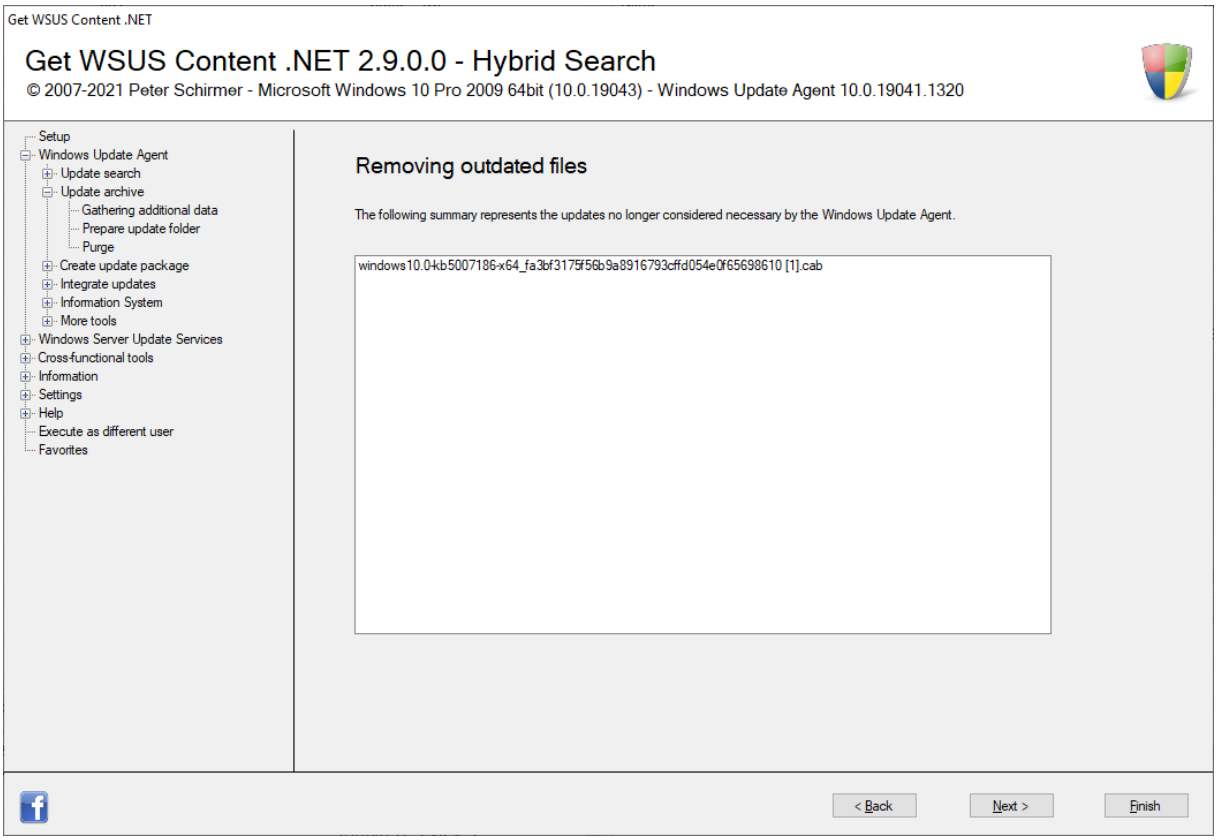


Preparation

3.2.1.2.3 Purge



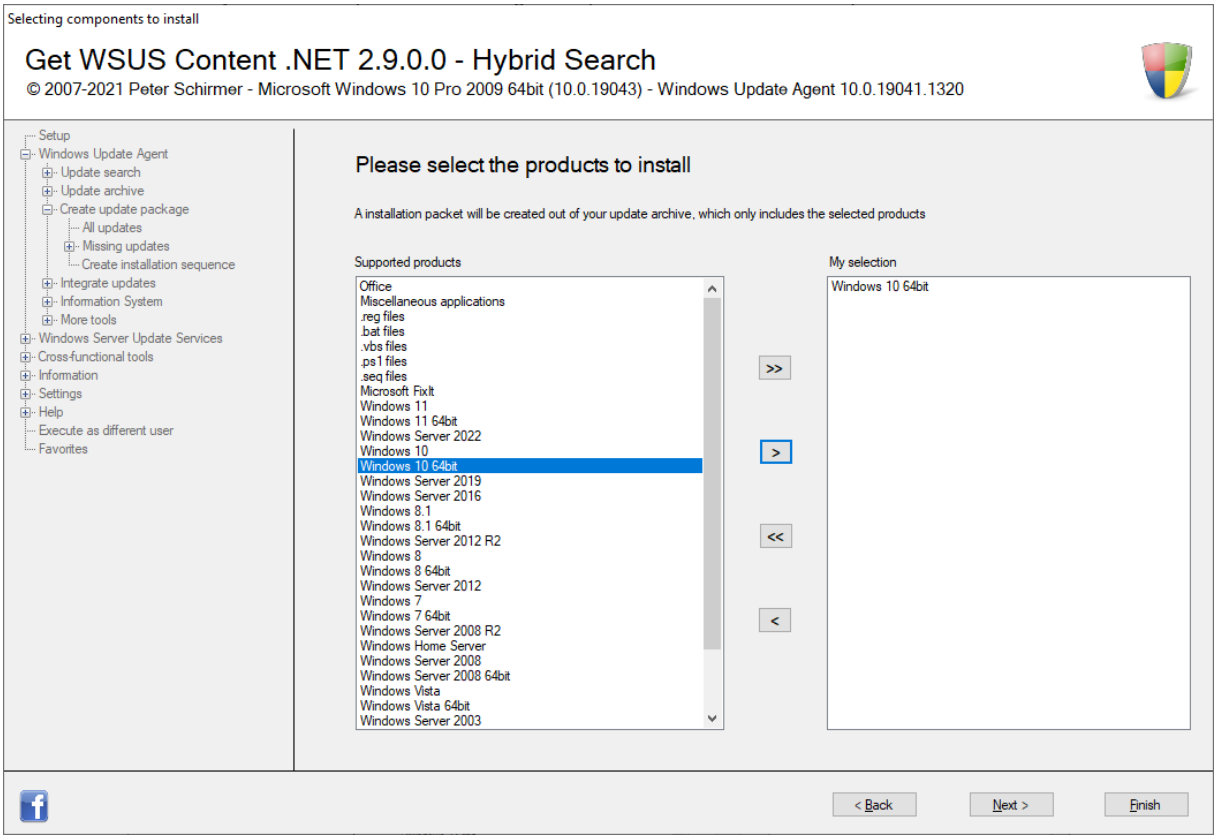
Initial screen



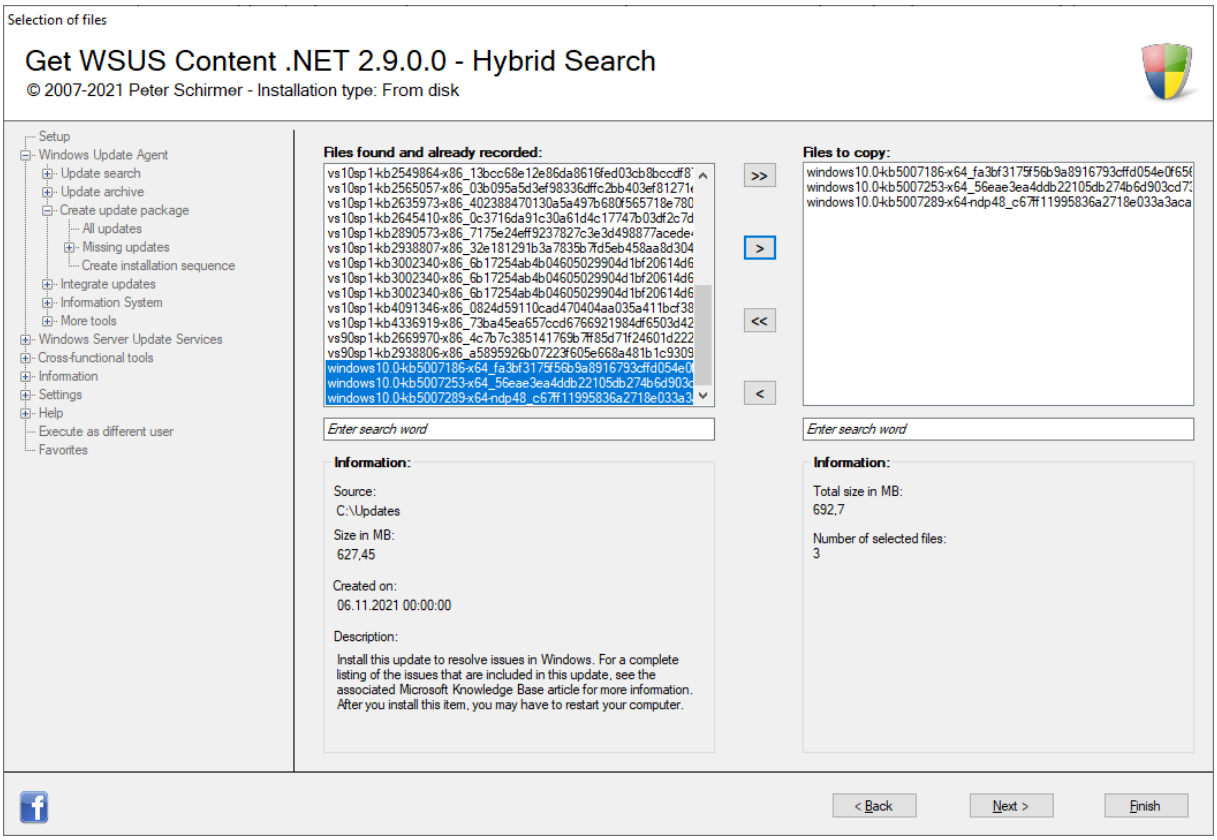
Listing of files that are no longer necessary

3.2.1.3 Create update package

3.2.1.3.1All updates



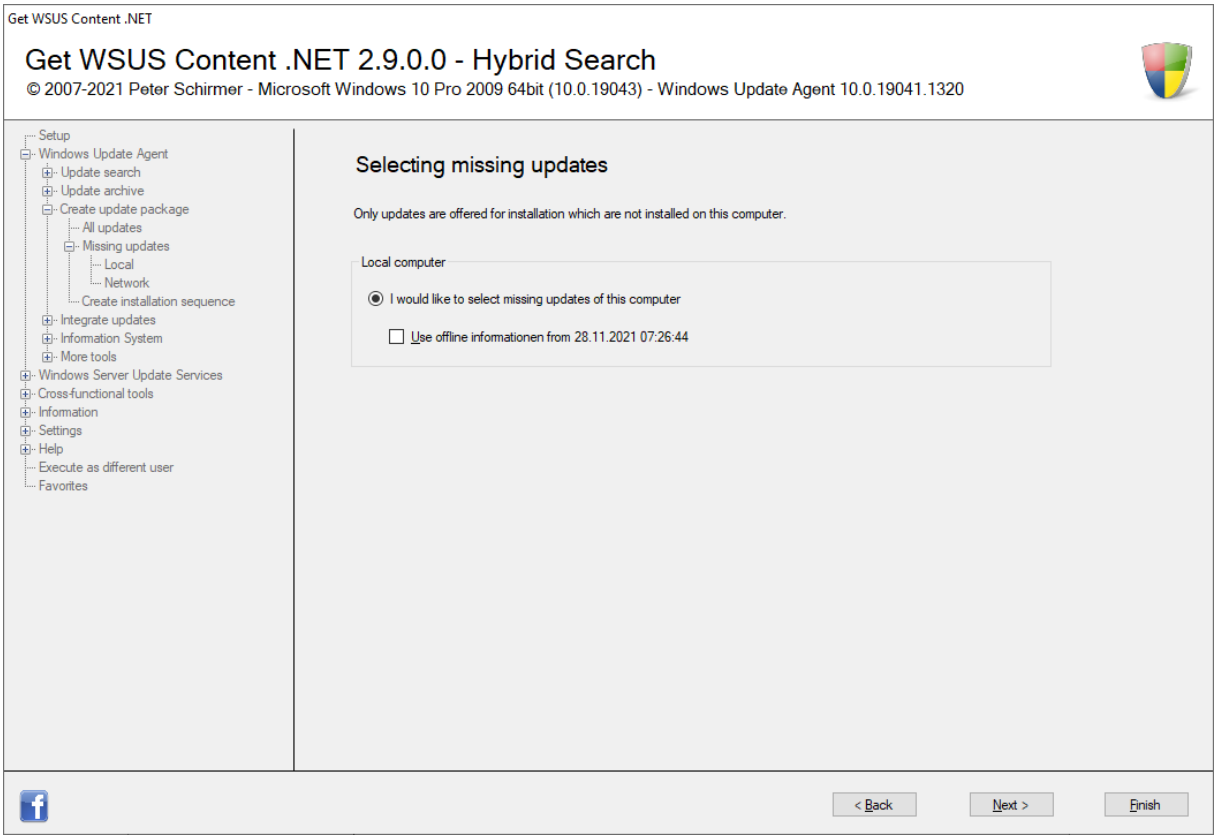
Product selection



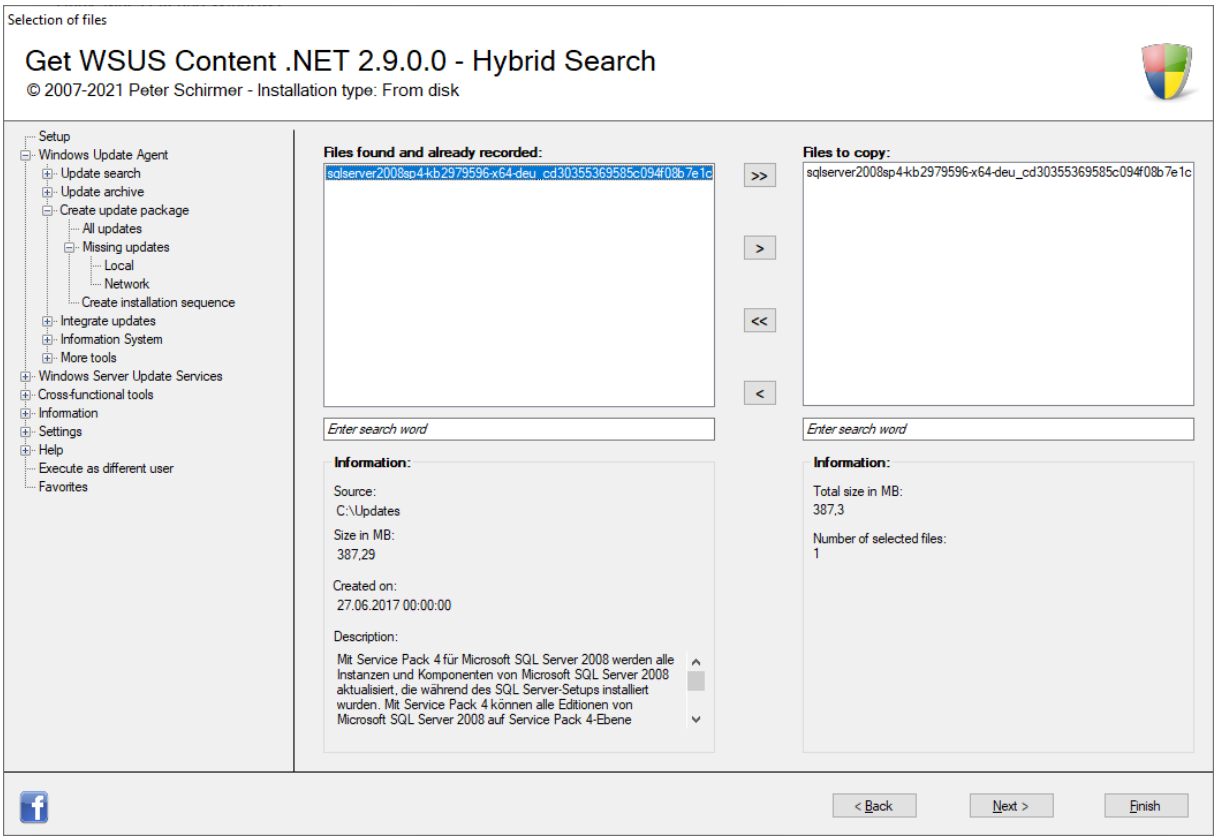
Updates detected

3.2.1.3.2 Missing updates

3.2.1.3.2.1 Local

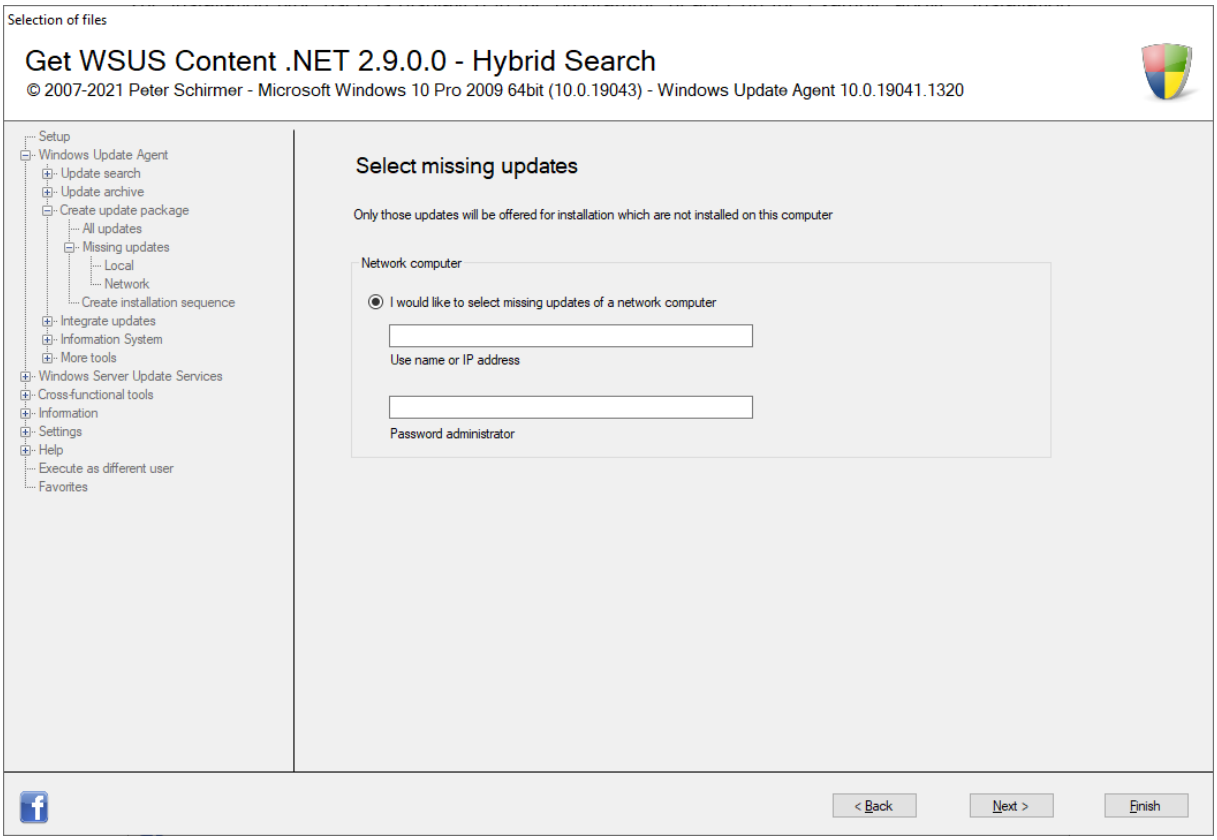


Select source for the determination



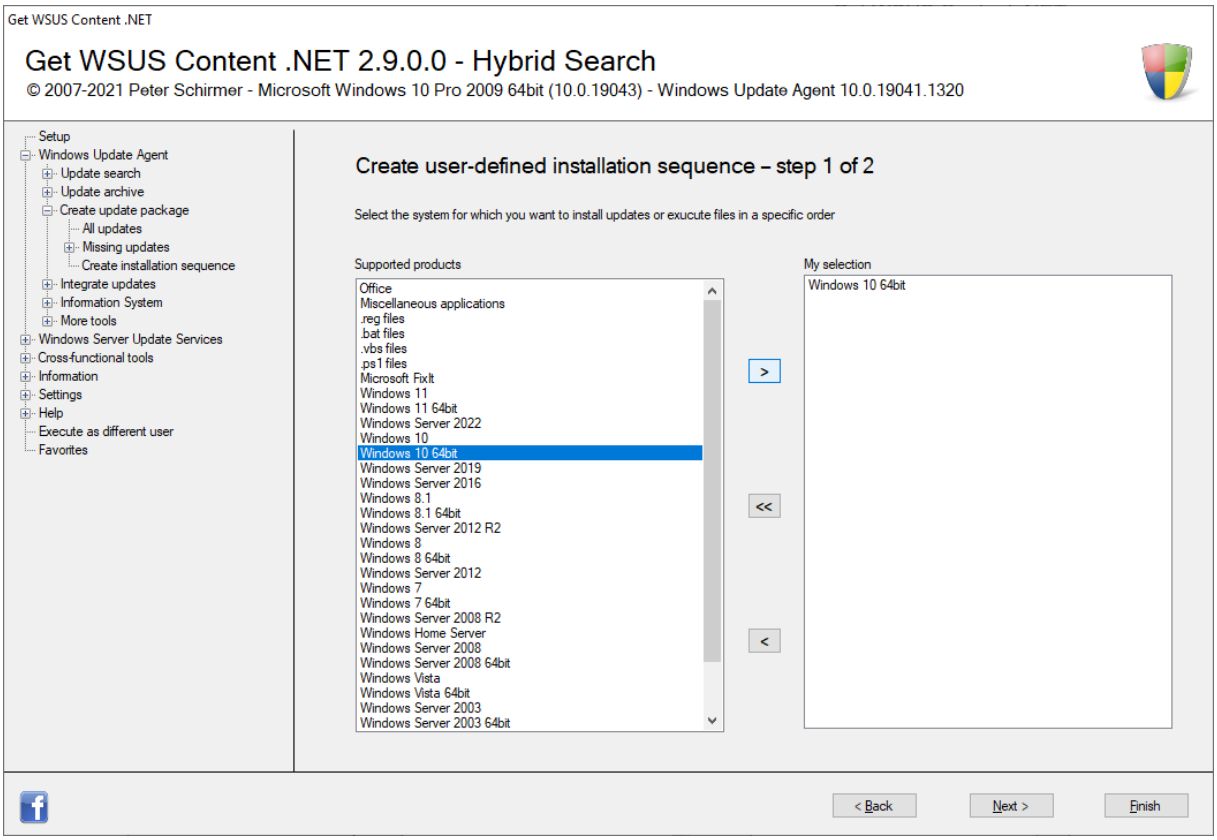
Updates detected

3.2.1.3.2.2 Network

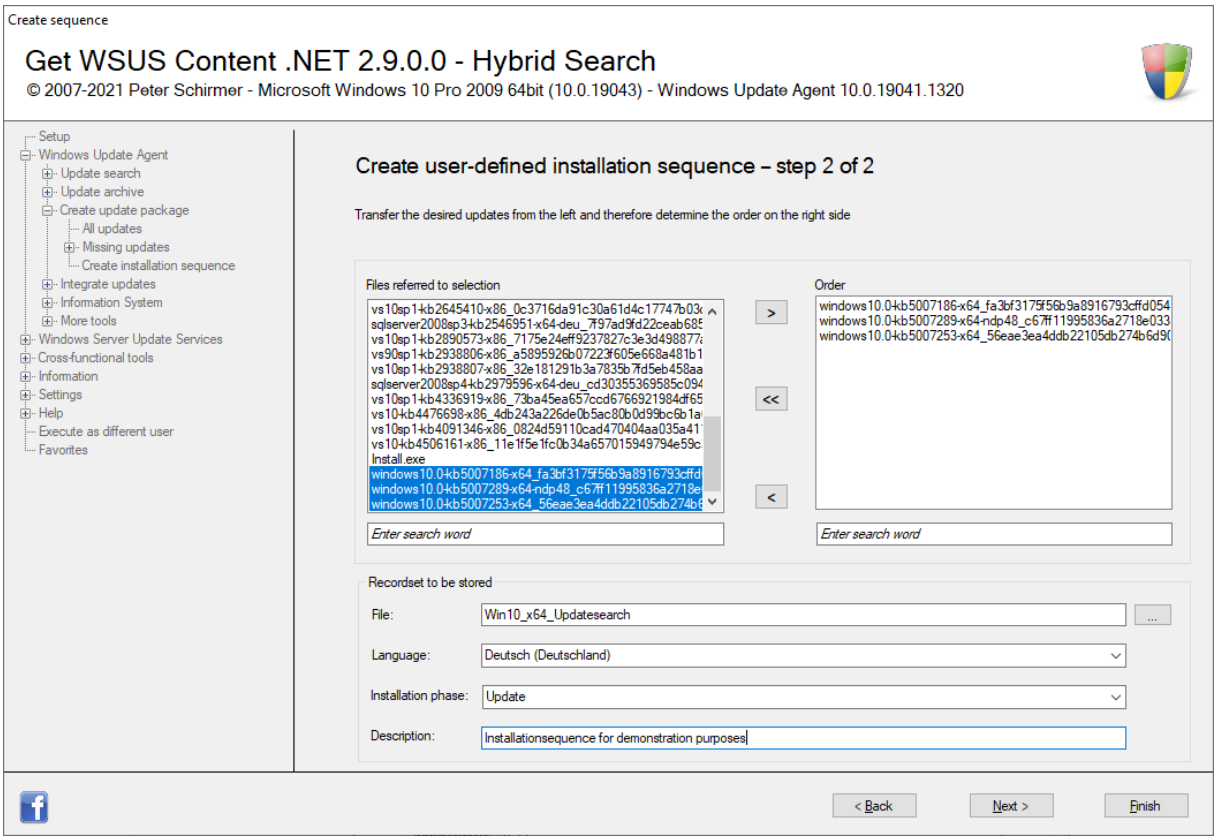


Specify source

3.2.1.3.3 Create installation sequence



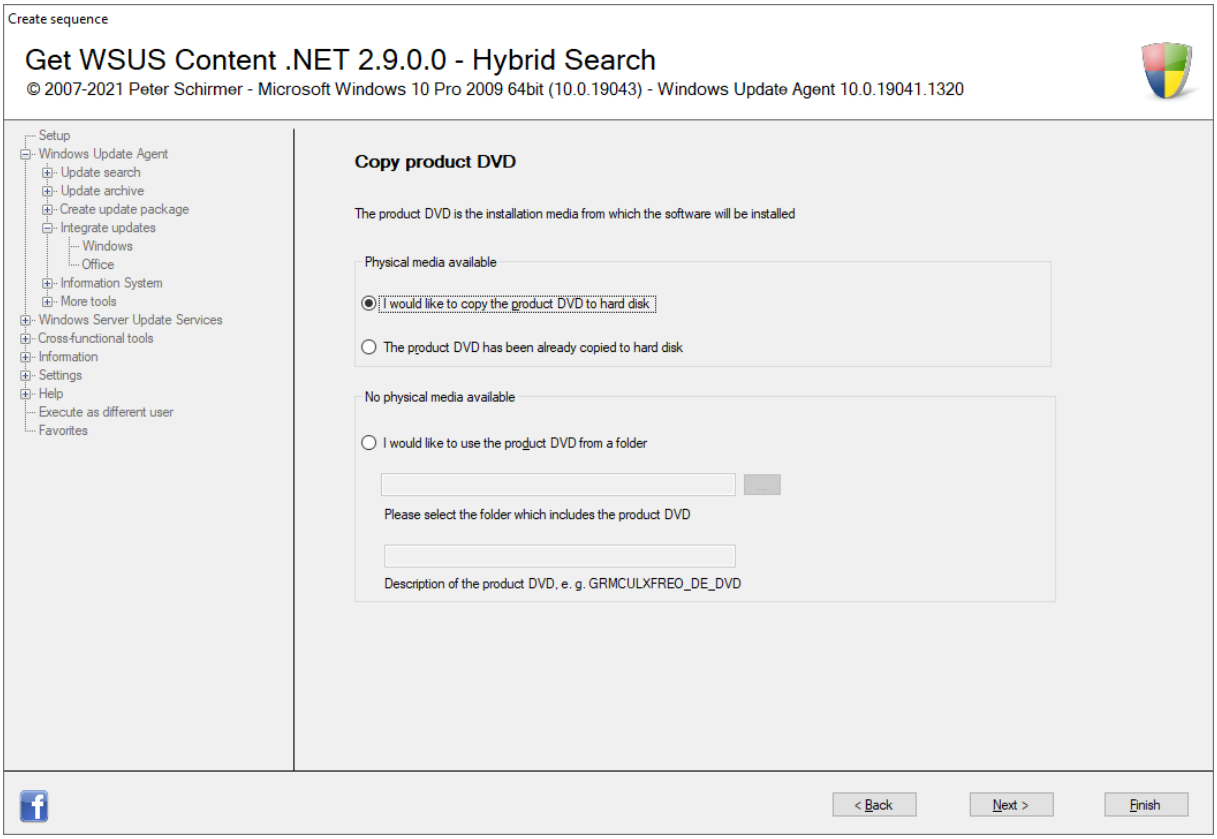
Selection of the products from which the sequence is to be created



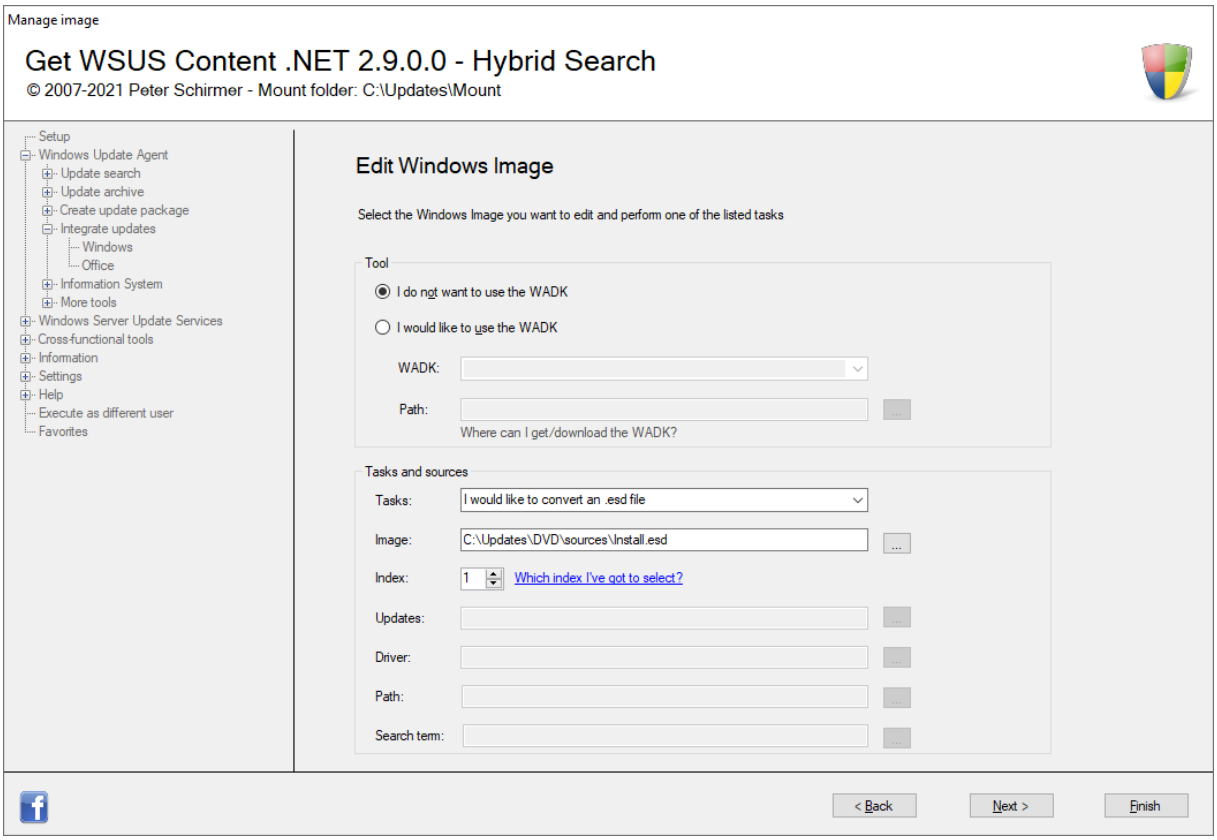
Creation of the sequence

3.2.1.4 Integrate updates

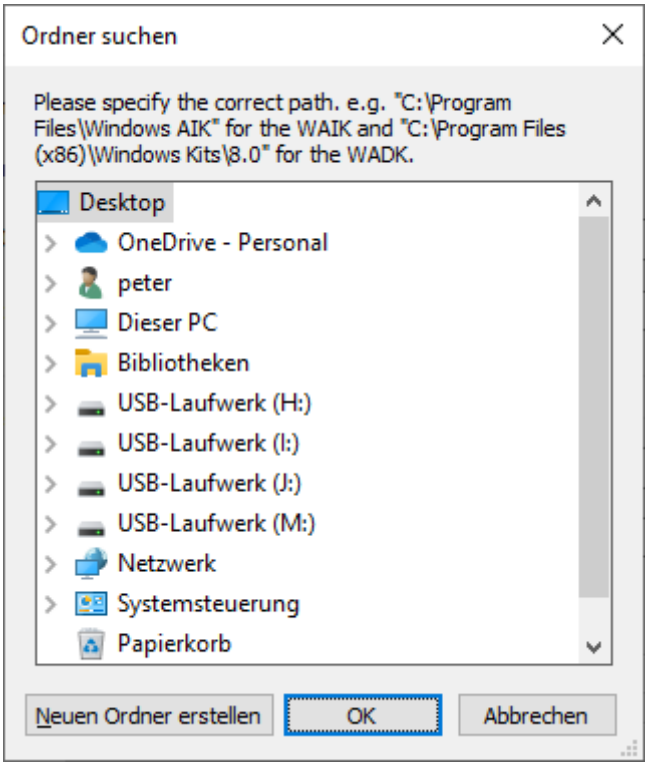
3.2.1.4.1 Windows



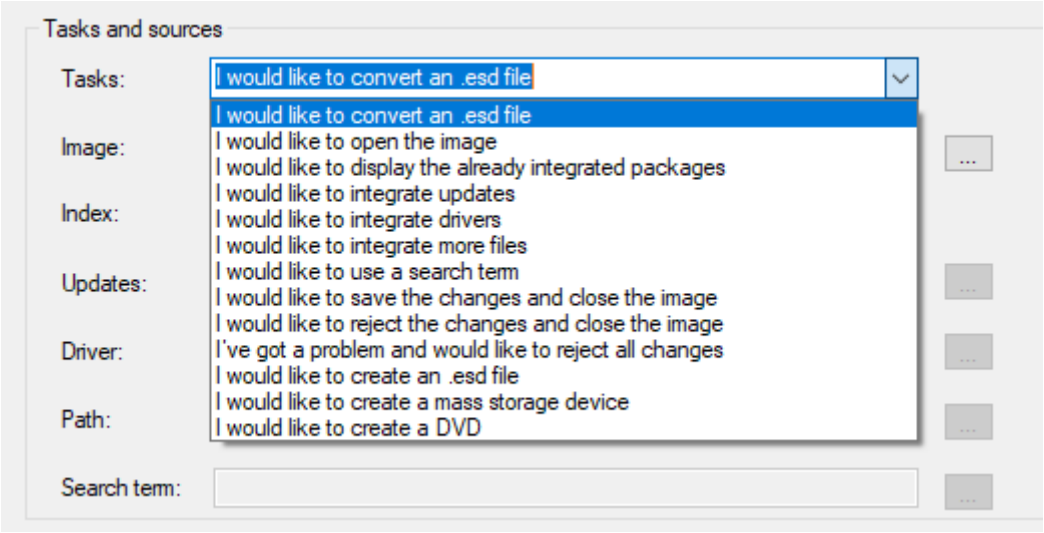
Source of the product DVD



Possibilities for editing the image

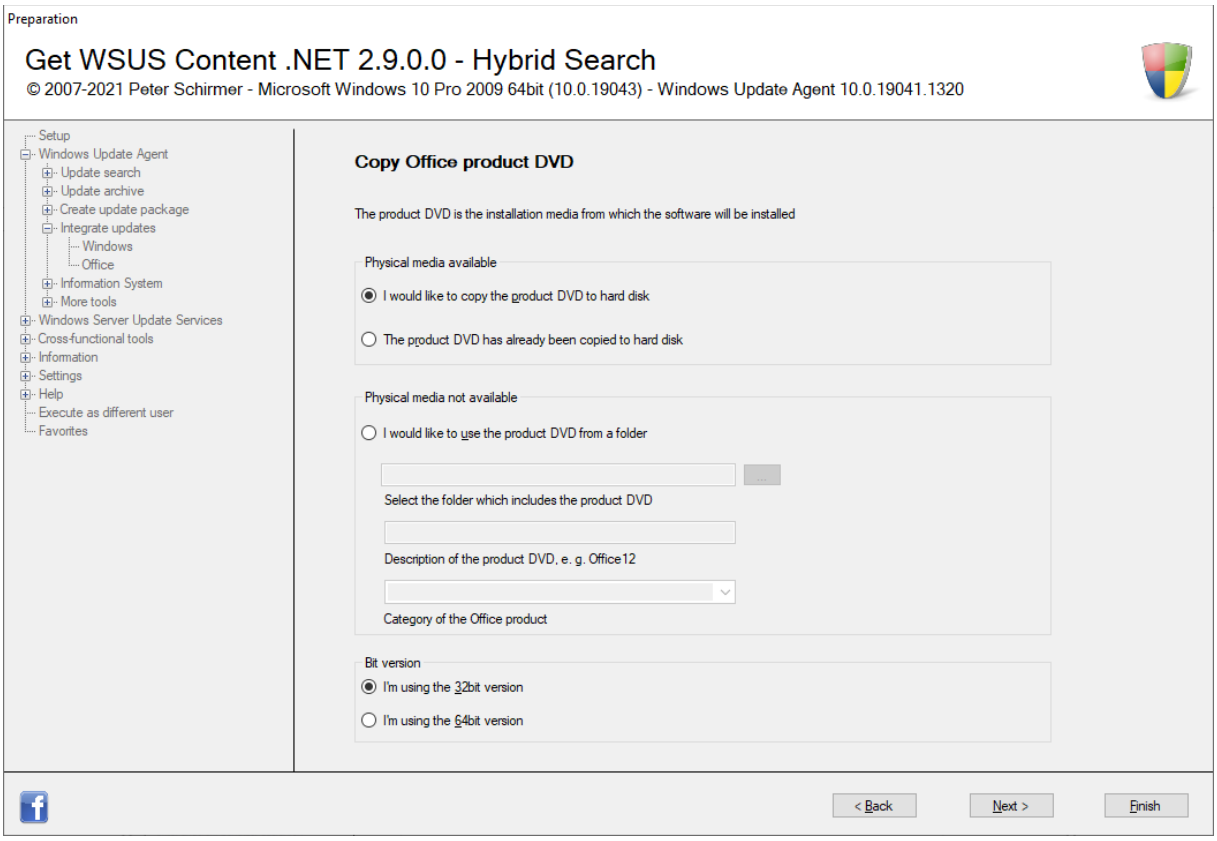


Path selection



Possibilities for editing the image

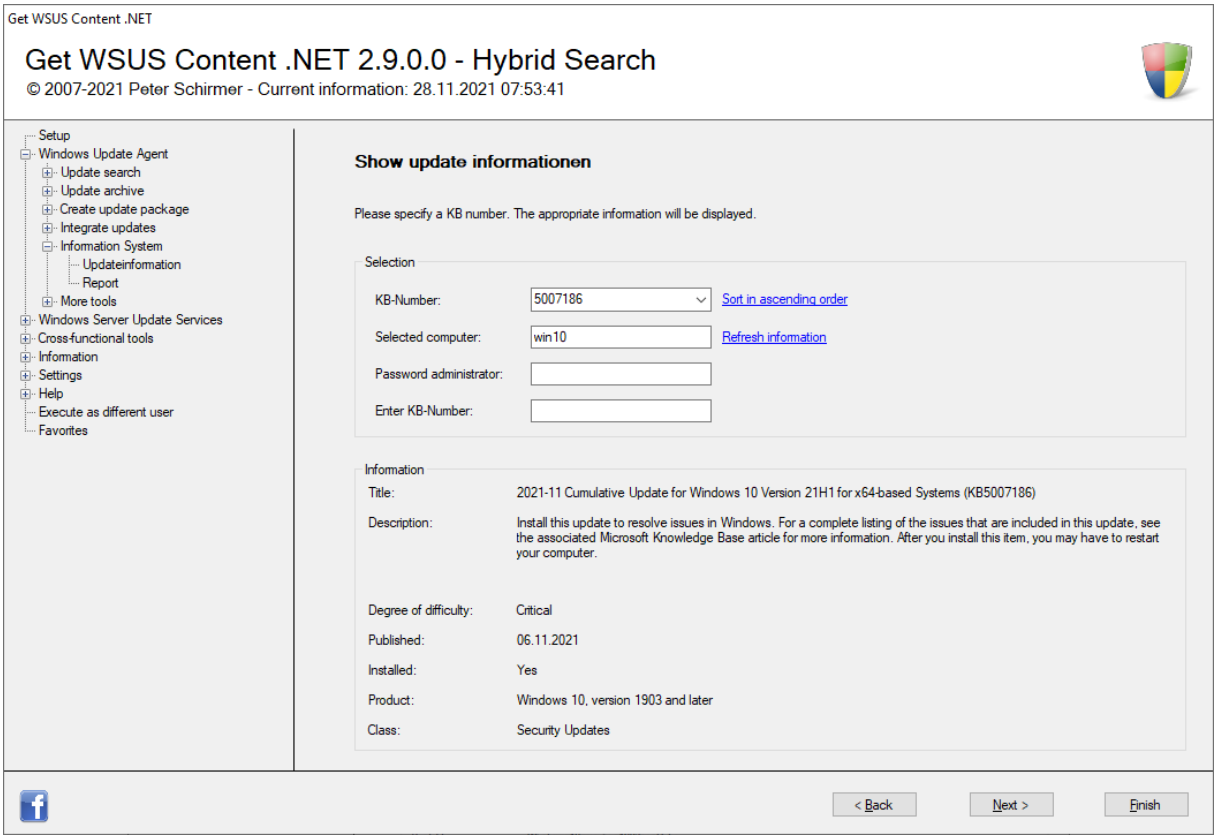
3.2.1.4.1 Office



Source of the product DVD and details

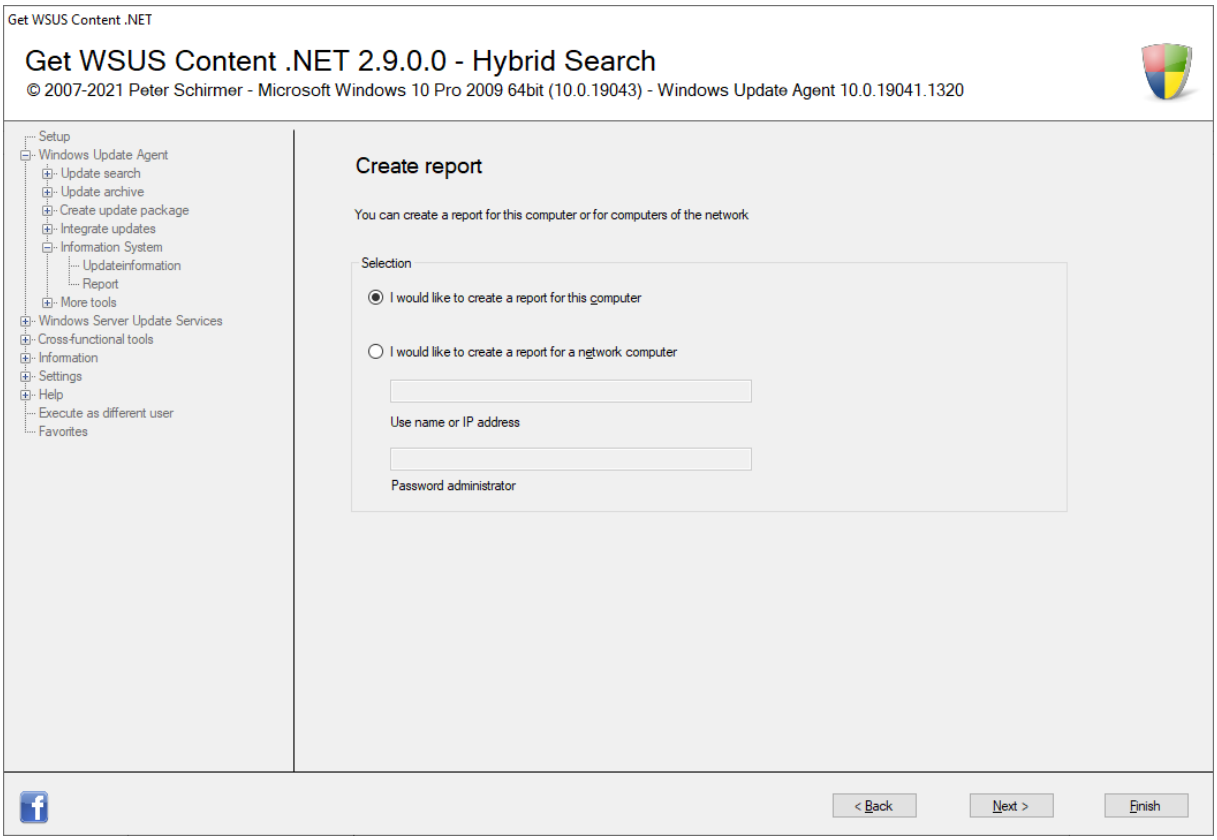
3.2.1.5 Information system

3.2.1.5.1 Update information

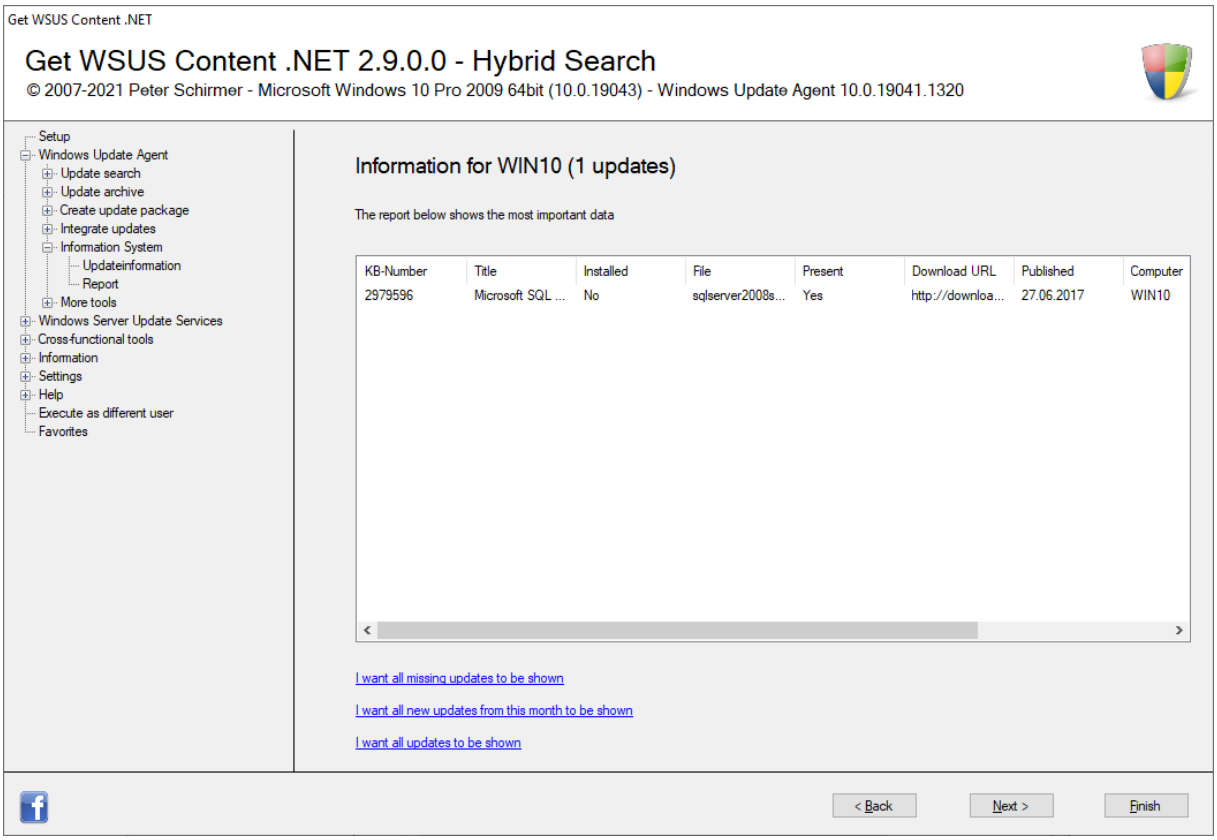


Information about an update

3.2.1.5.1 Report



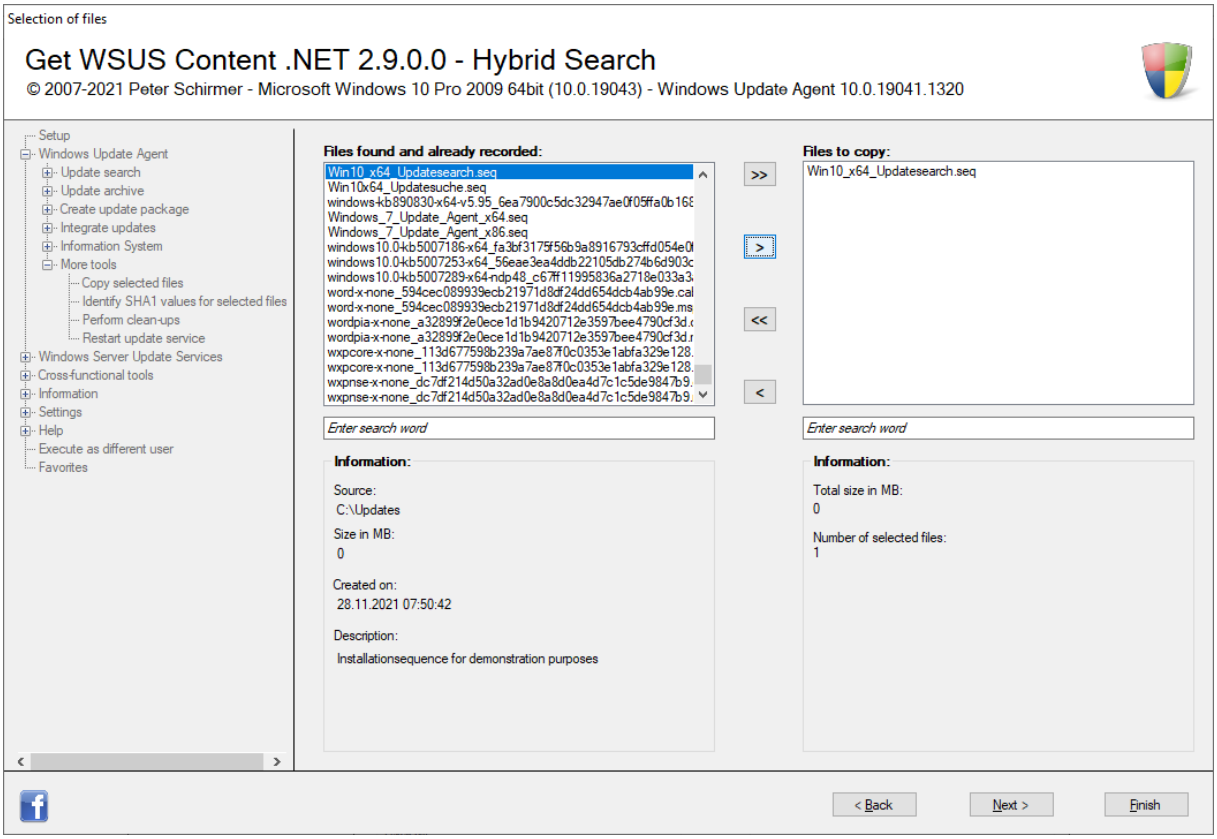
Selection of the target computer


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
Updateinformation
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

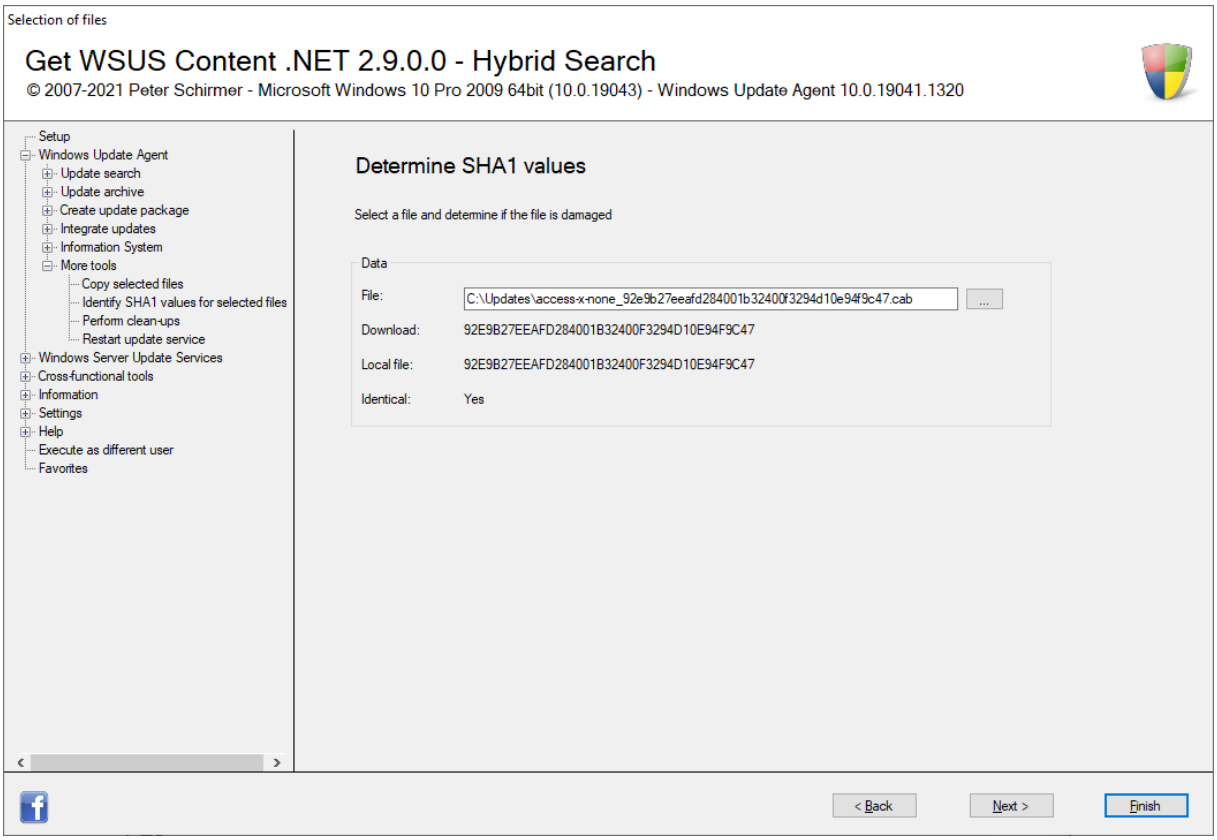
3.2.1.6 More tools

3.2.1.6.1 Copy selected files



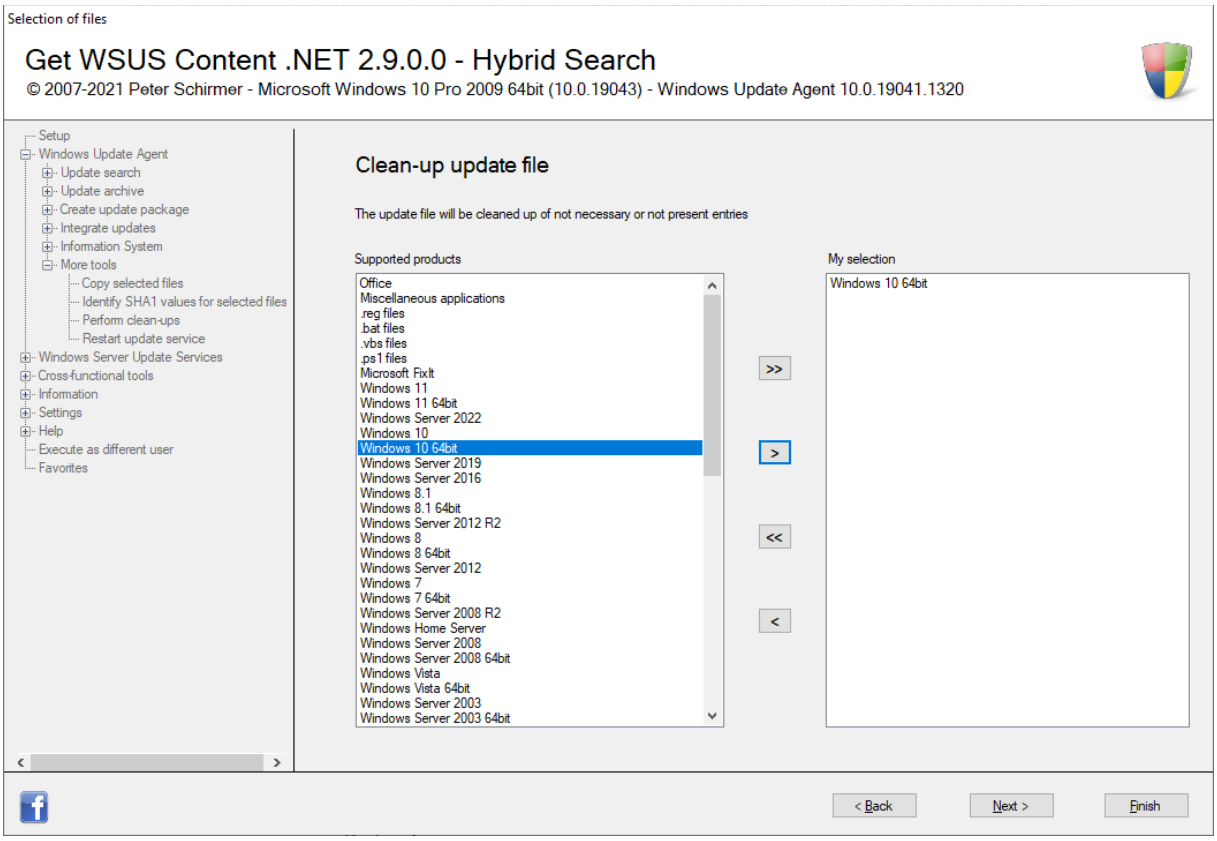
The contents of the update directory (default: C:\Updates)

3.2.1.6.2 Determine SHA1 values for selected files



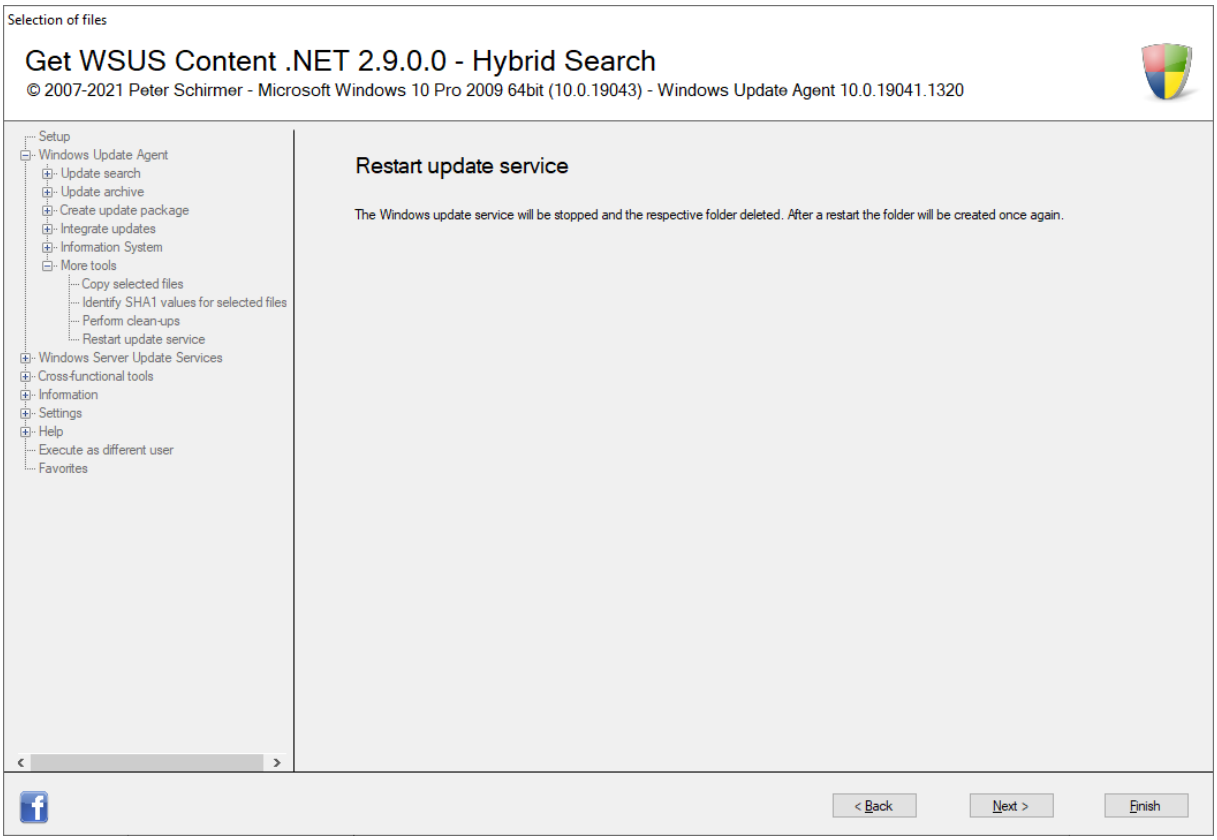
Comparison of the SHA1 value of a file

3.2.1.6.3 Perform cleanup



Selection of the products to be included in the list

3.2.1.6.4 Restart update service

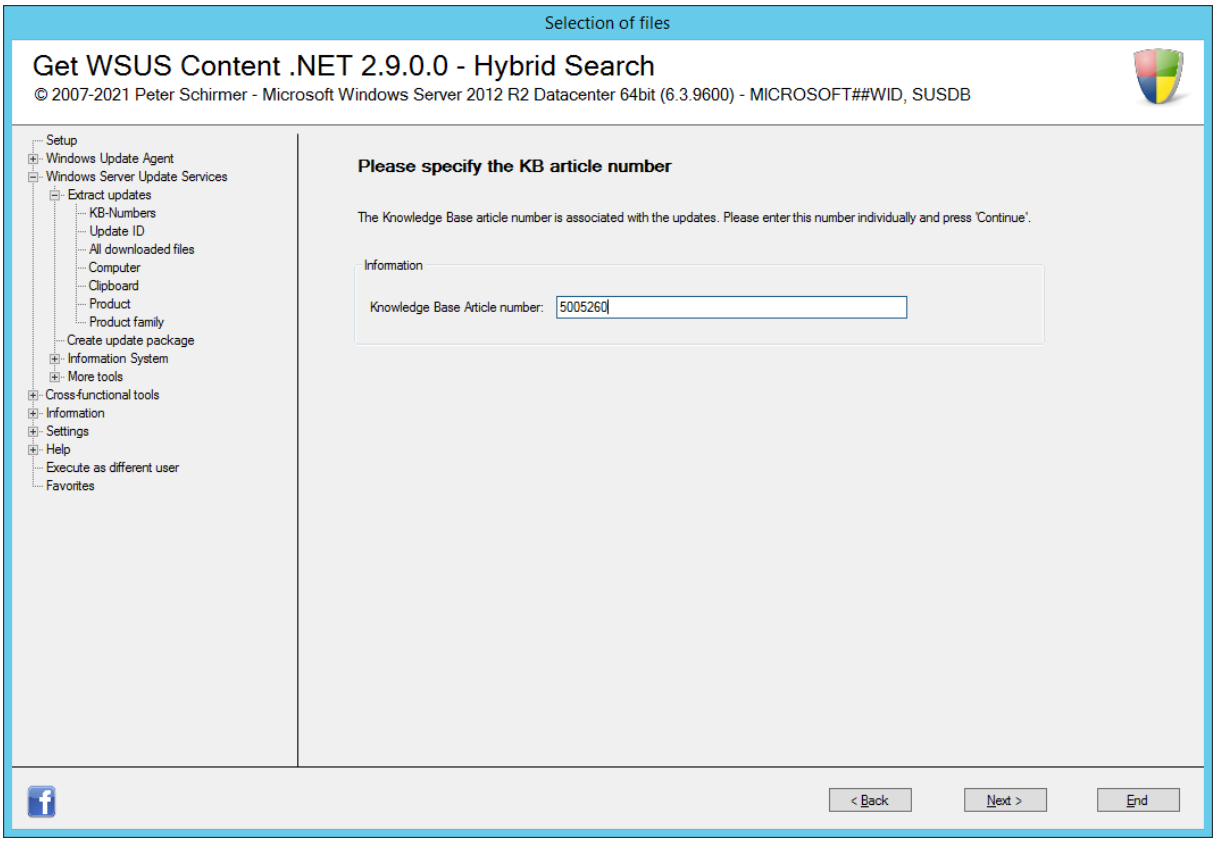


Initiate a restart of the update service

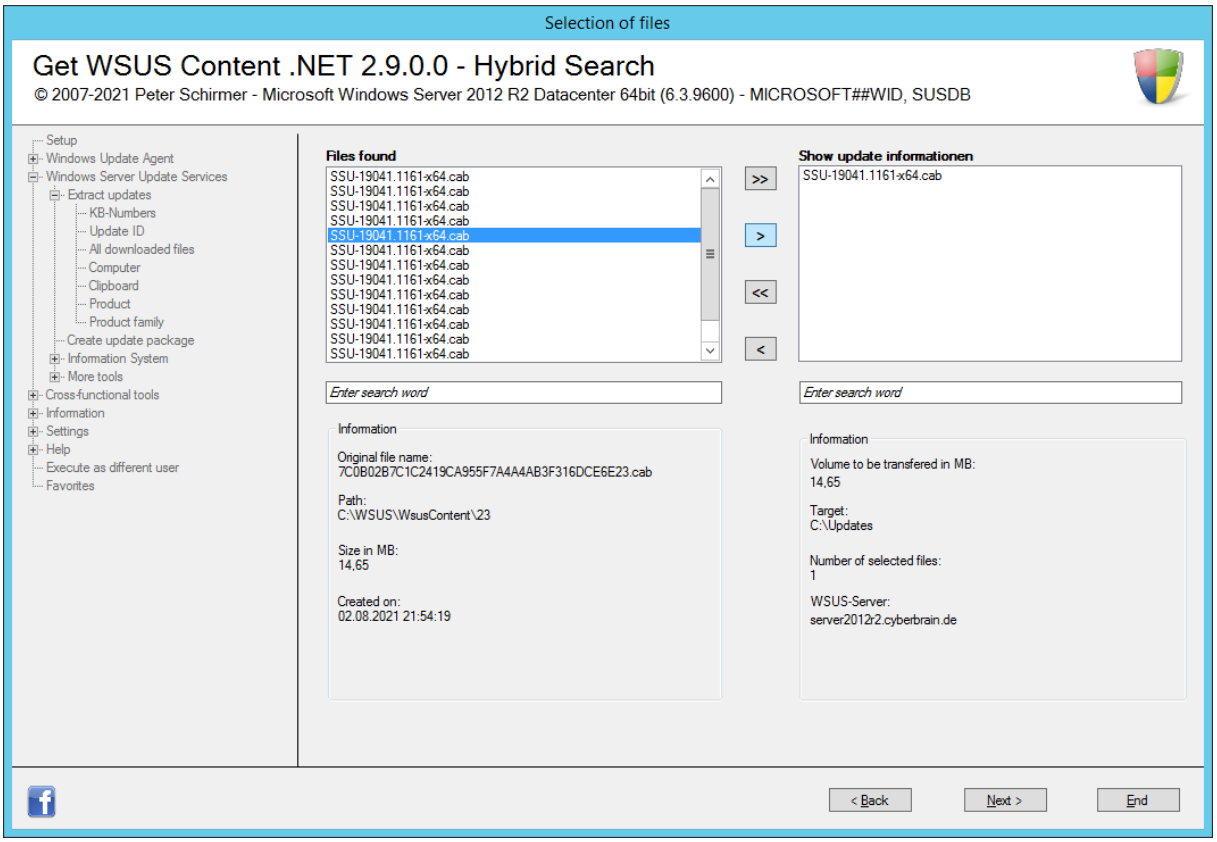
3.2.2 Windows Server Update Services

3.2.2.1 Extract updates

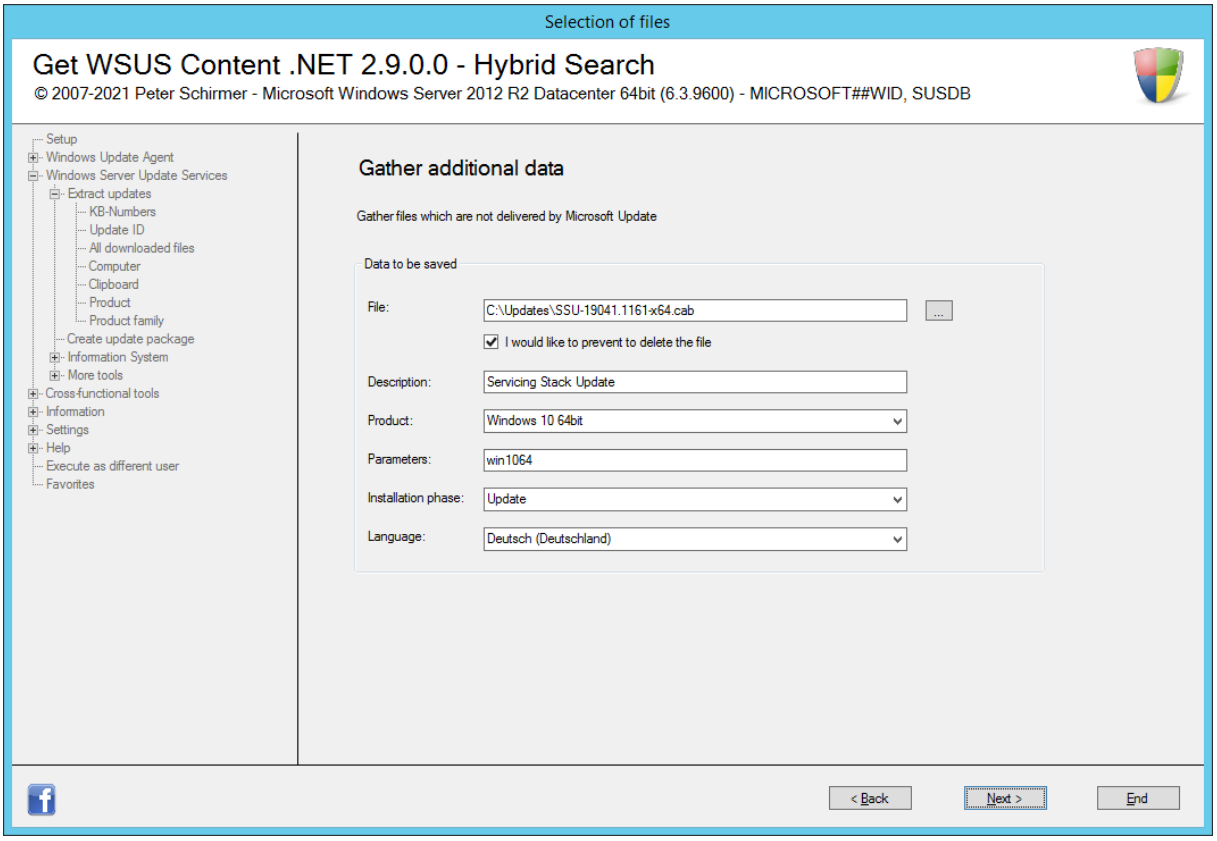
3.2.2.1.1 KB numbers



Entering a KB number

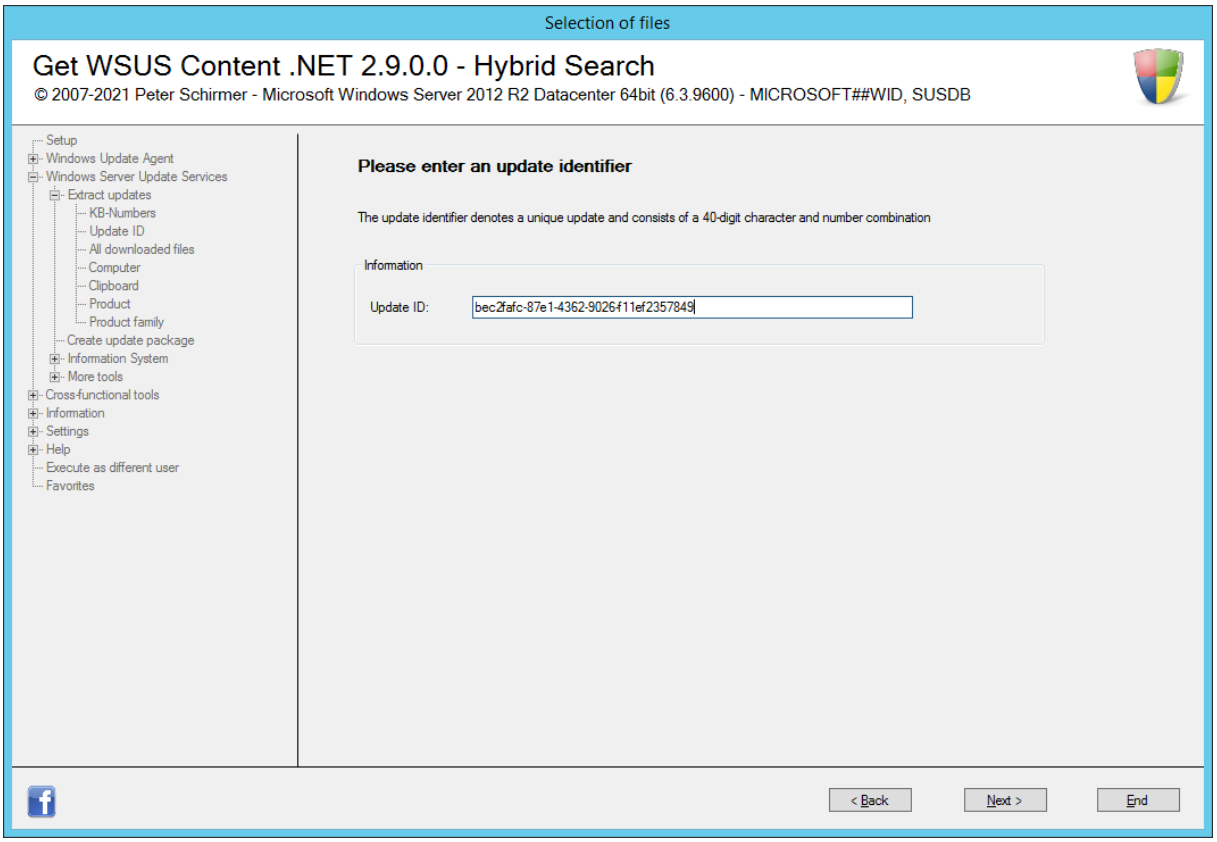


The identified, assigned files

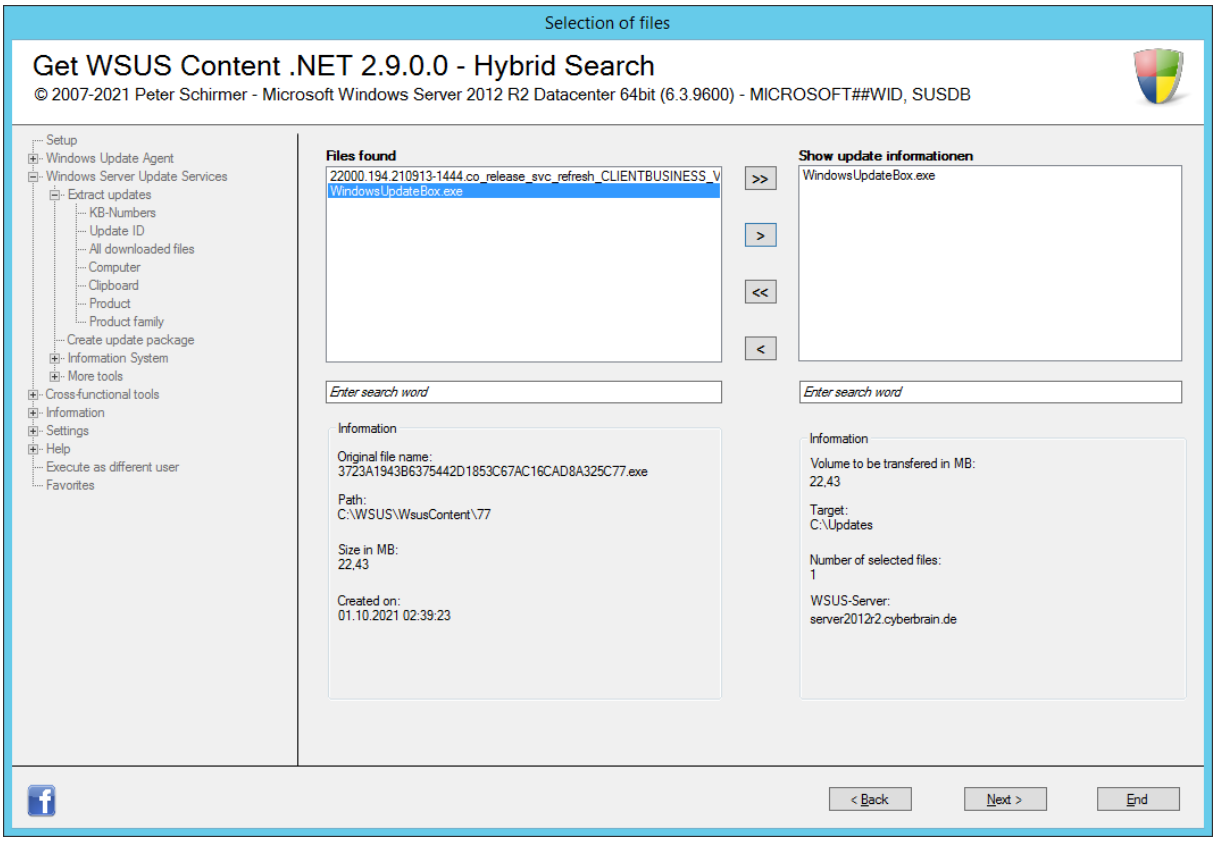


Acquisition of the selected file

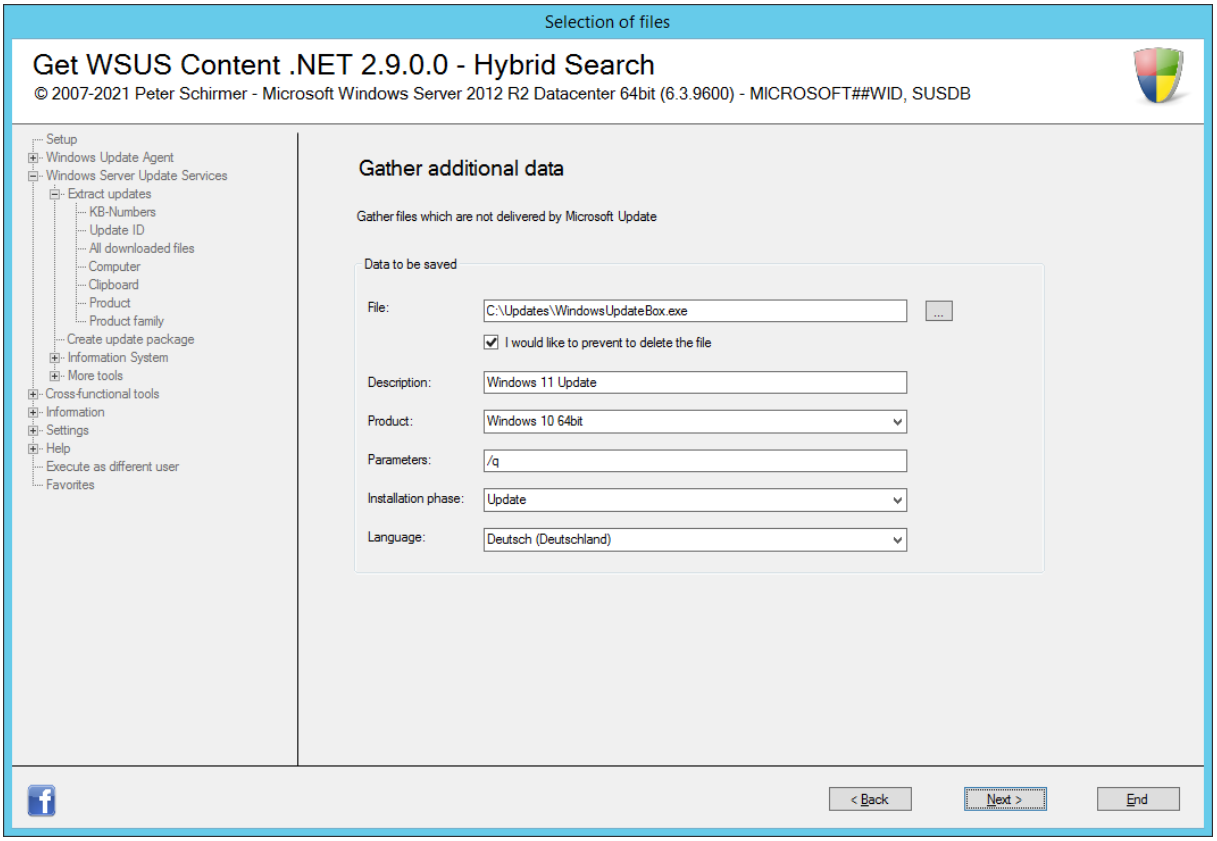
3.2.2.1.1 Update ID



The update identifier

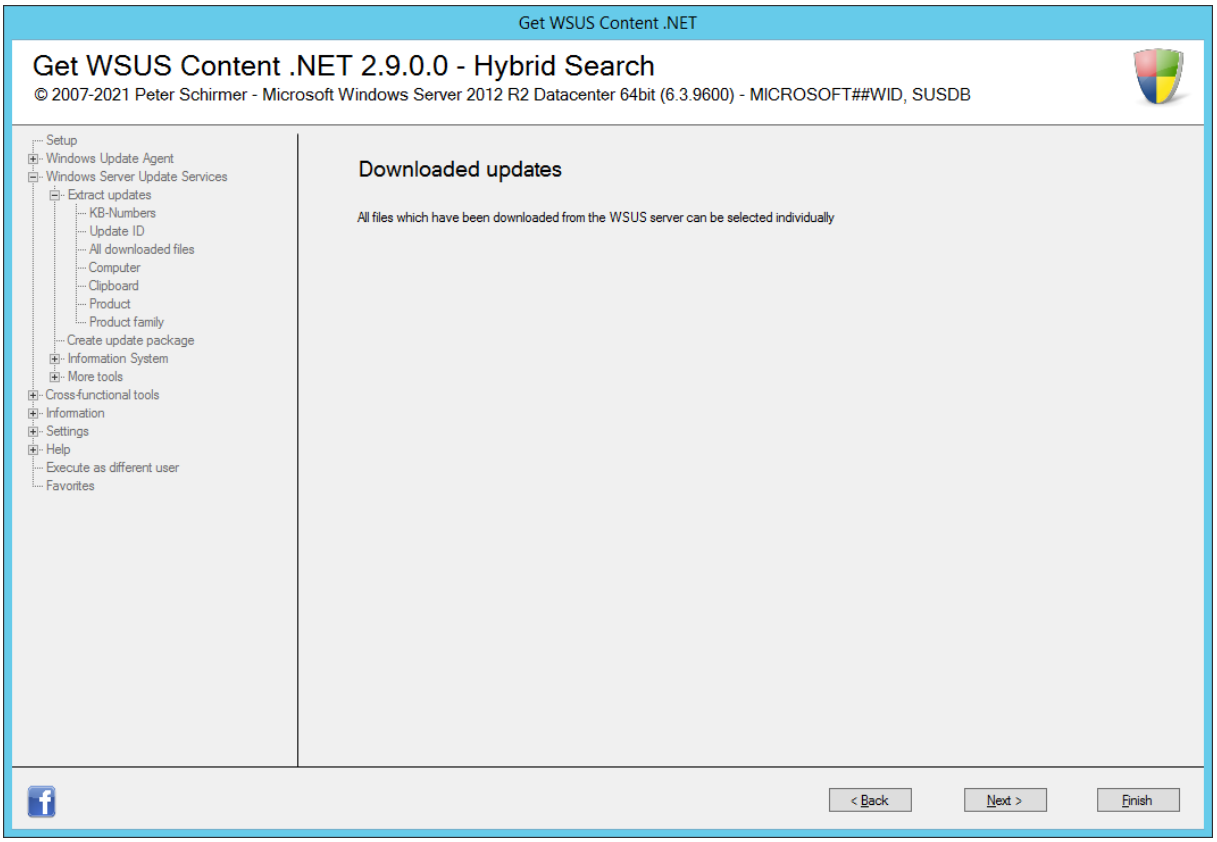


The determined, assigned files

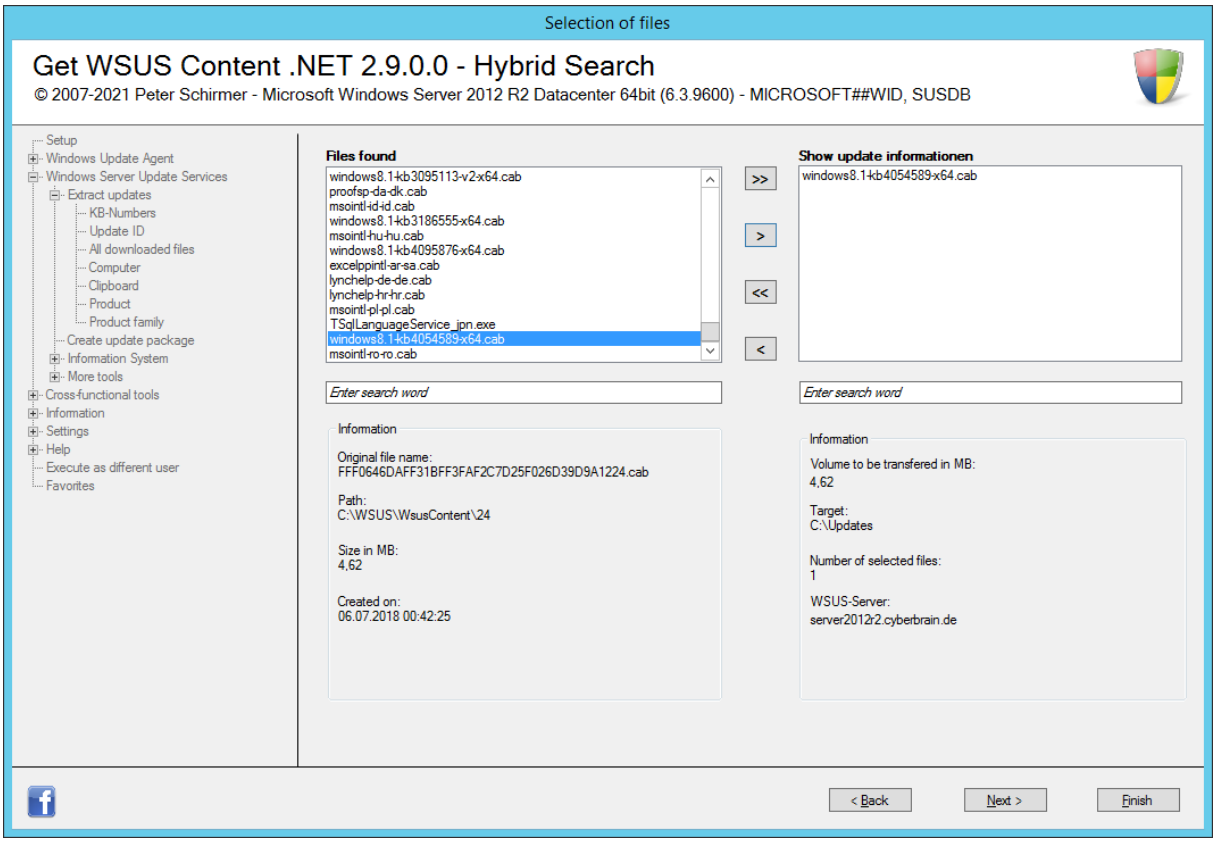


Acquisition of the selected file

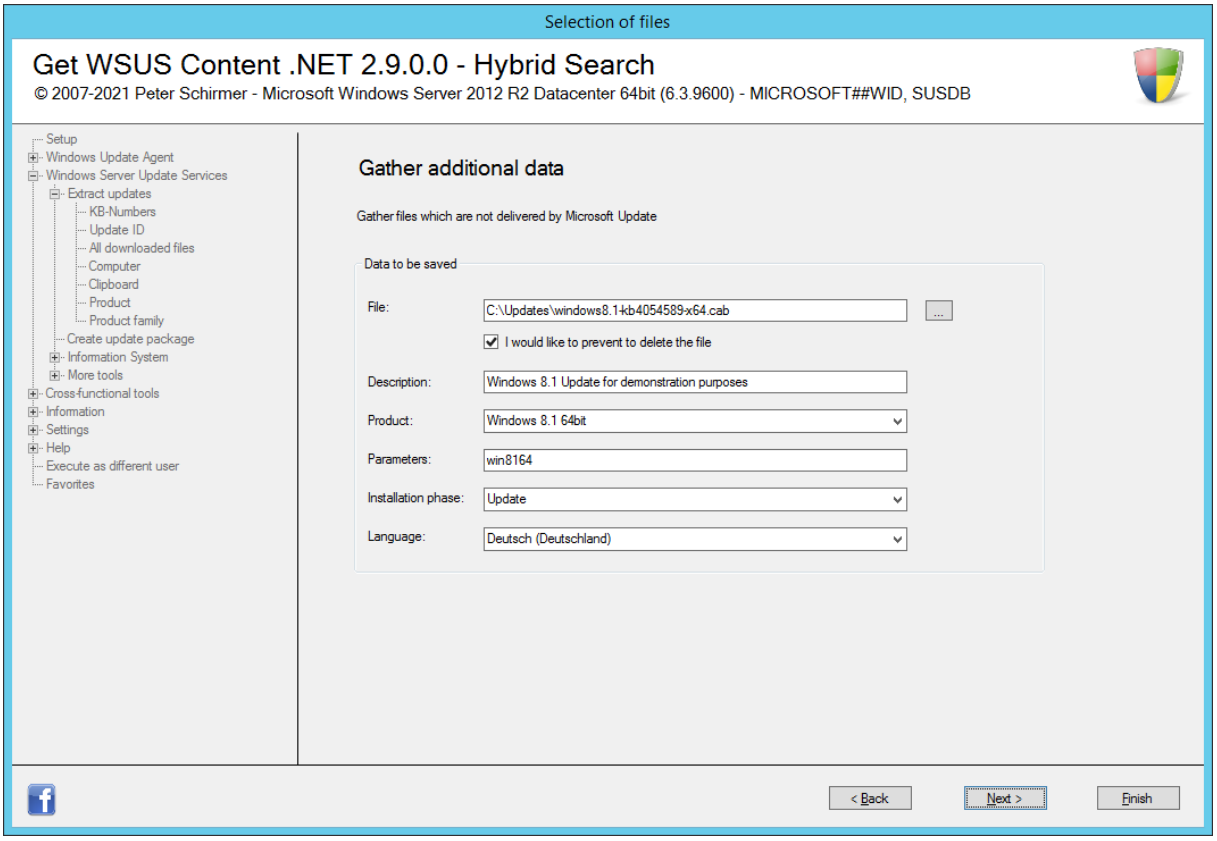
3.2.2.1.1 All downloaded files



Initial screen

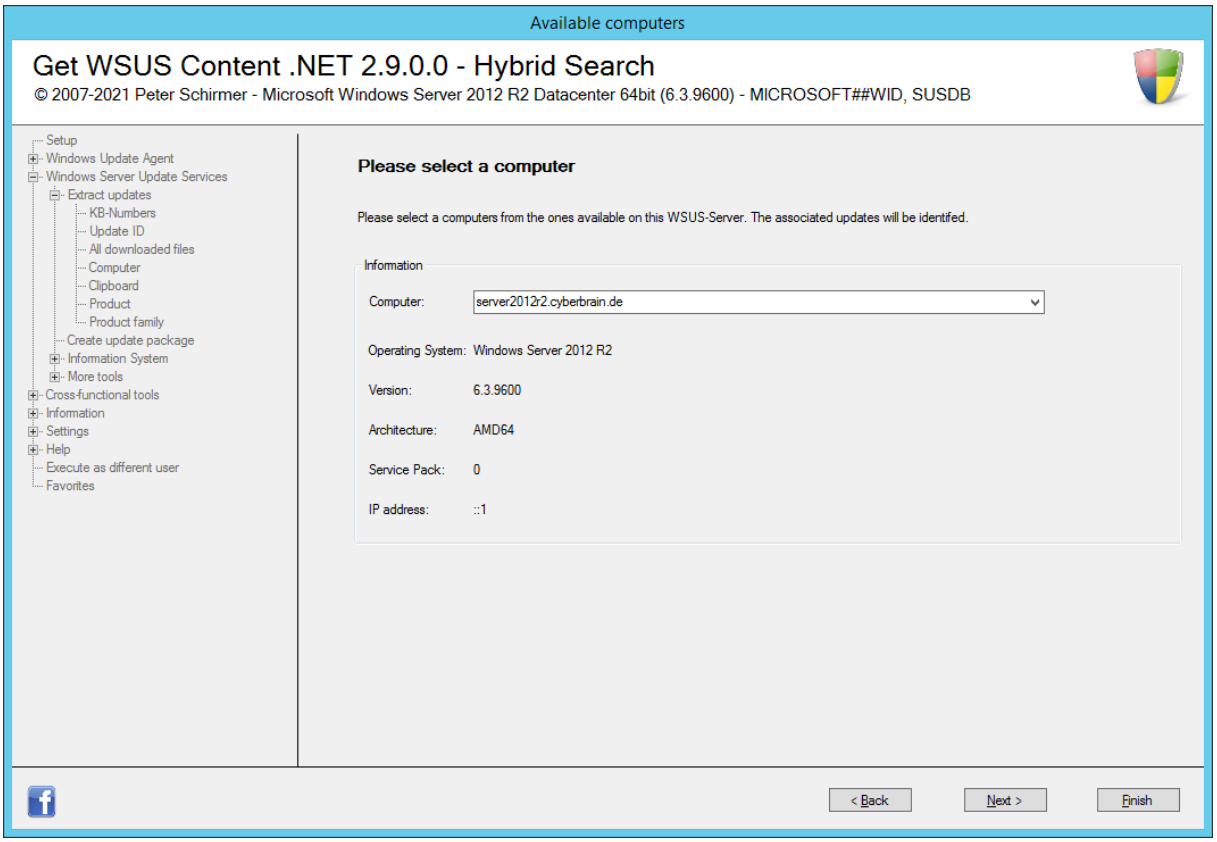


List of all available files

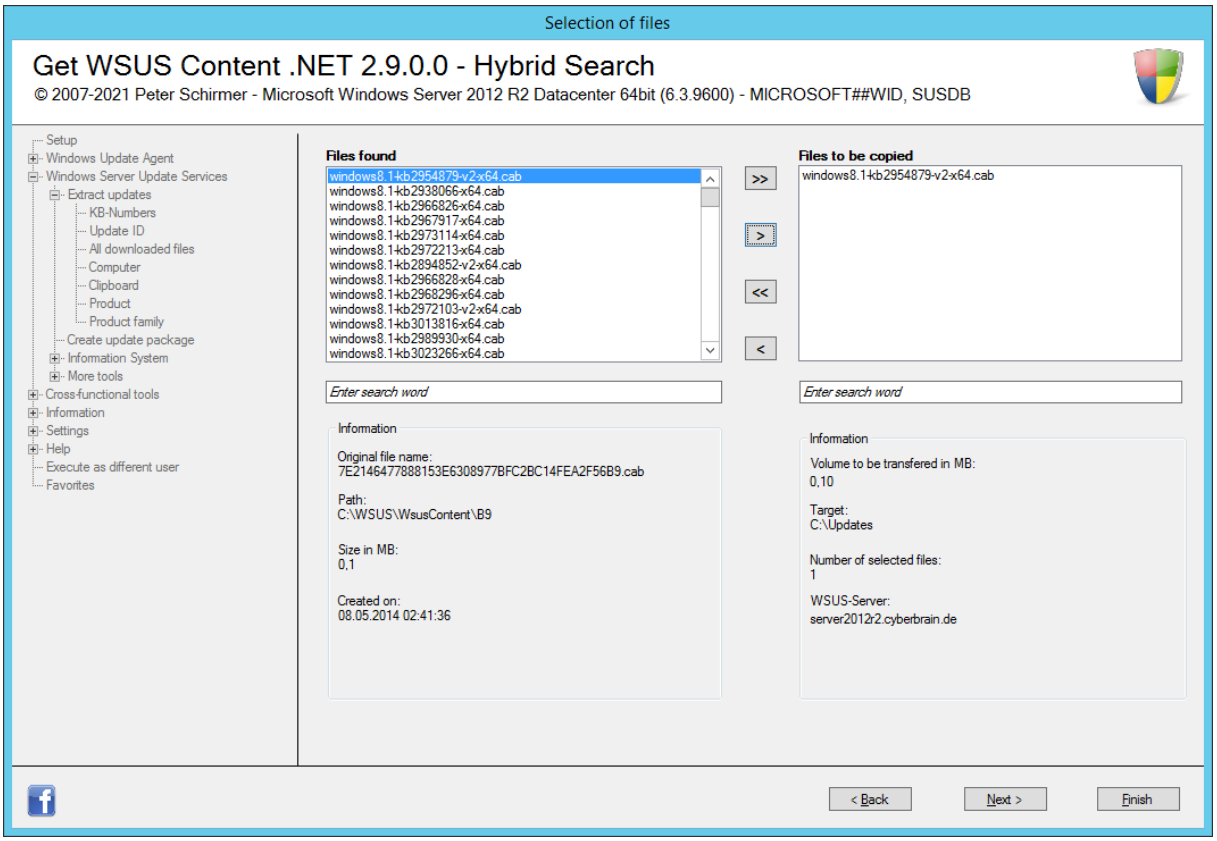


Acquisition of the selected file

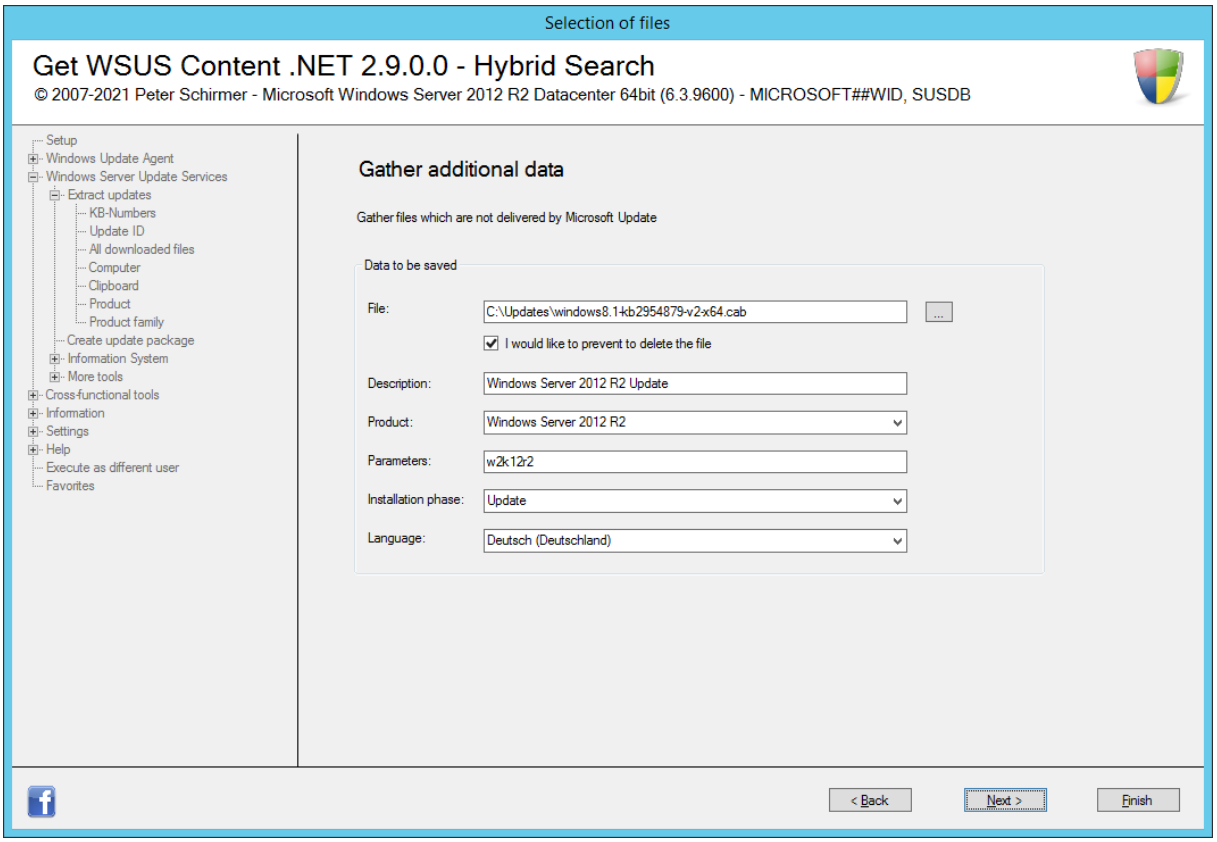
3.2.2.1.1 Computer



Computers connected to the WSUS server

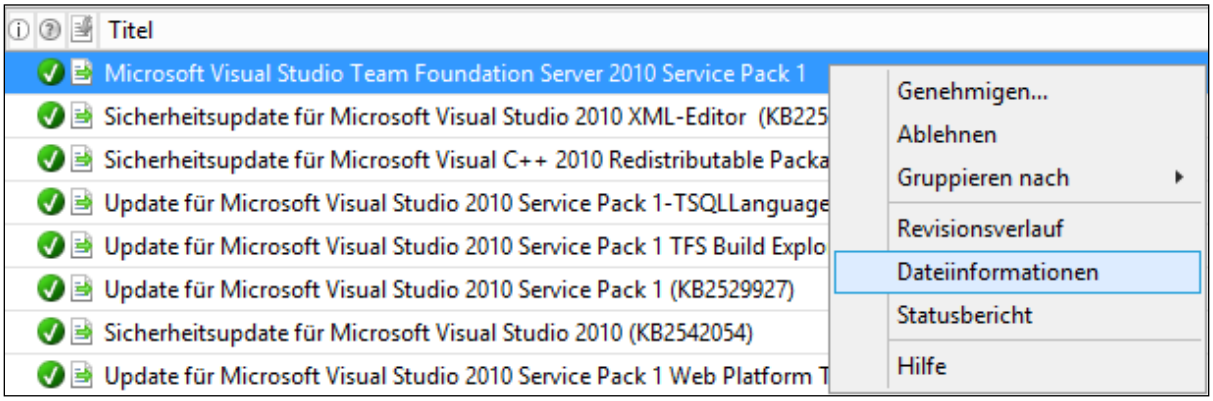


Files found for the selected computer

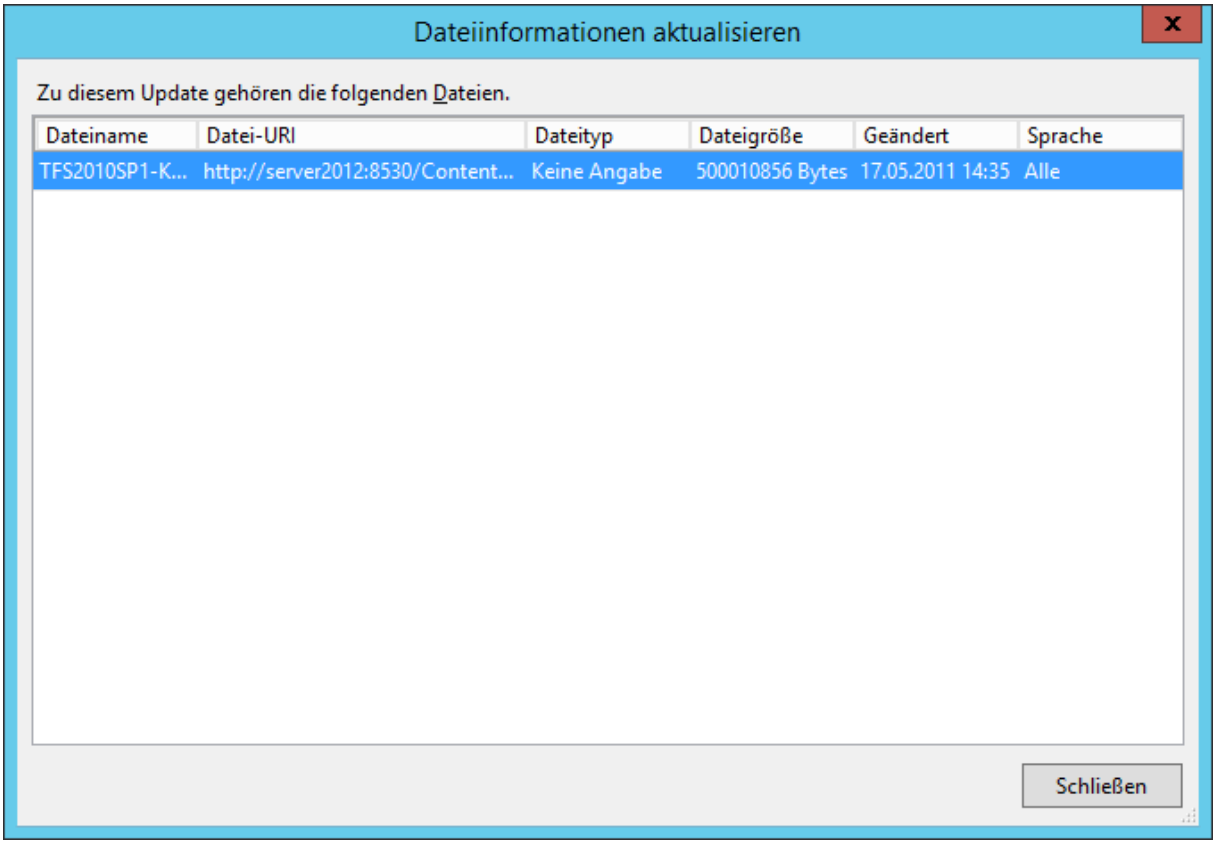


Acquisition of the selected file

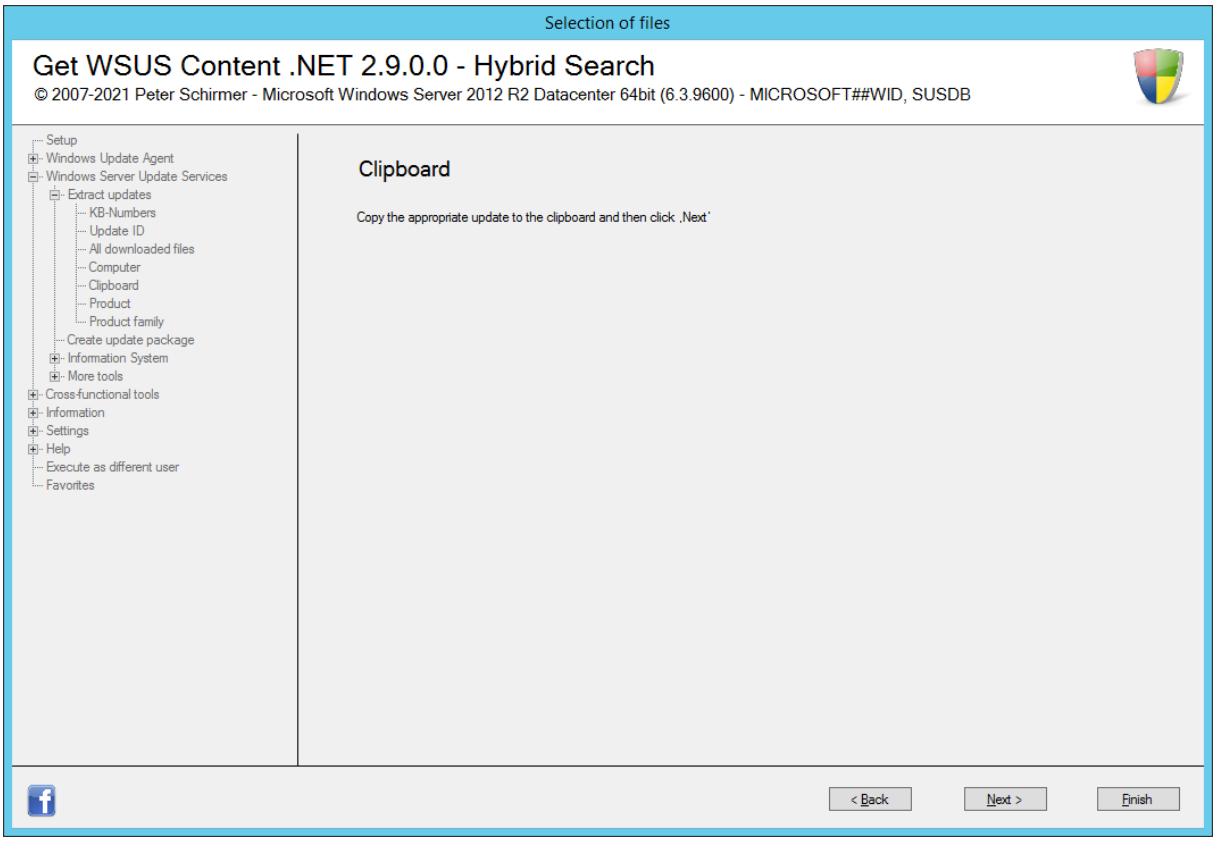
3.2.2.1.2 Clipboard



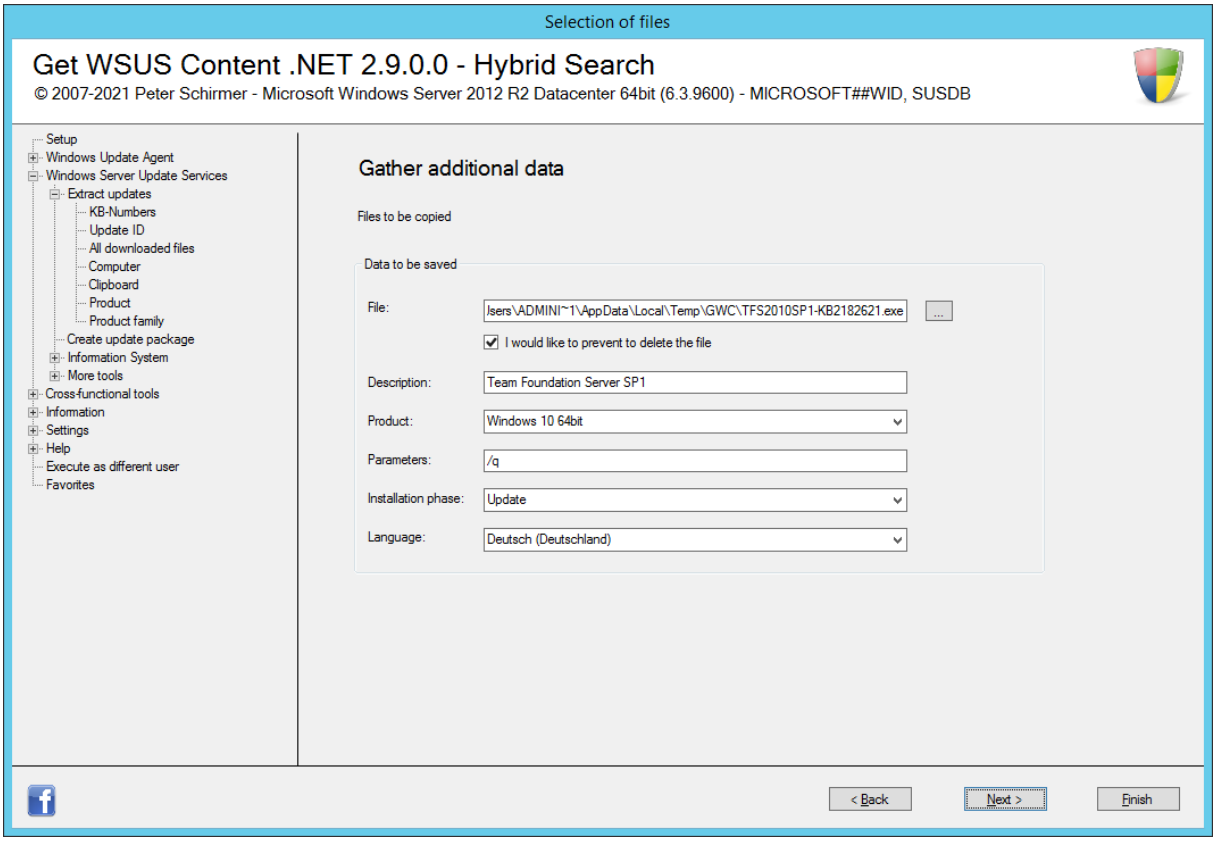
Update selection



Display of the associated file

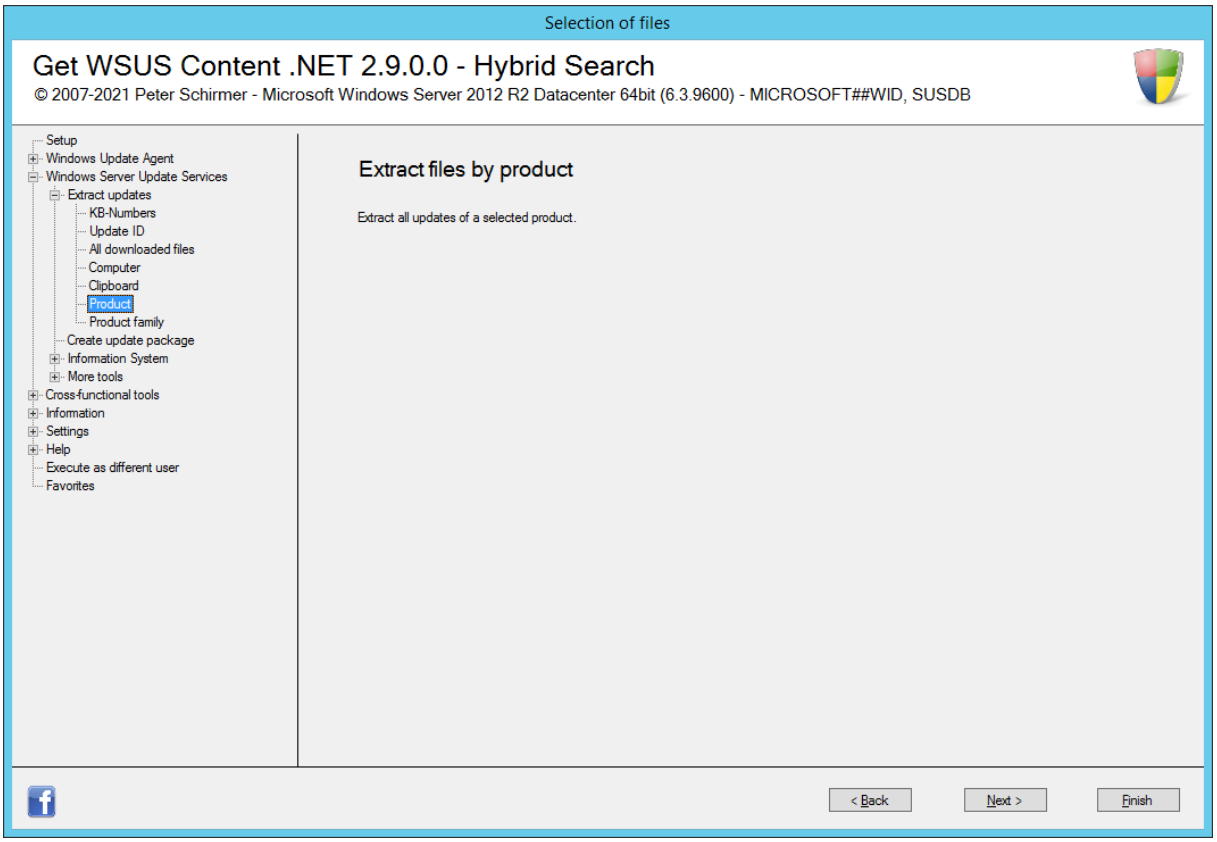


Initial screen

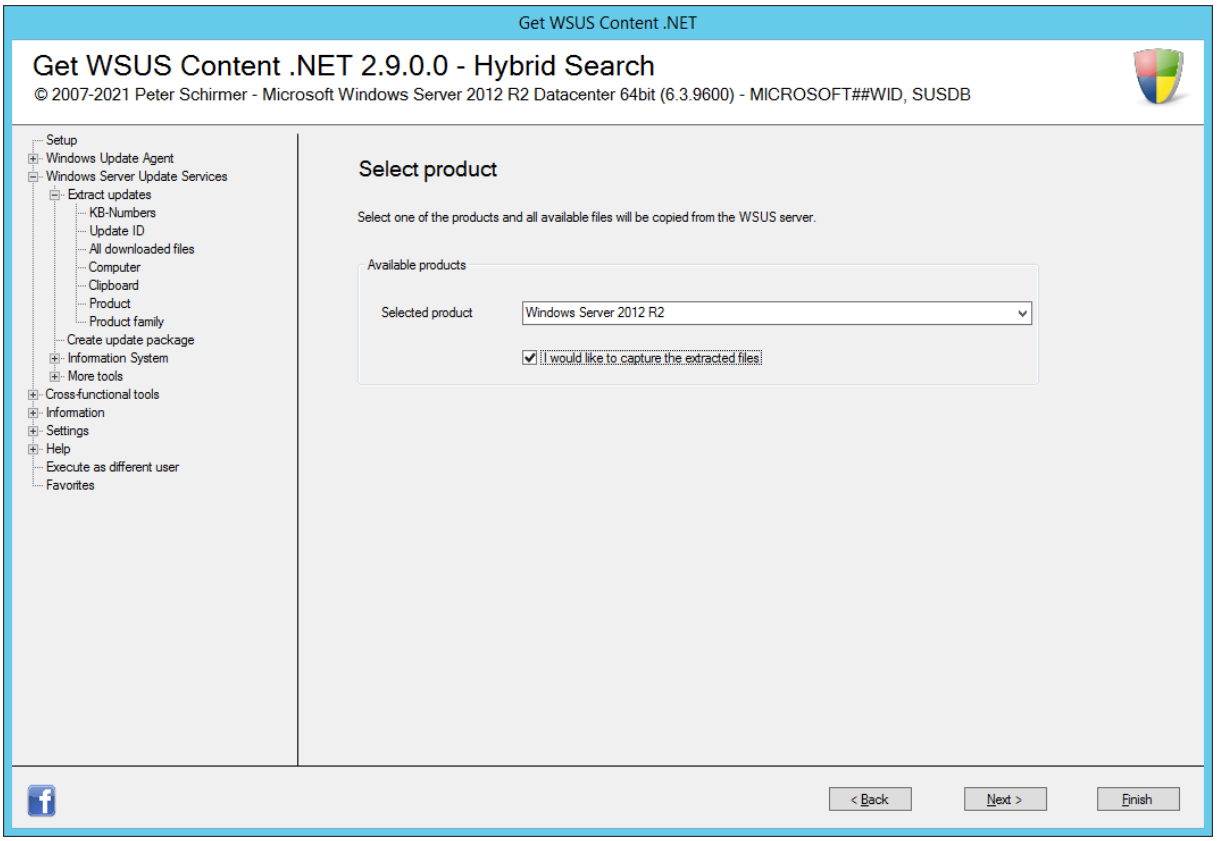


Acquisition of the selected file

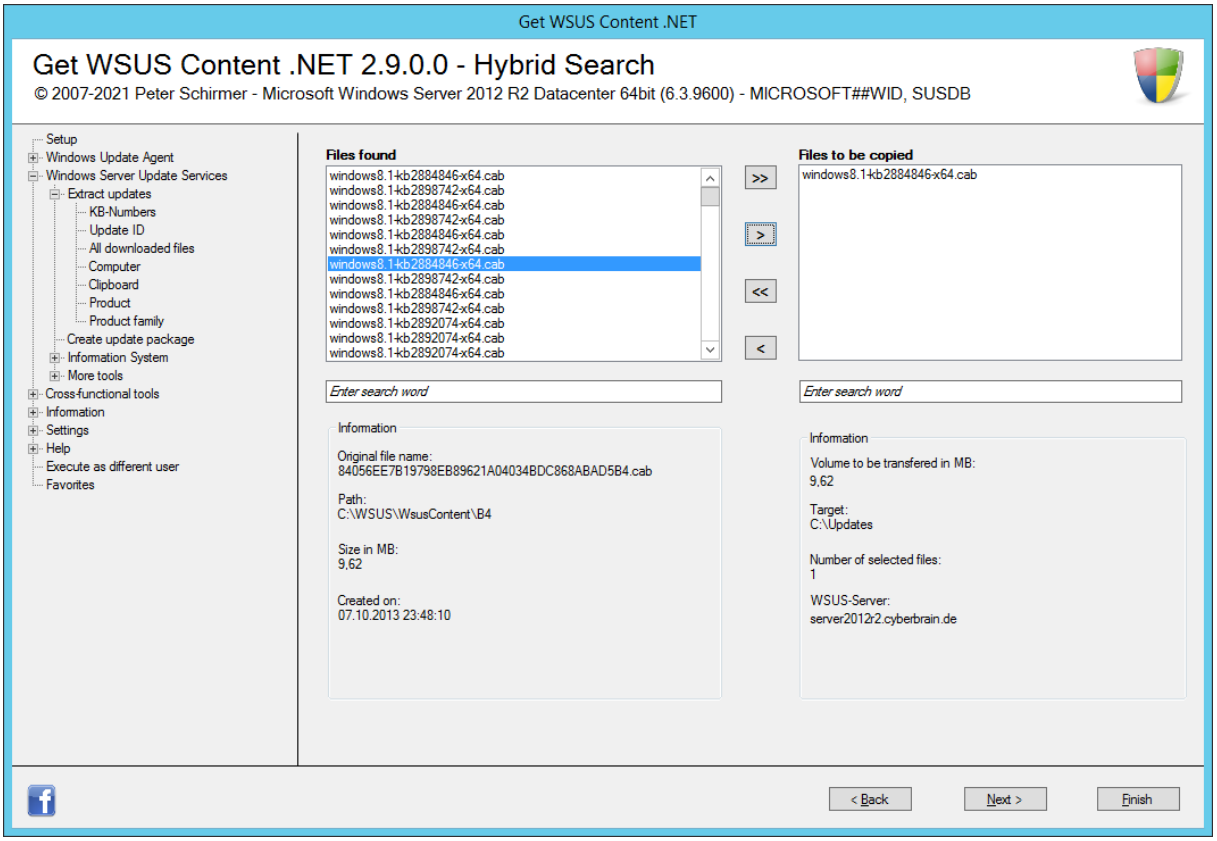
3.2.2.1.3 Product



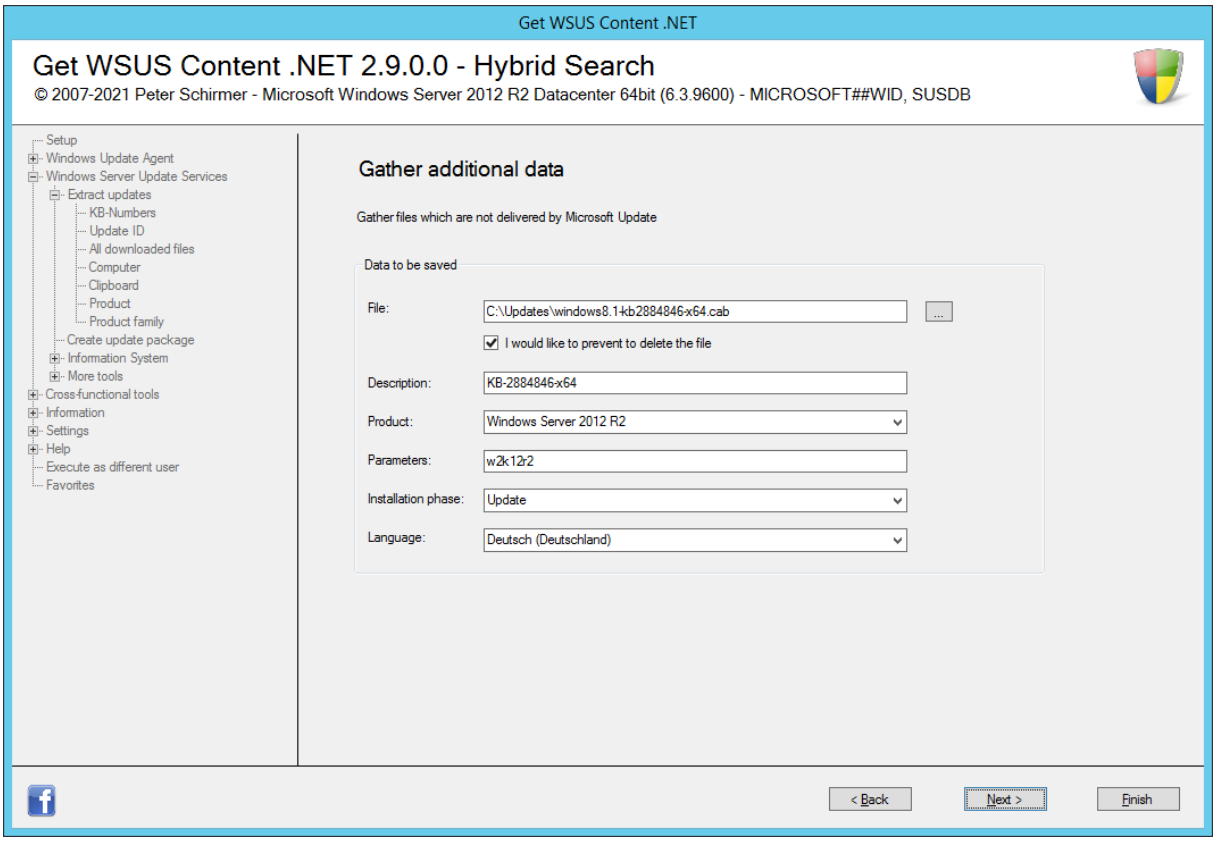
Initial screen



Selection of the product

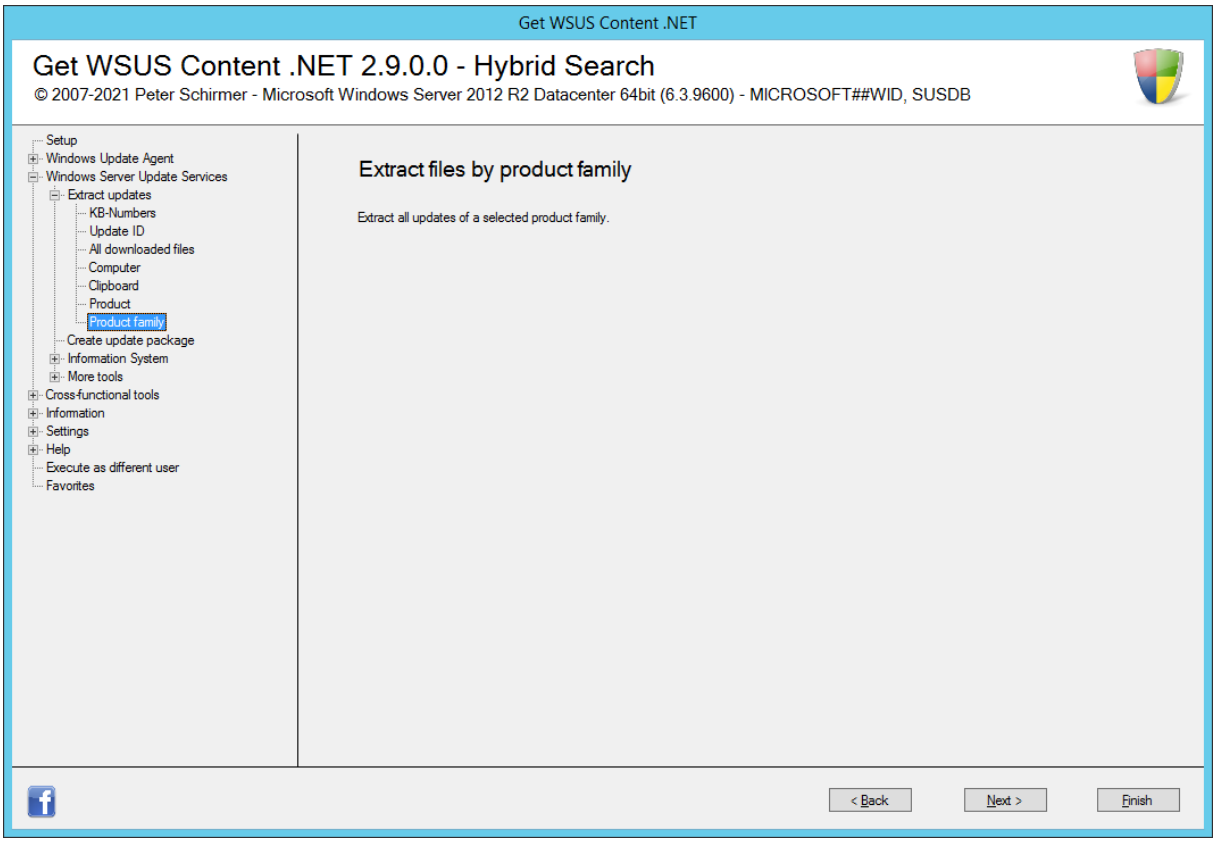


Files detected

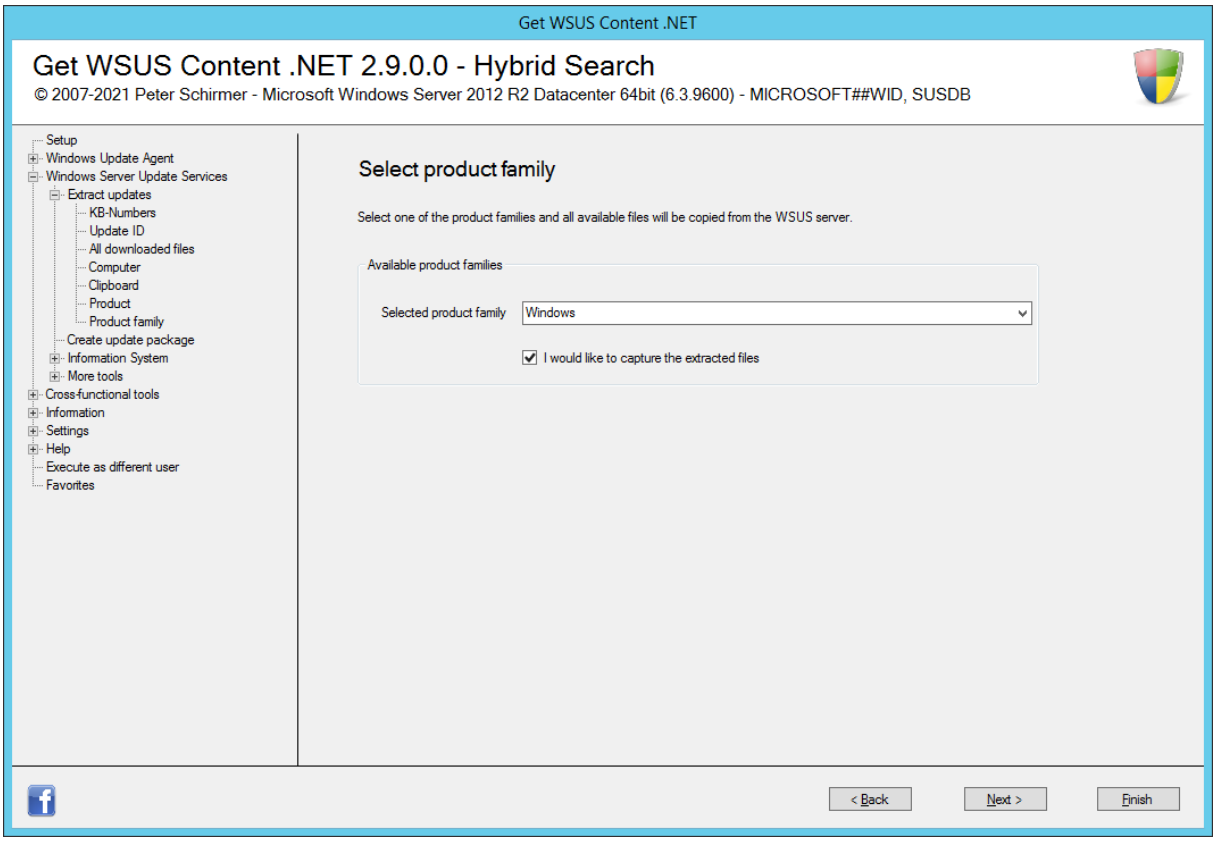


Acquisition of the selected file

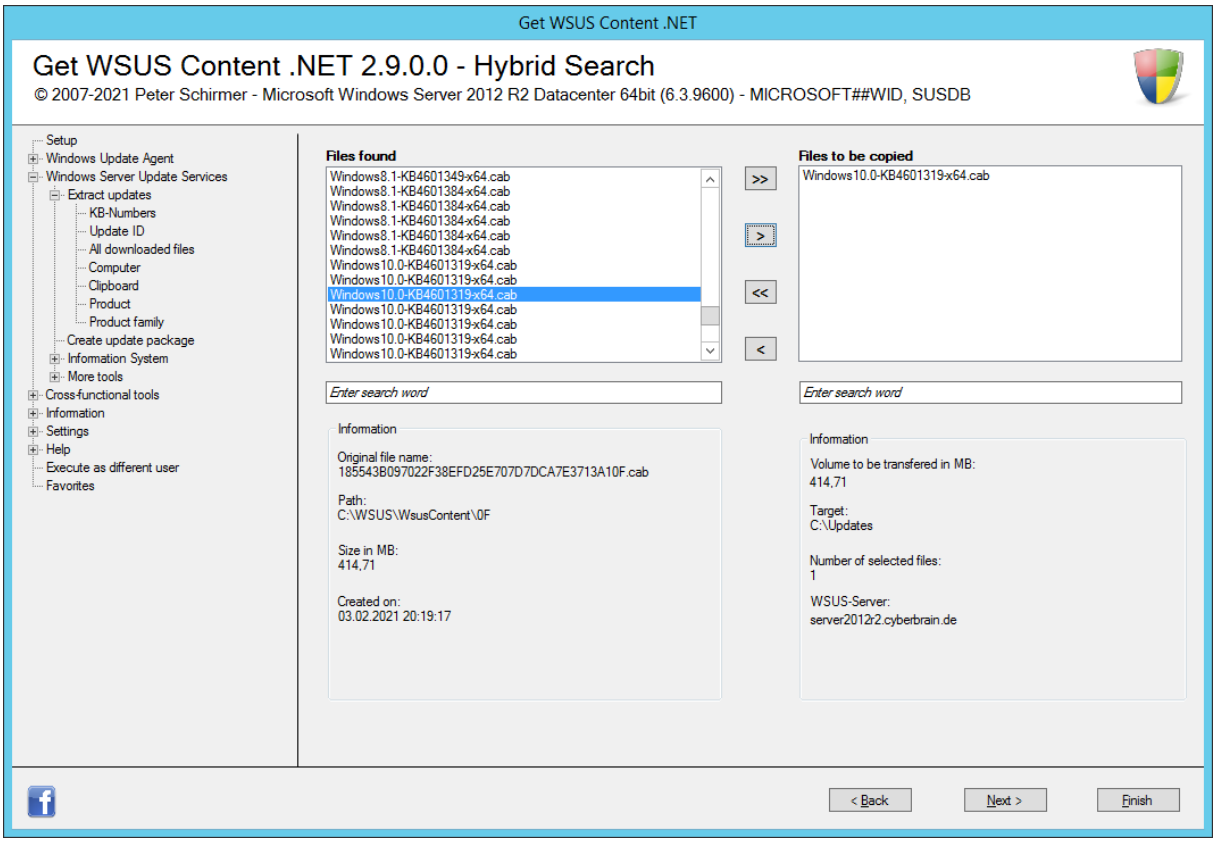
3.2.2.1.4 Product family



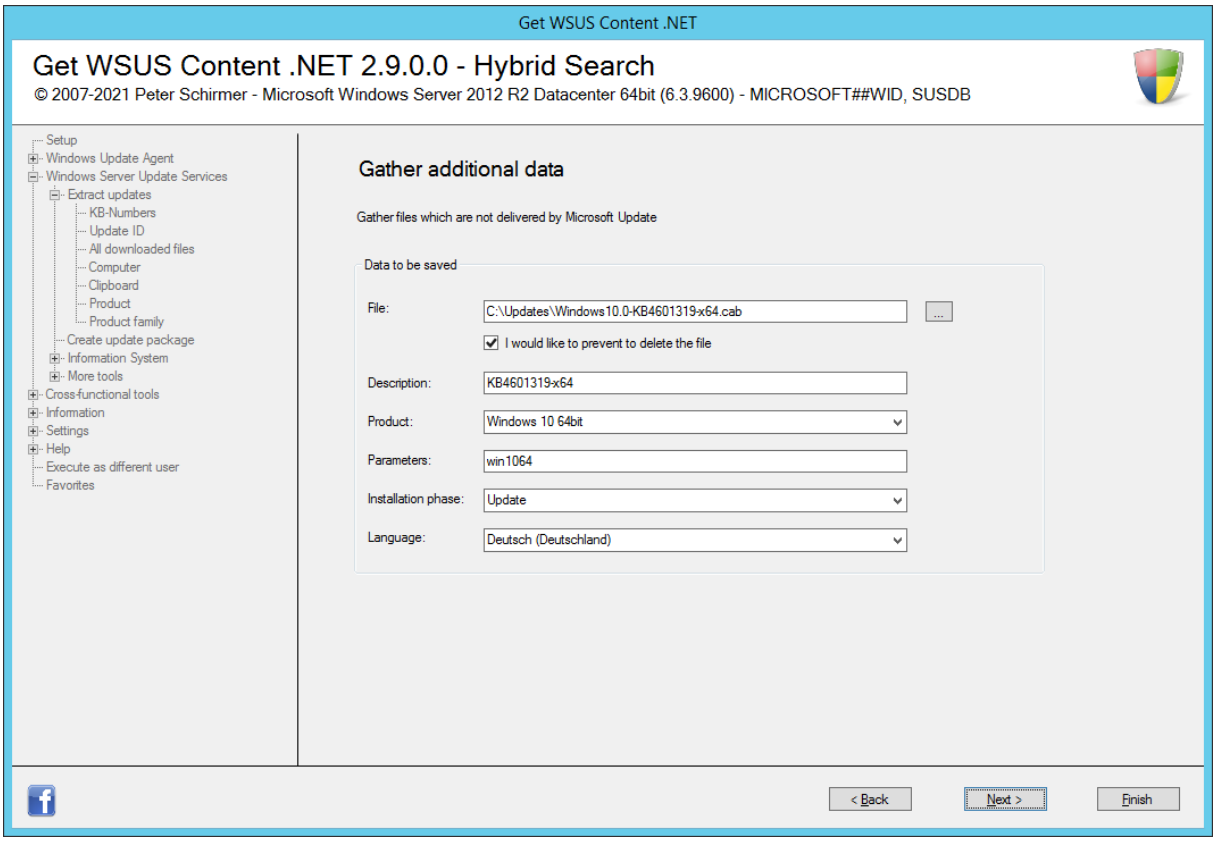
Initial screen



Selection of the product

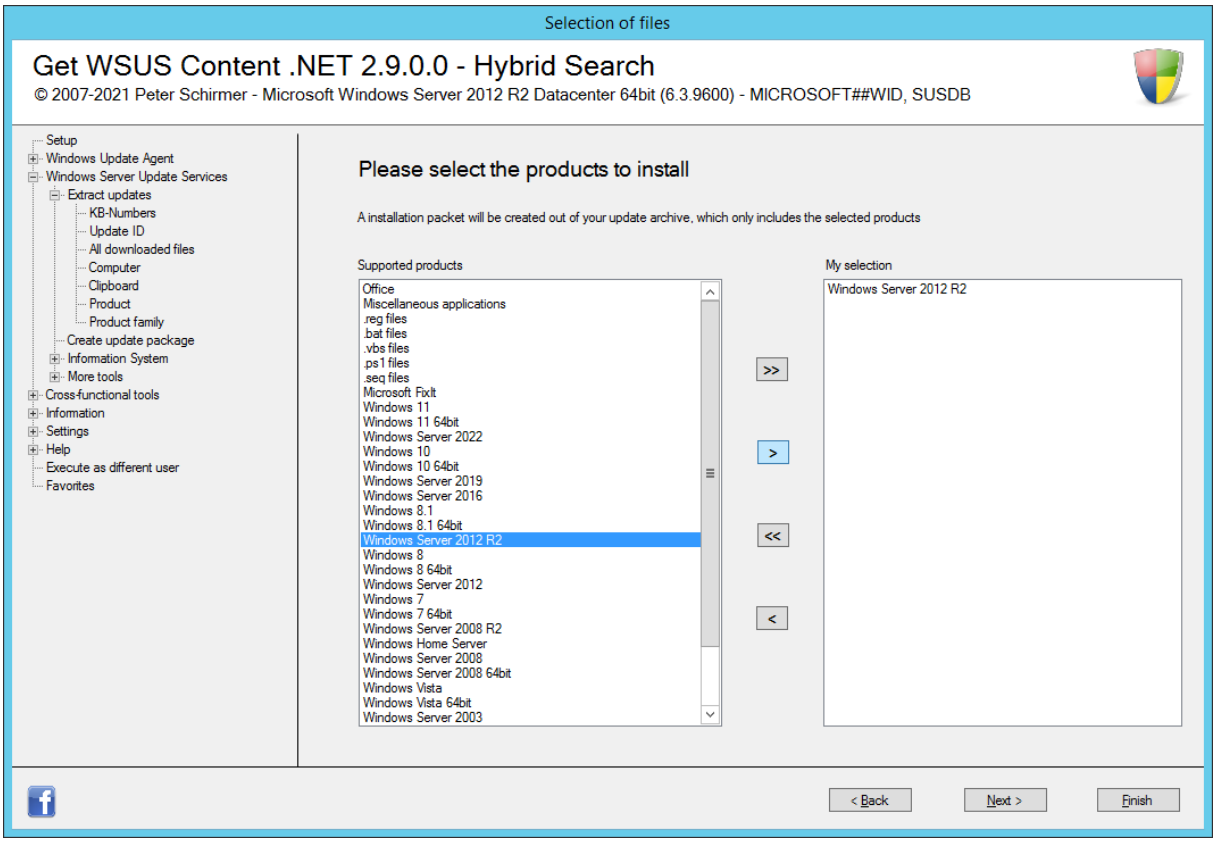


Files detected

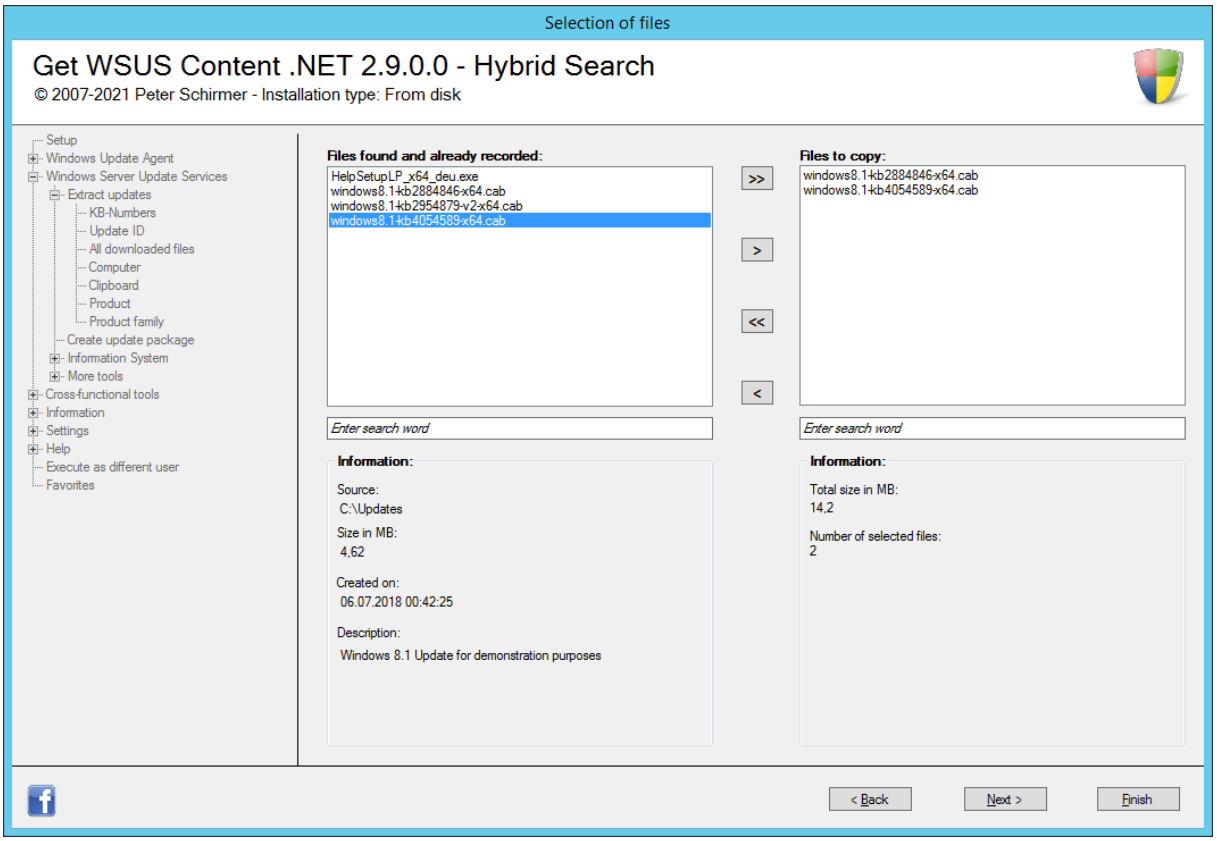


Acquisition of the selected file

3.2.2.2 Create update package



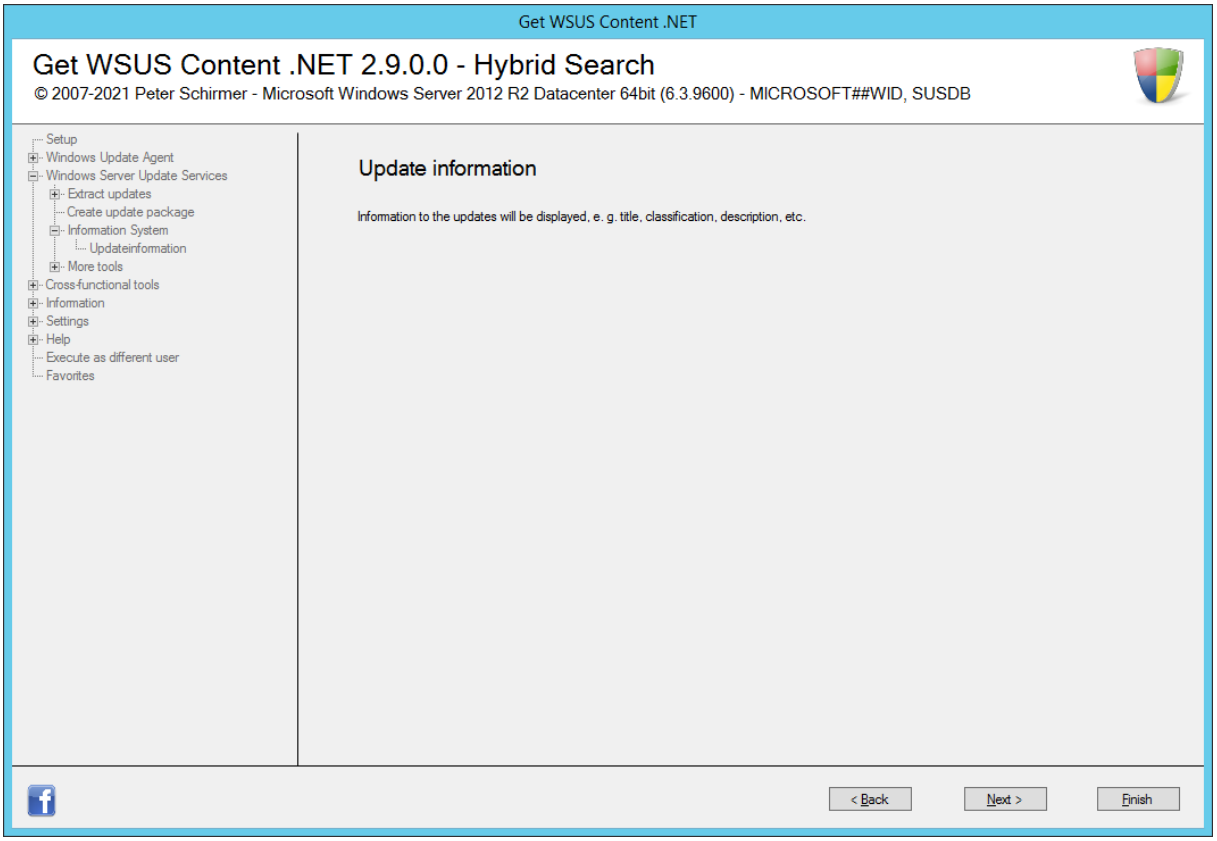
Selection of the product



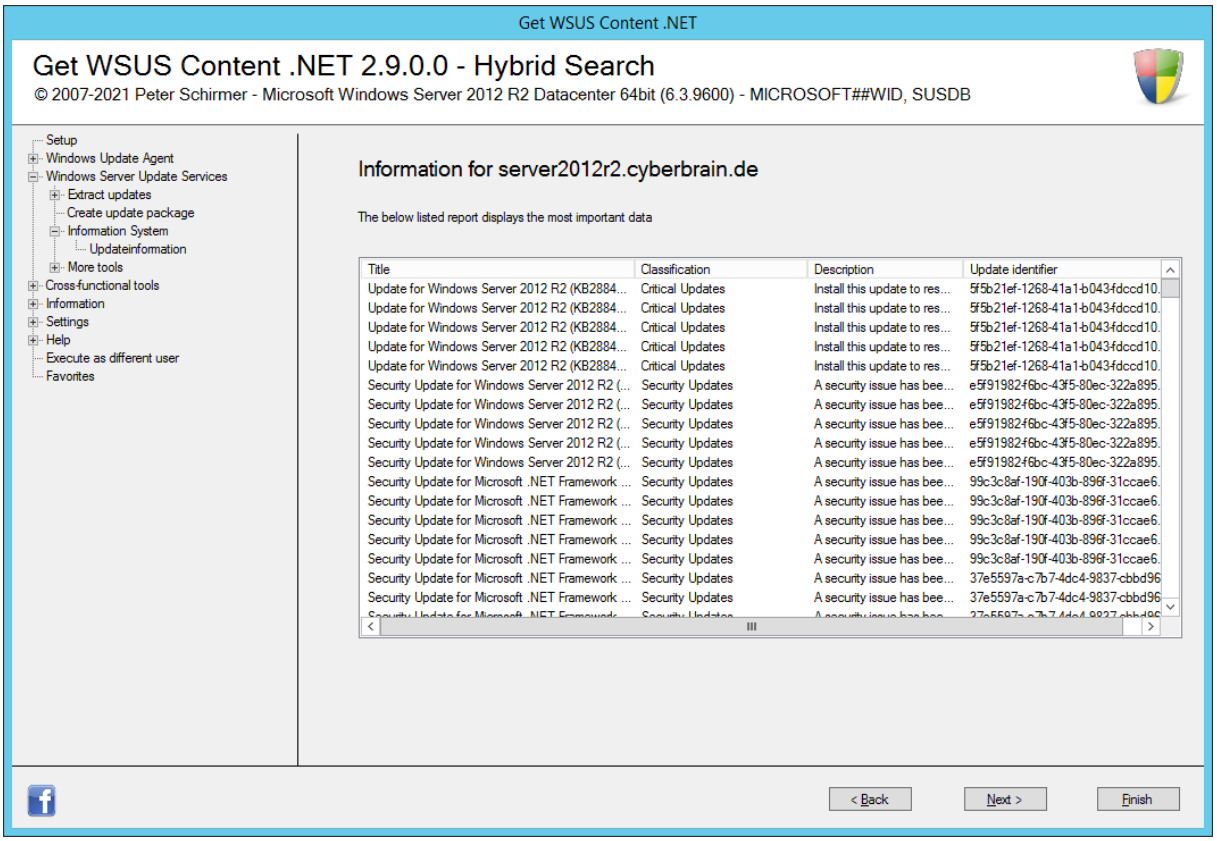
Selection of the determined, associated files

3.2.2.3 Information system

3.2.2.4 Update information



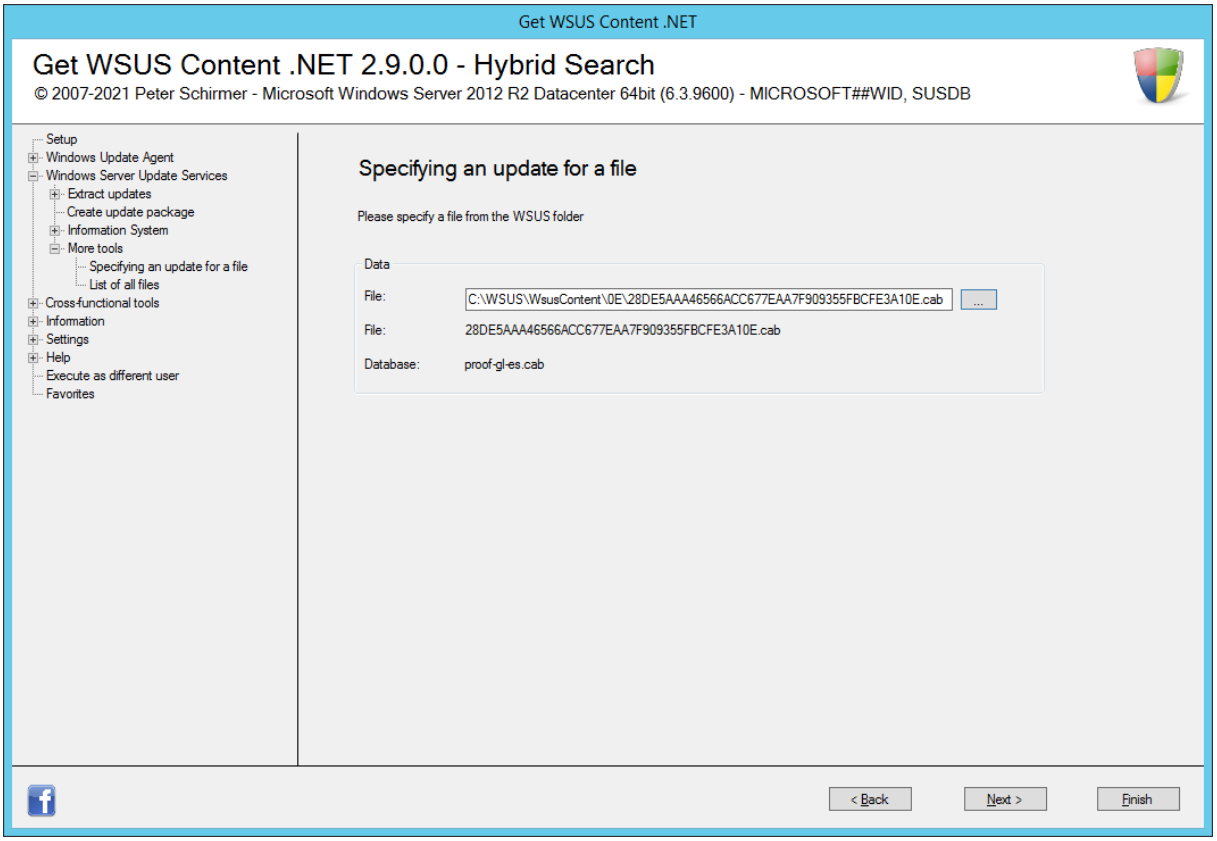
Initial screen



Update information

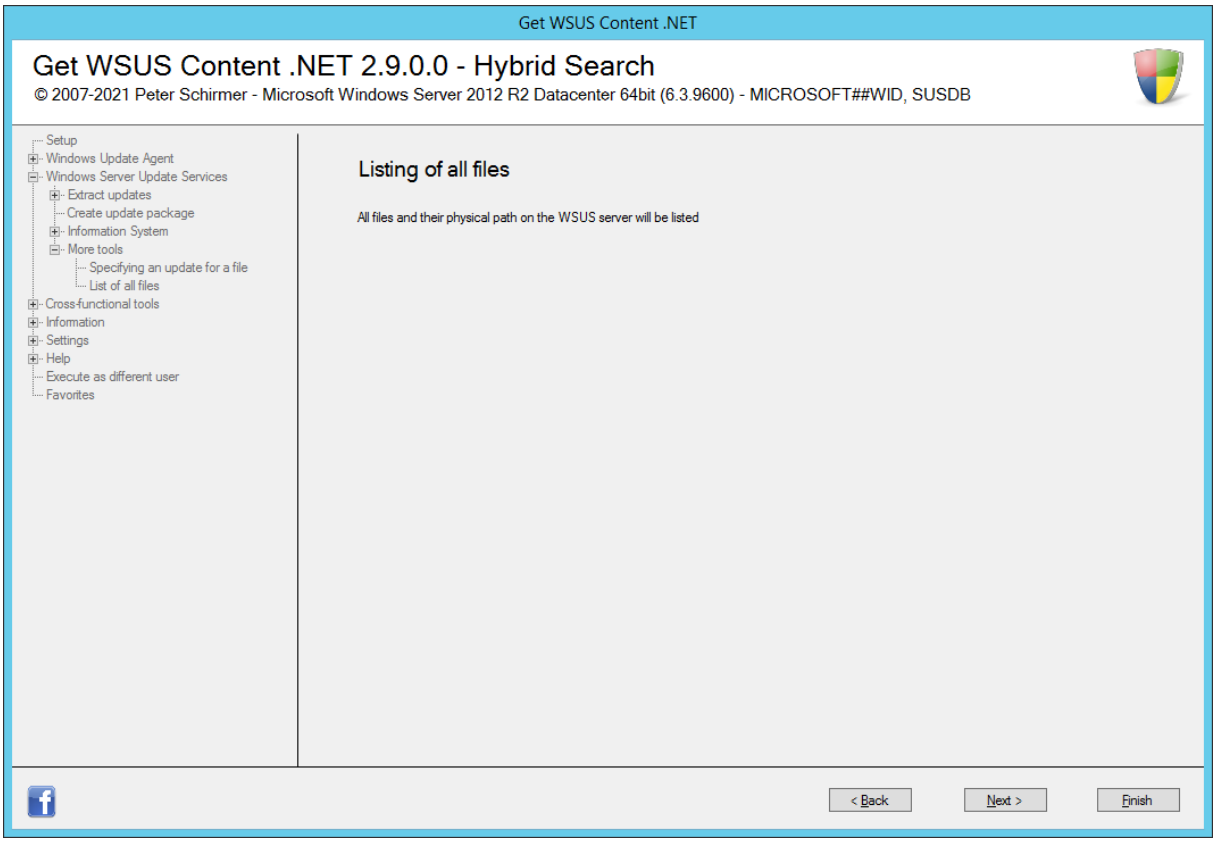
3.2.2.5 More tools

3.2.2.6 Specifying an update for a file

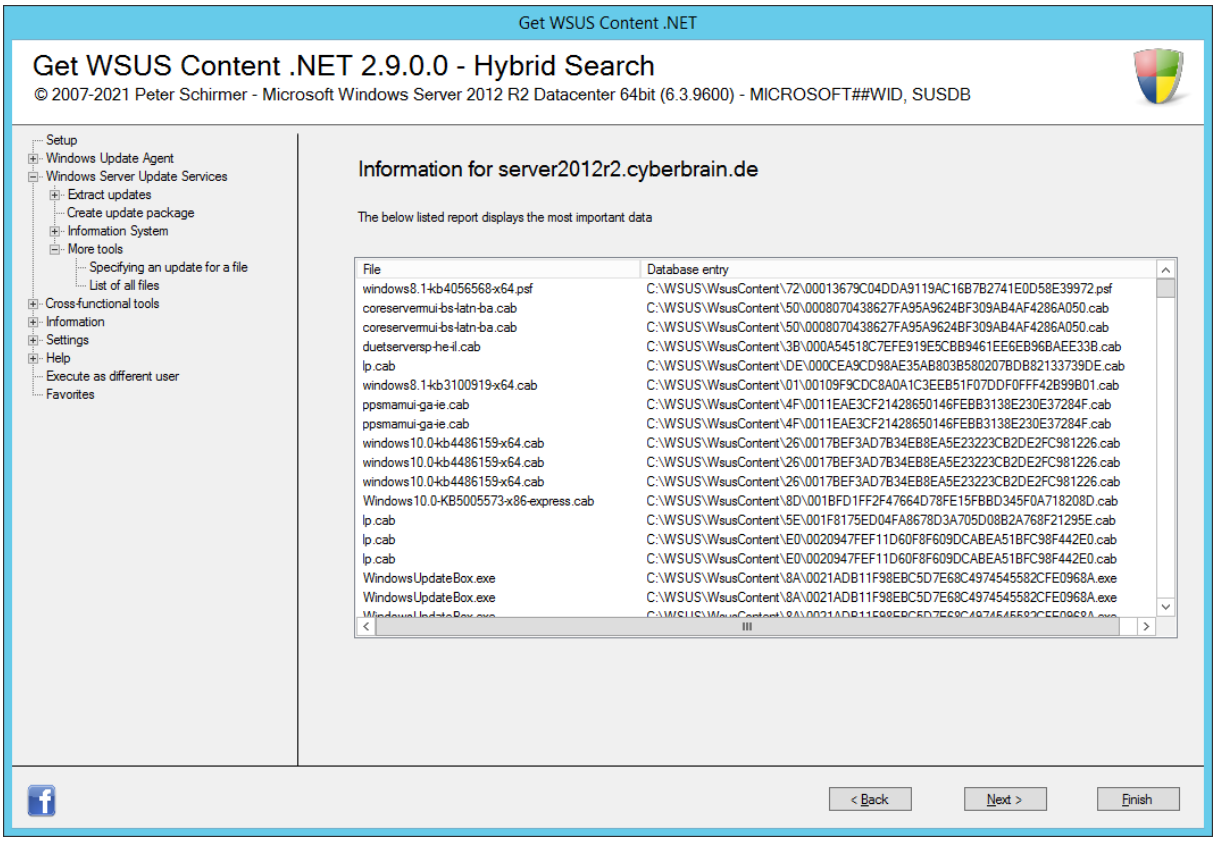


Determination of the file name

3.2.2.7 List of all files



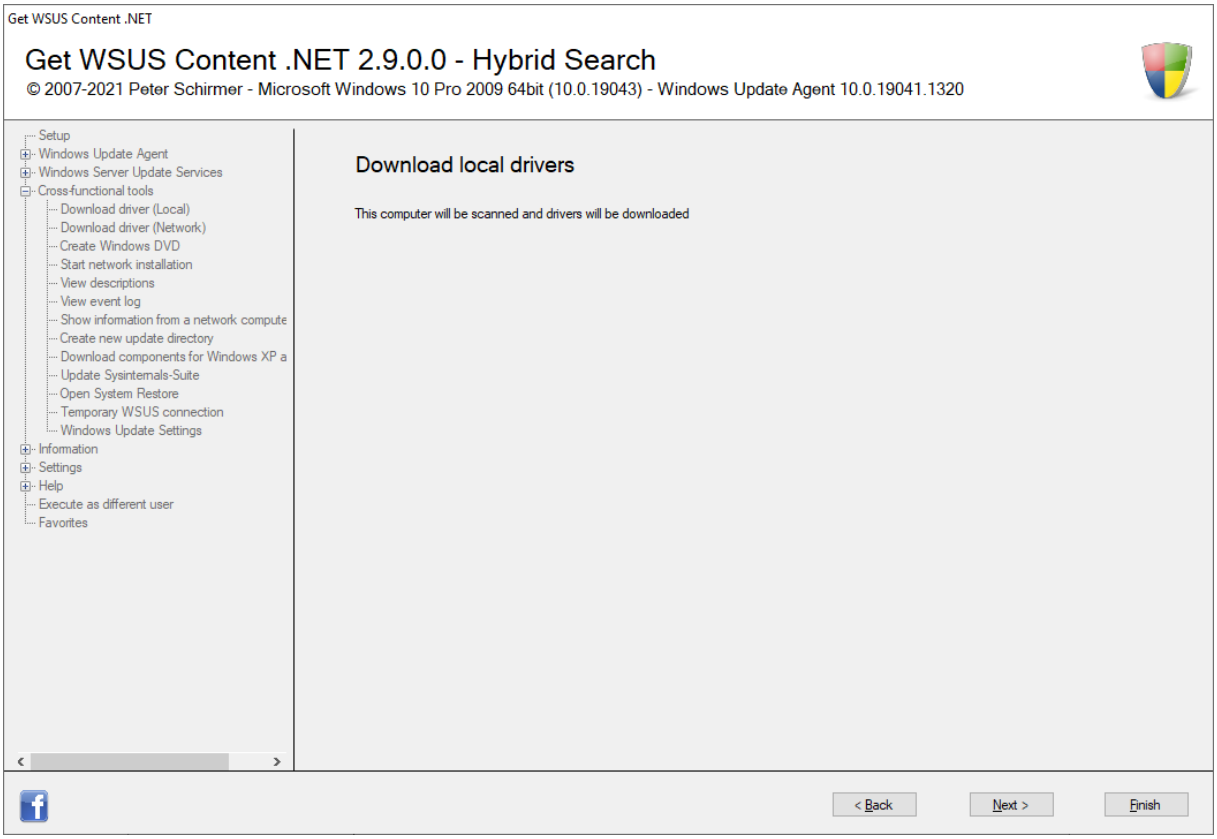
Initial screen



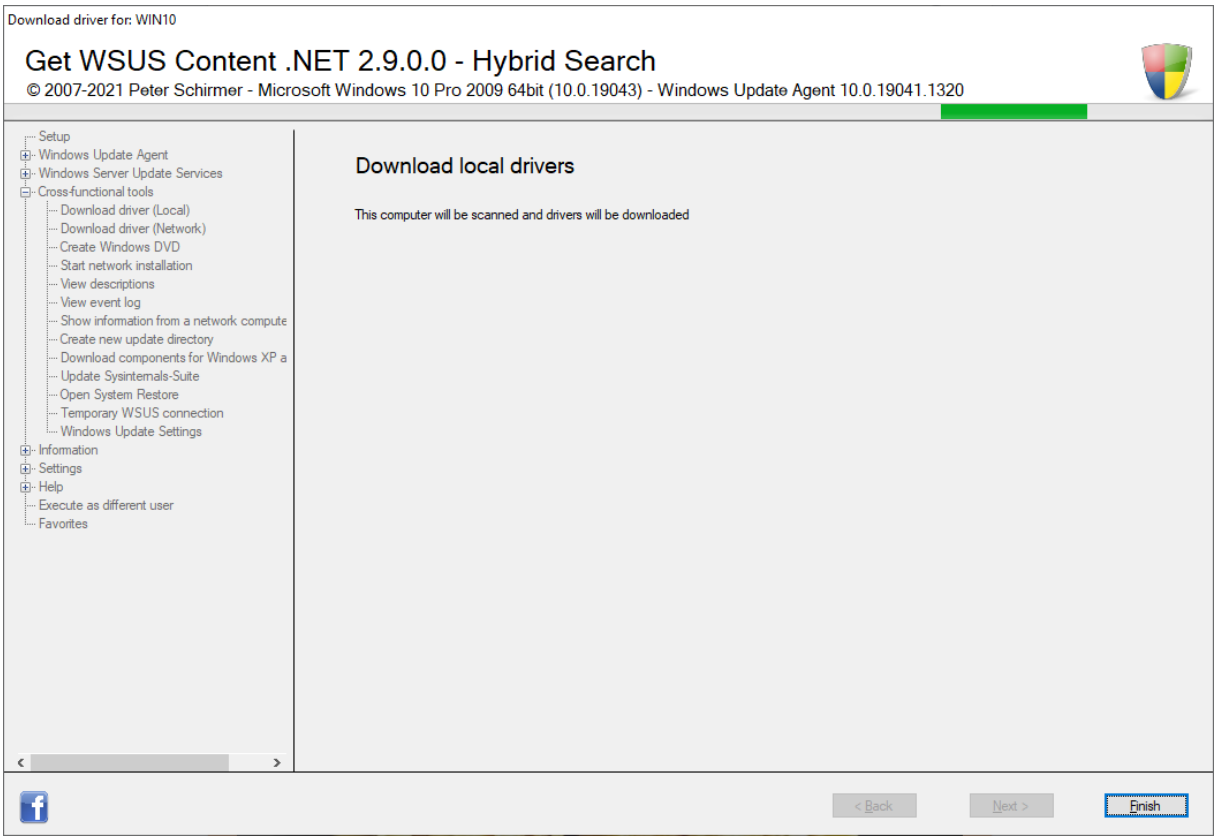
Listing of the files with the original file names incl. path details

3.2.3 Cross-functional tools

3.2.3.1Download Driver (Local)

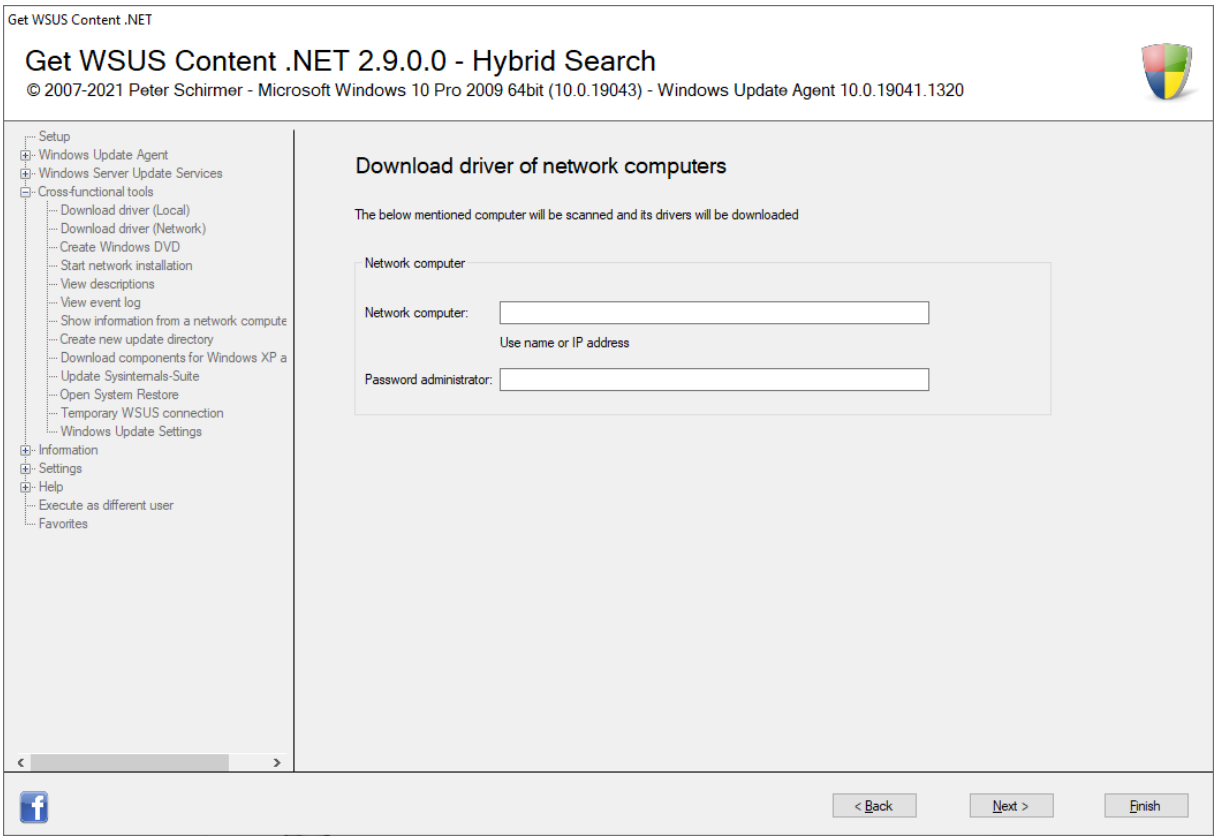


Initial screen



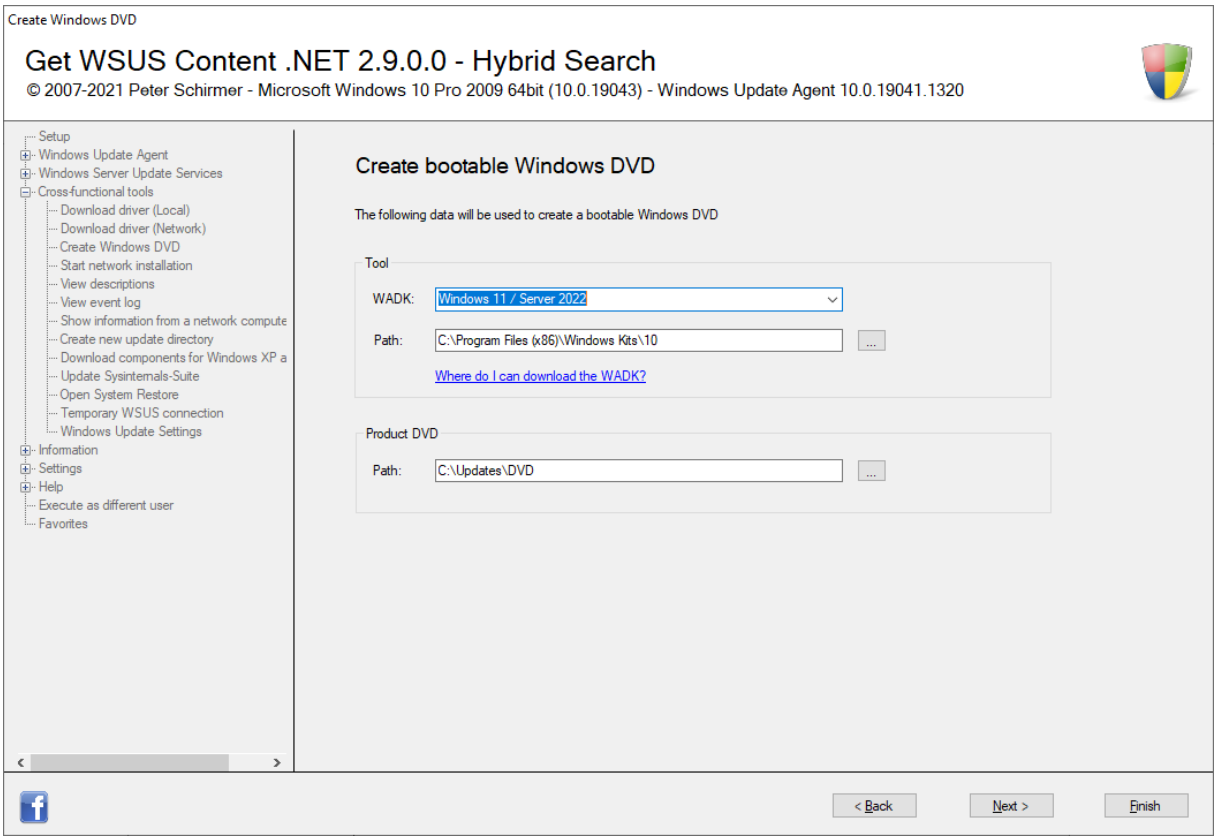
Download the drivers

3.2.3.2 Download Driver (Network)



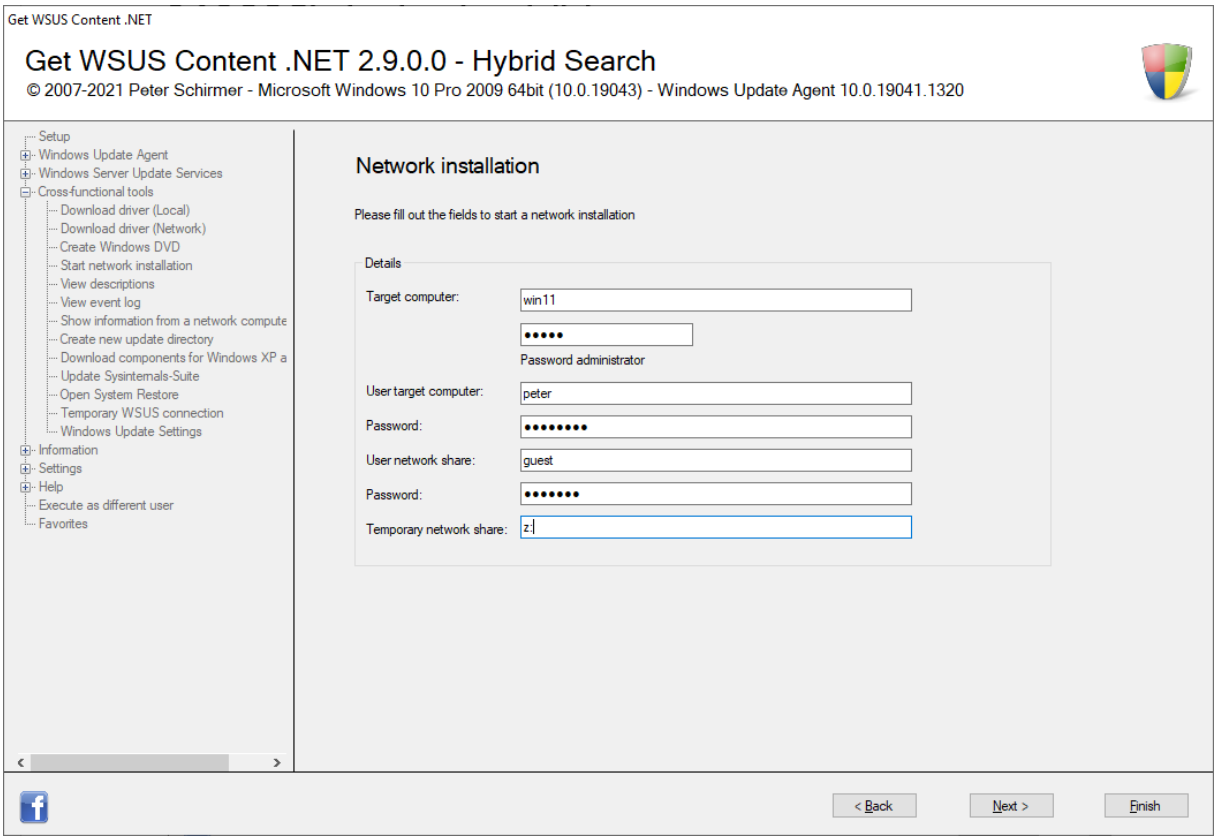
Specification of the network computer and administrator password

3.2.3.2.1 Create Windows DVD



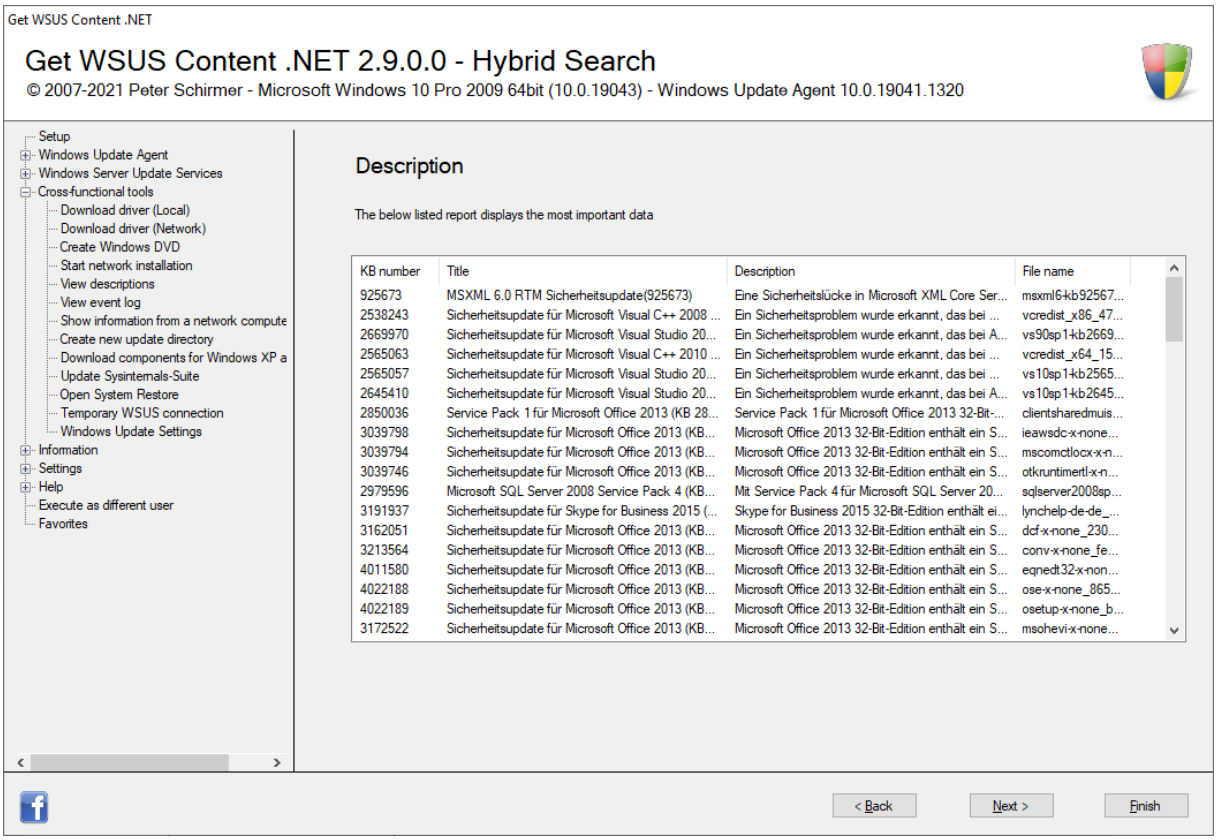
Creation of the medium

3.2.3.2.2 Start network installation



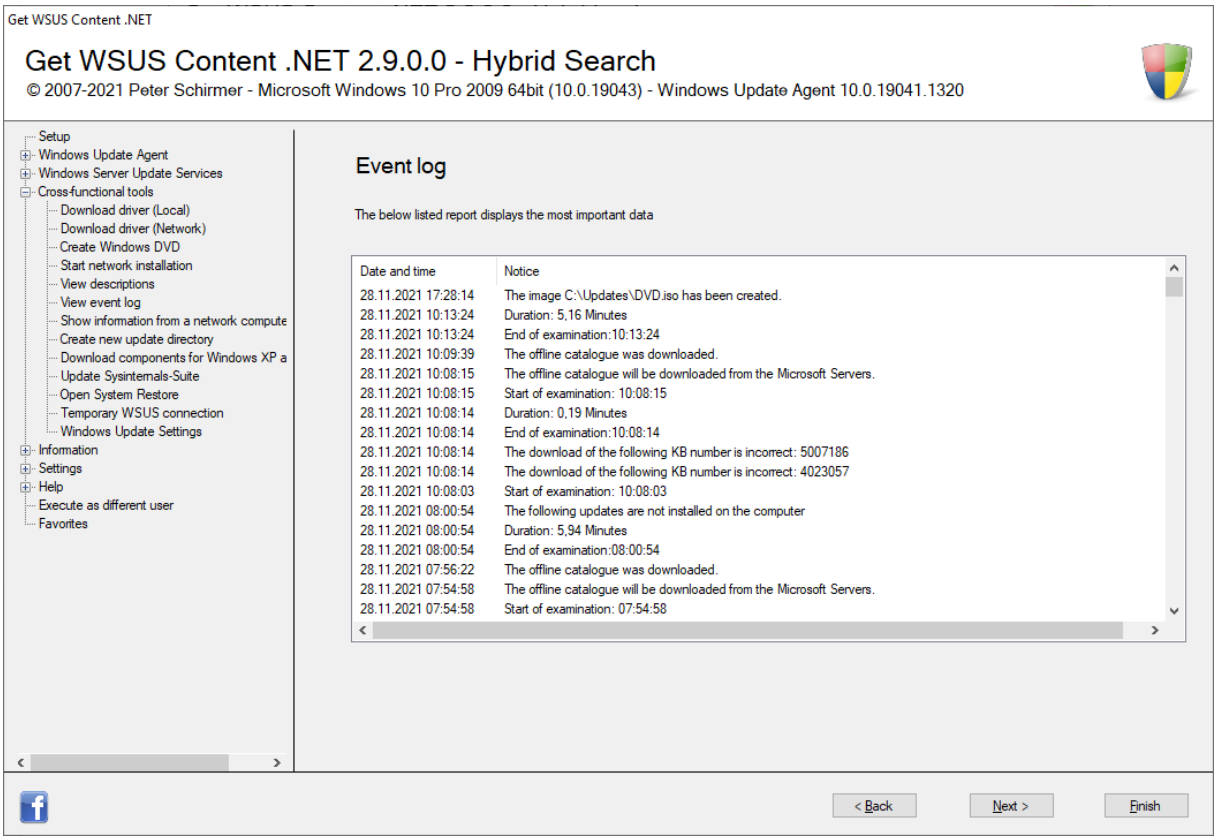
Details for the network installation

3.2.3.2.3 View descriptions



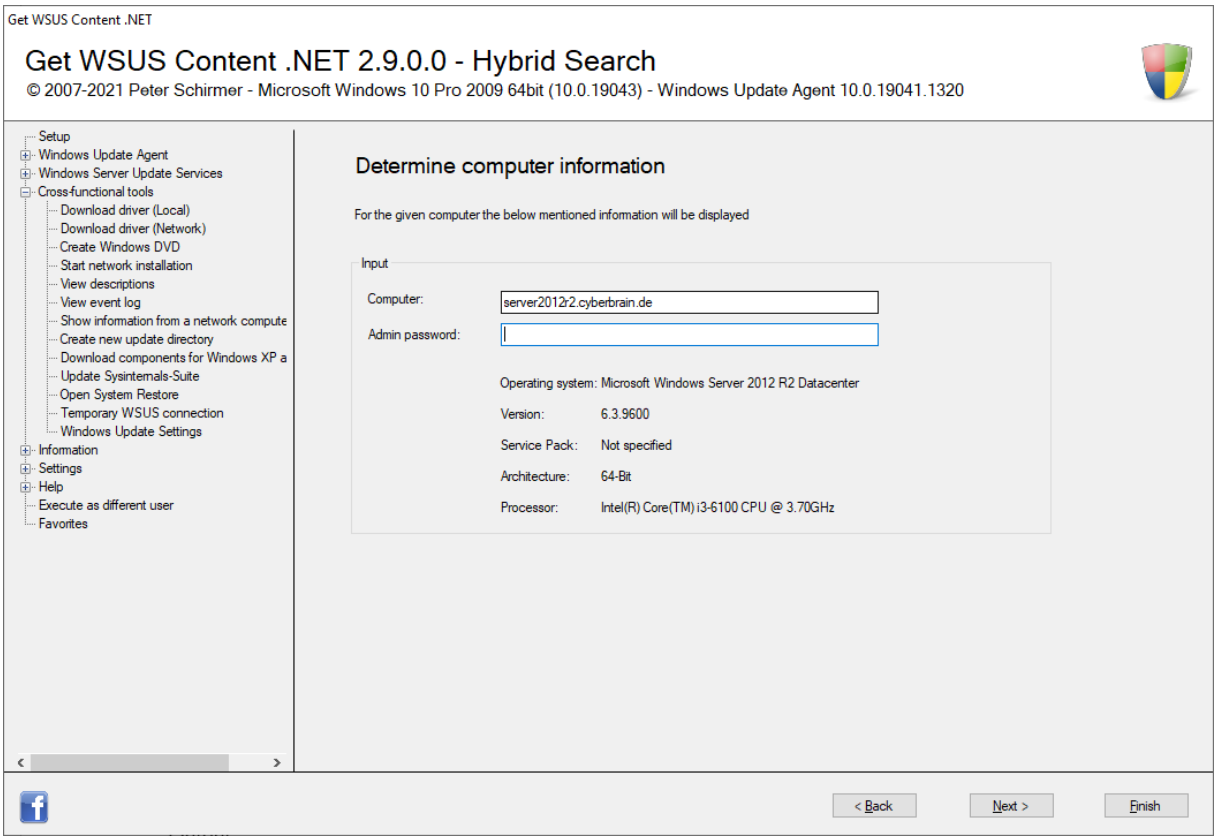
Output

3.2.3.2.4 View event log



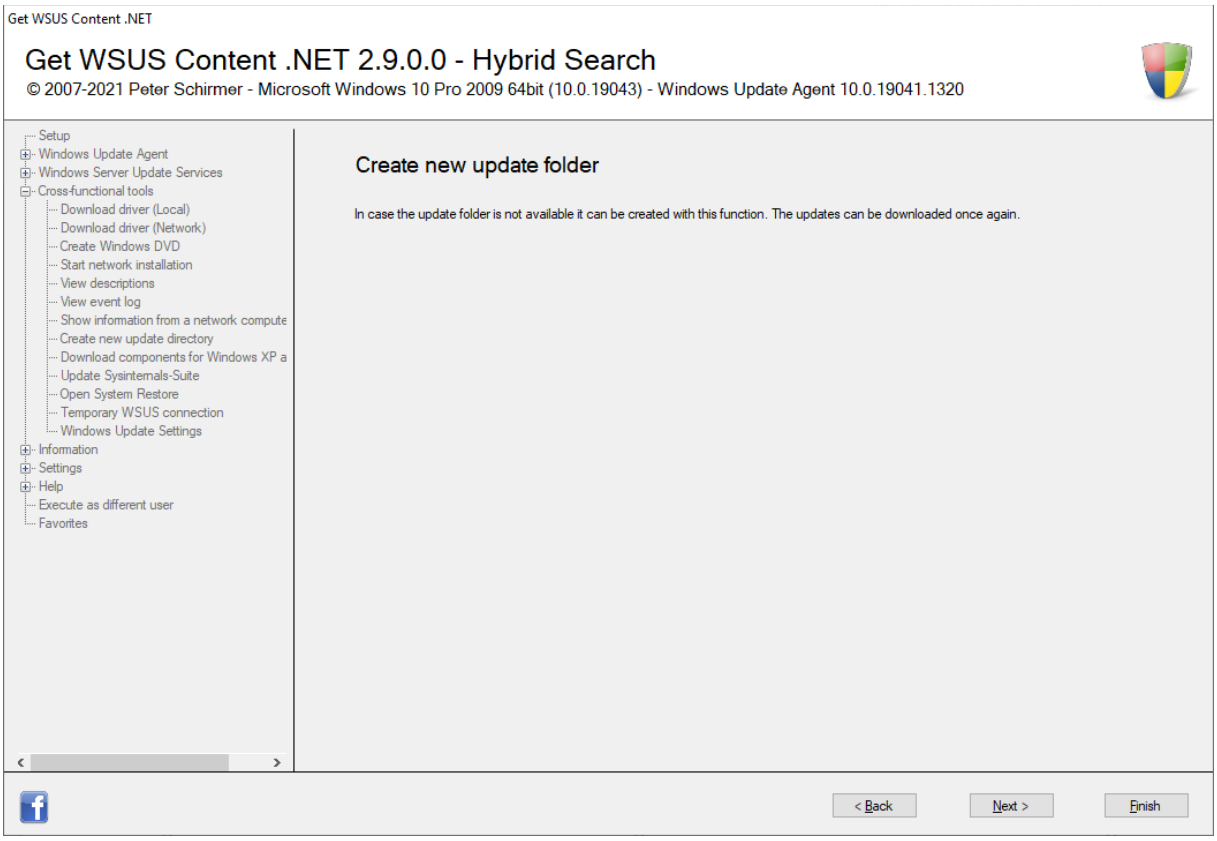
Output

3.2.3.2.5 Show information of a network computer



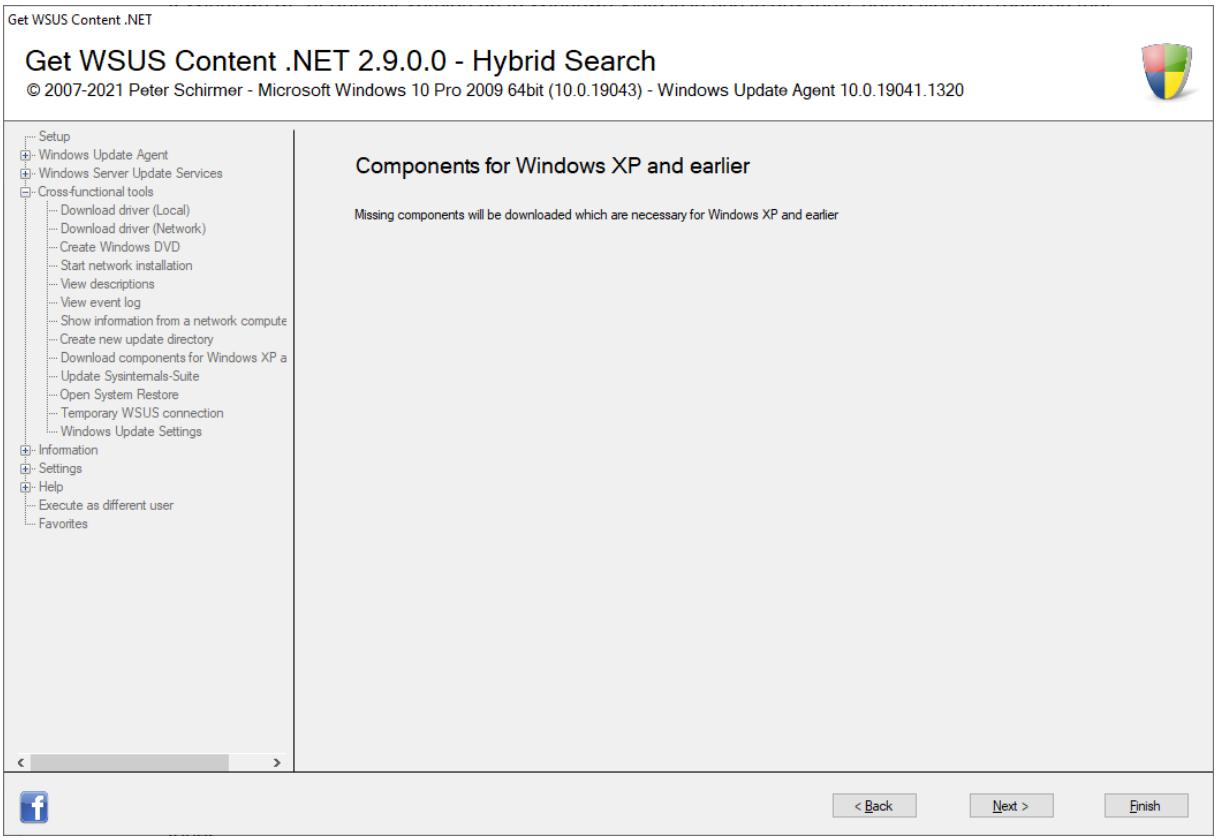
Output

3.2.3.2.6 Create new update directory



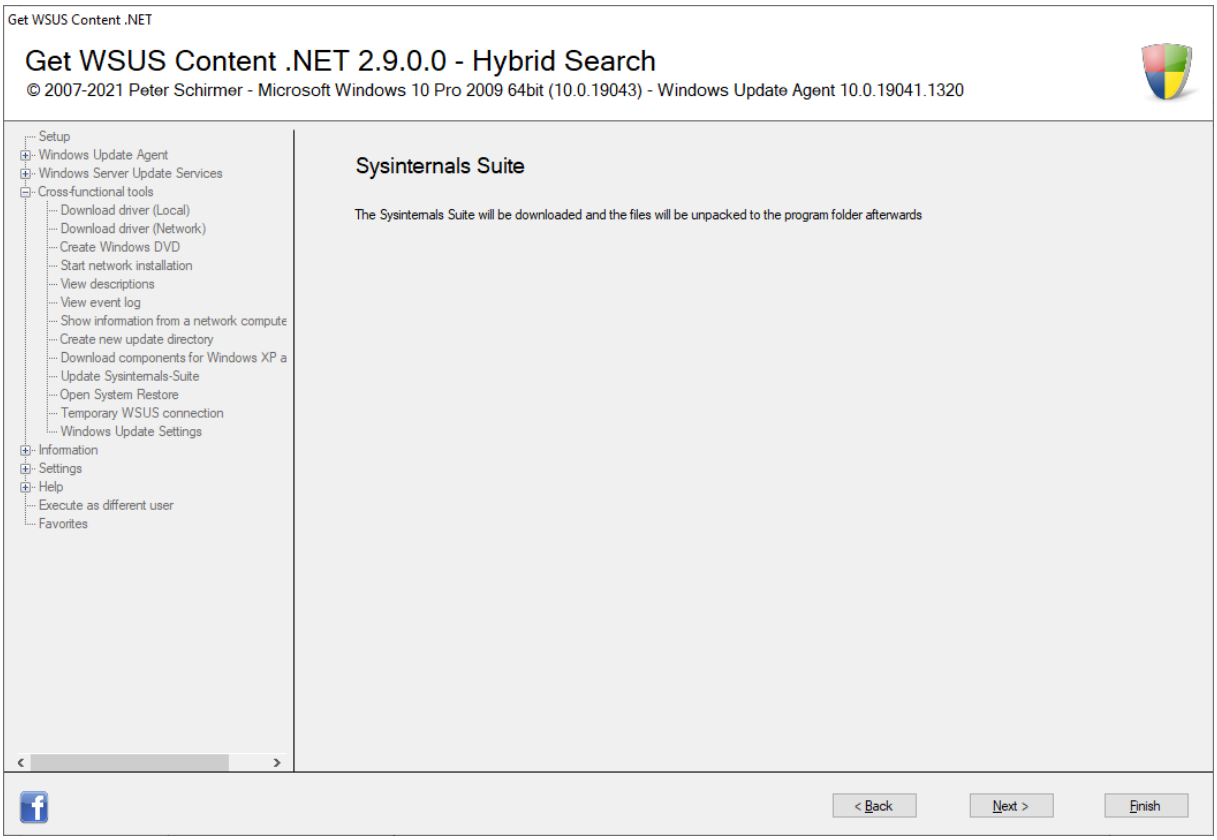
Initial screen

3.2.3.2.7 Download components for Windows XP and earlier



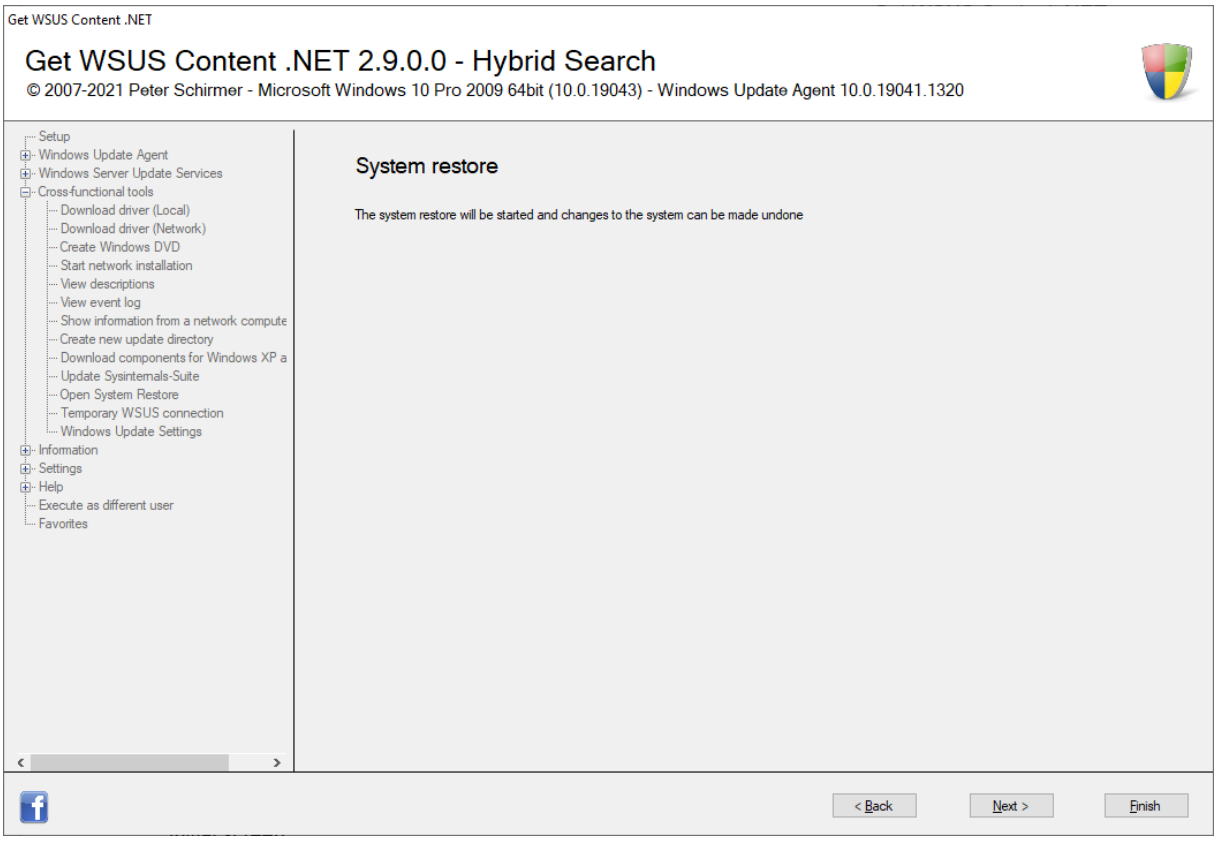
Initial screen

3.2.3.2.8 Update Sysinternals Suite



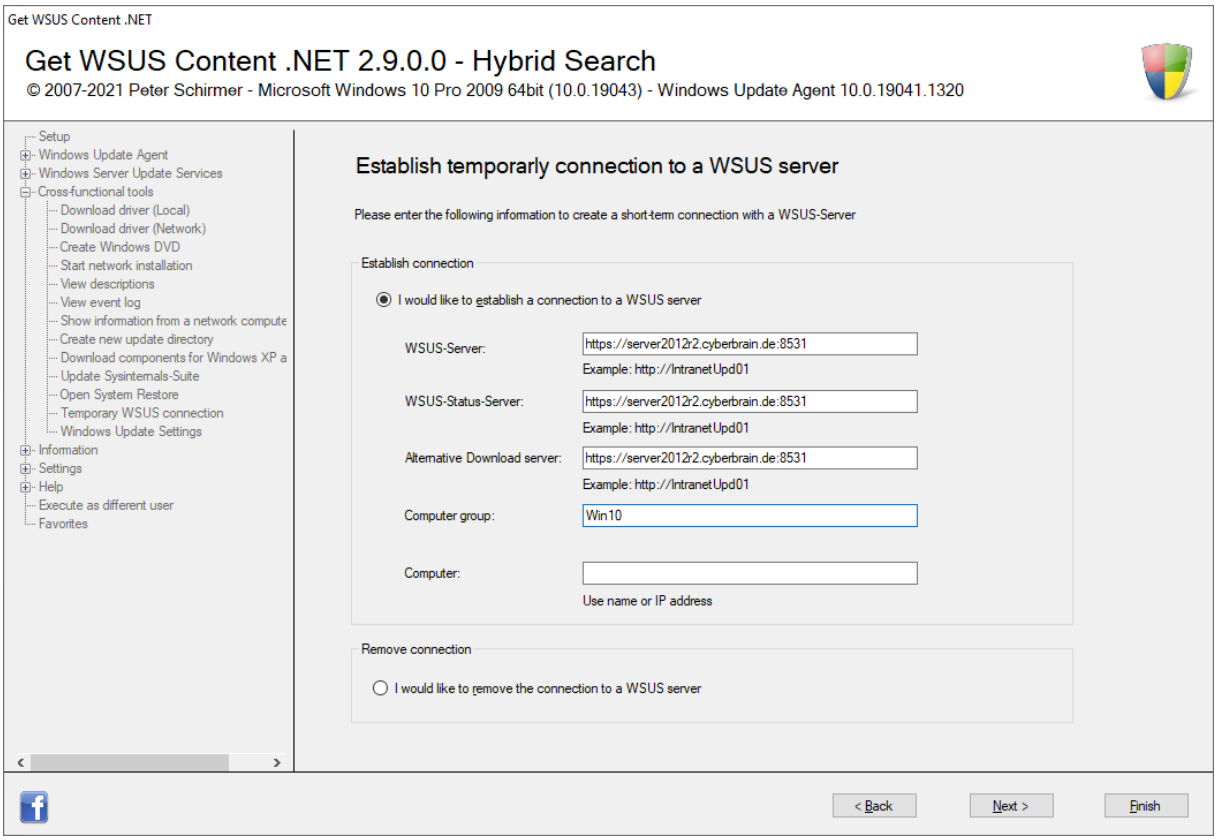
Initial screen

3.2.3.2.9 Open System Restore



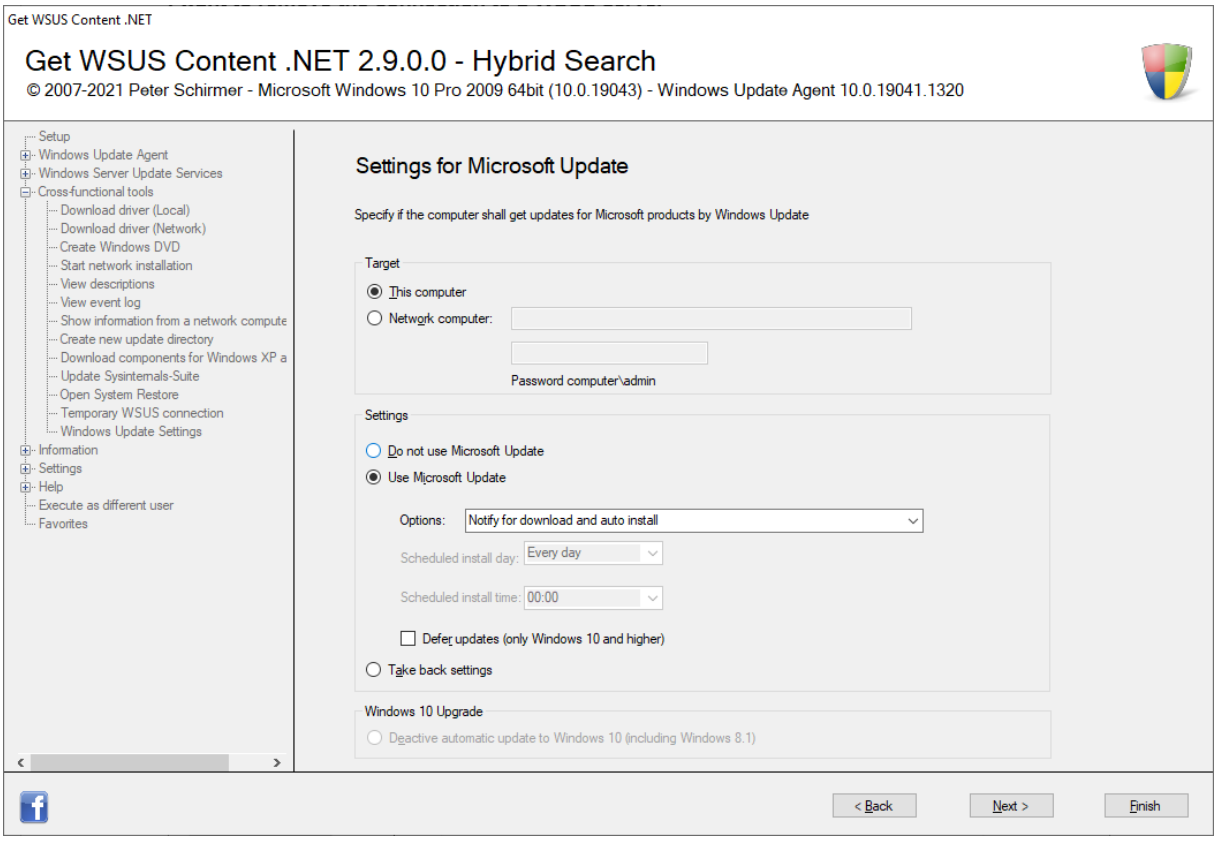
Initial screen

3.2.3.2.10 Temporary WSUS connection



Temporarily connect to a WSUS server

3.2.3.2.11 Windows Update settings



Settings for Microsoft Update

3.2.4 Information

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

3.2.4.1 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.

3.2.4.2 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.

3.2.4.3 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.

3.2.4.4 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.

3.2.4.5 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).

3.2.4.6 Open exclude file

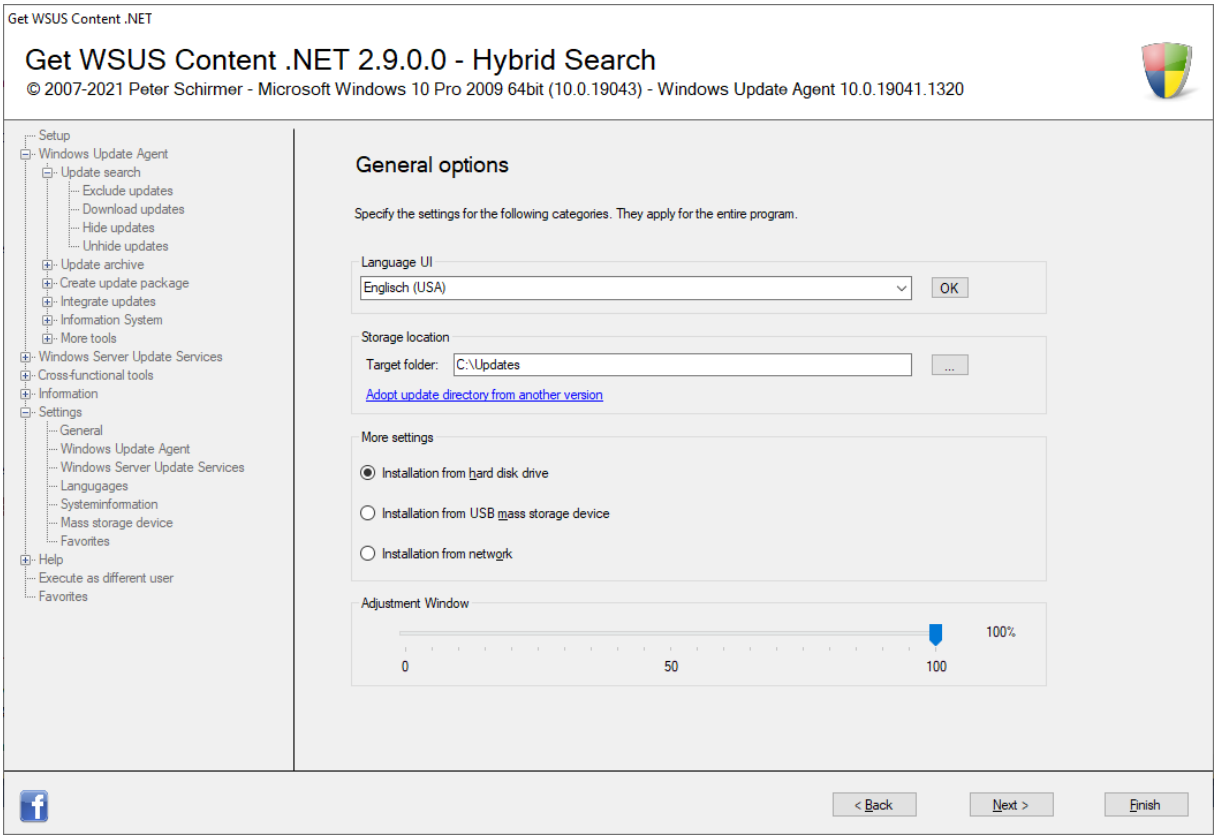
The file "Exclude_KB.txt", which lists all KB numbers that are not to be processed further, is opened with the standard programme.

3.2.4.7 Show Windows Update Agent return values

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

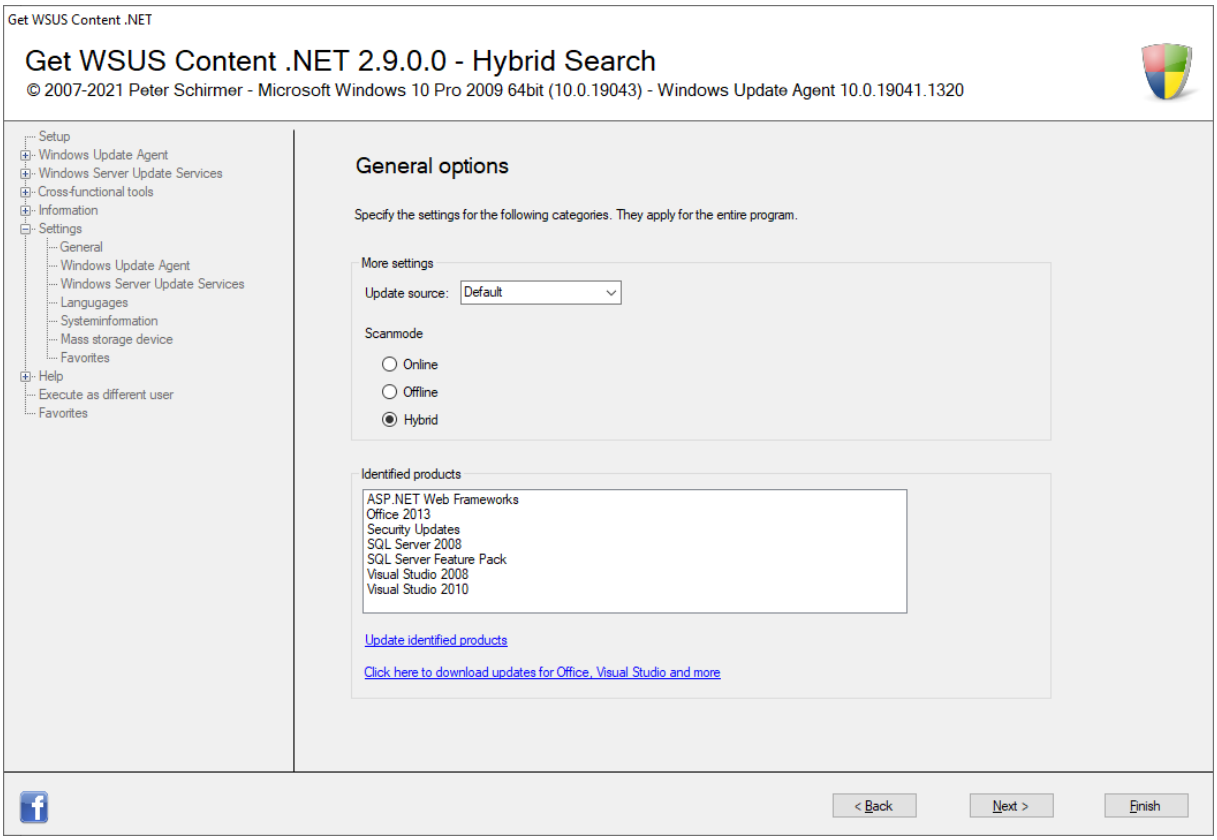
3.3 Settings

3.3.1 General



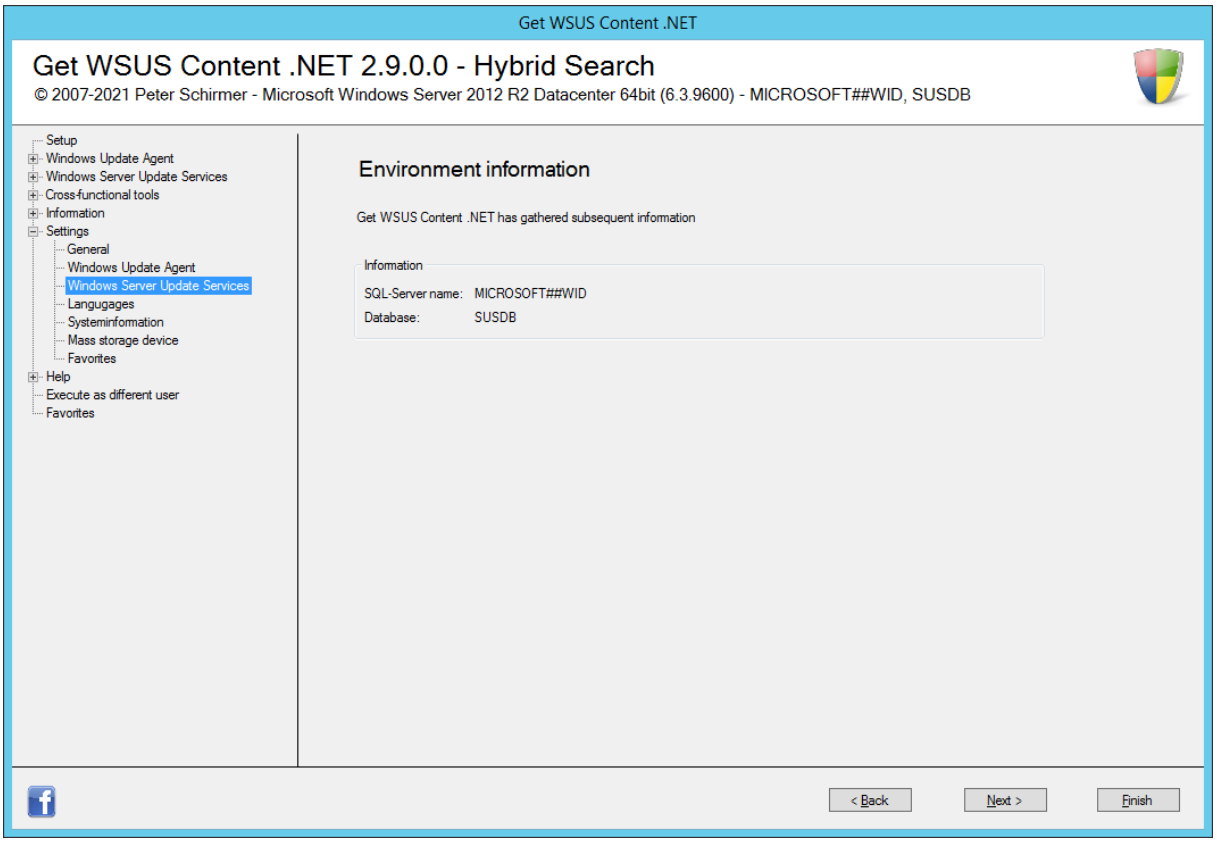
General settings

3.3.1 Windows Update Agent



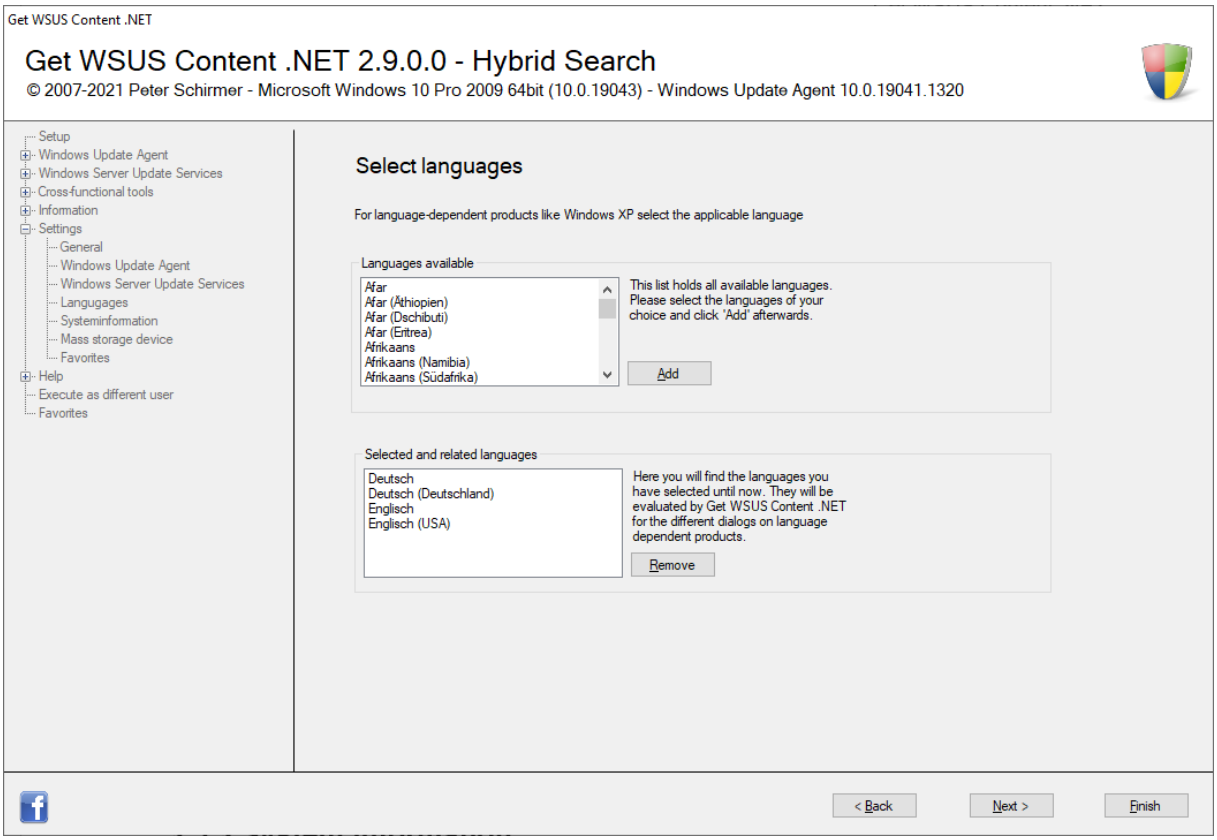
Settings for the update source

3.3.1 Windows Server Update Services



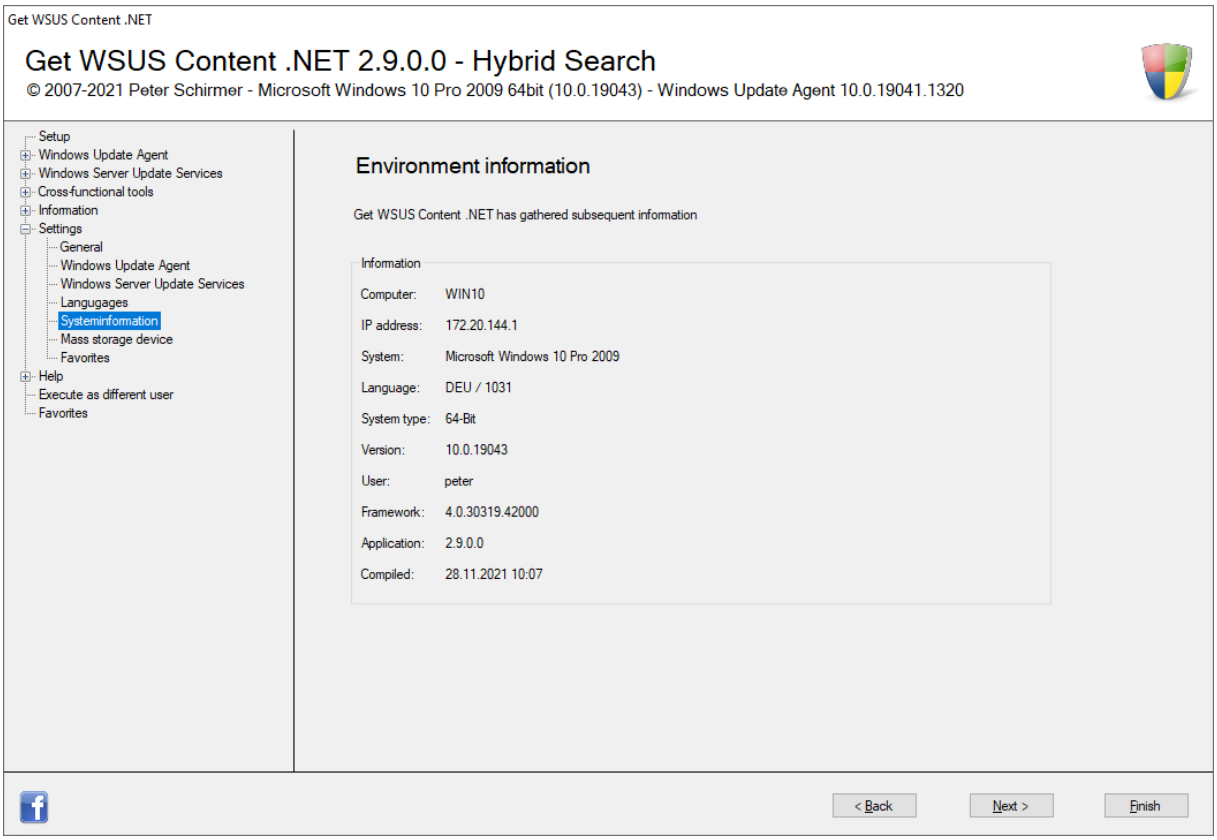
Database information

3.3.2 Languages



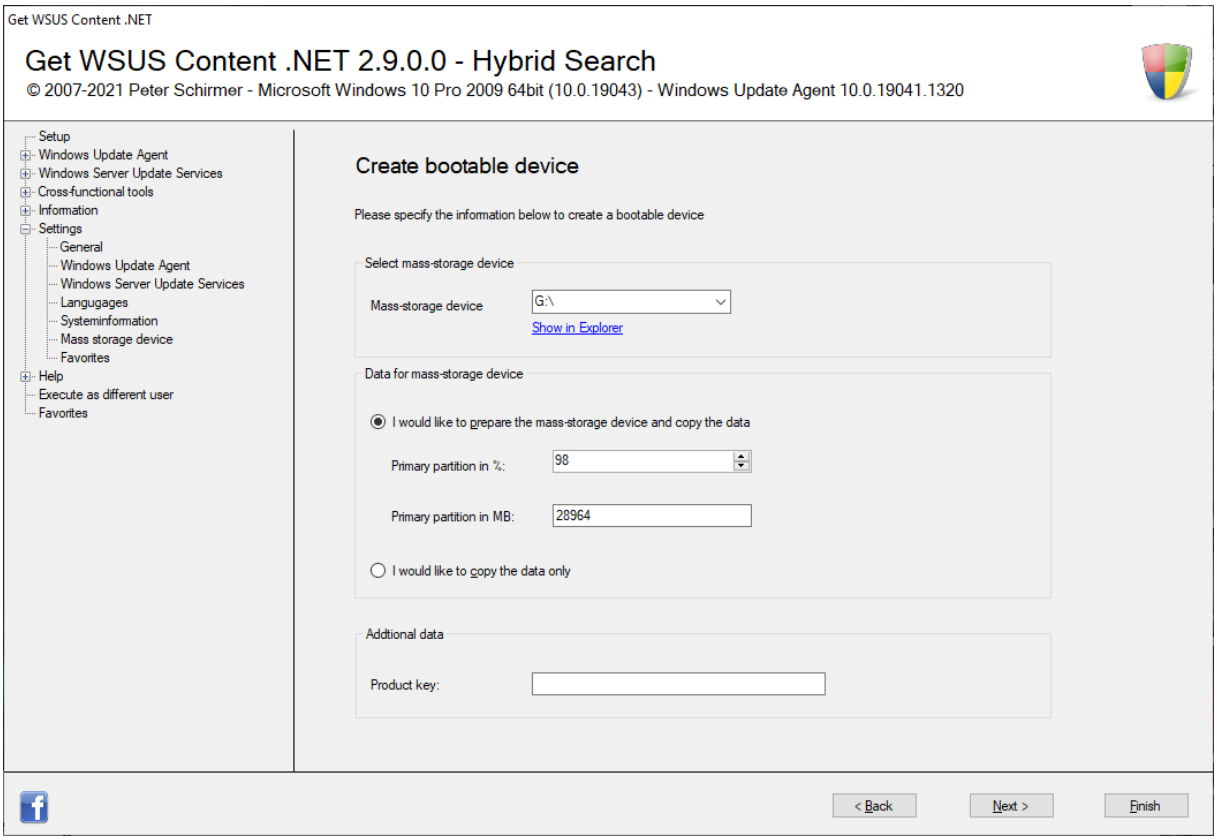
Language settings (up to and including Windows XP)

3.3.3 System information

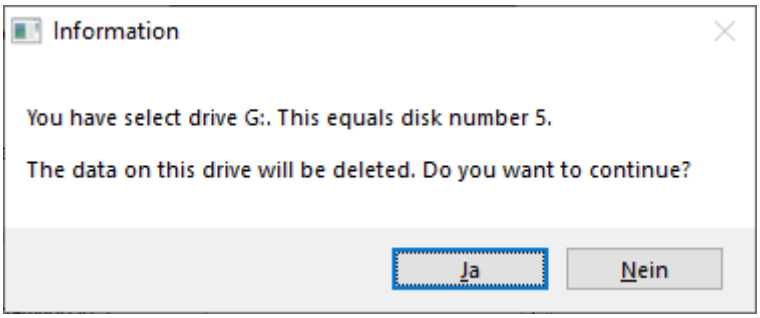


System information

3.3.4 Mass storage device

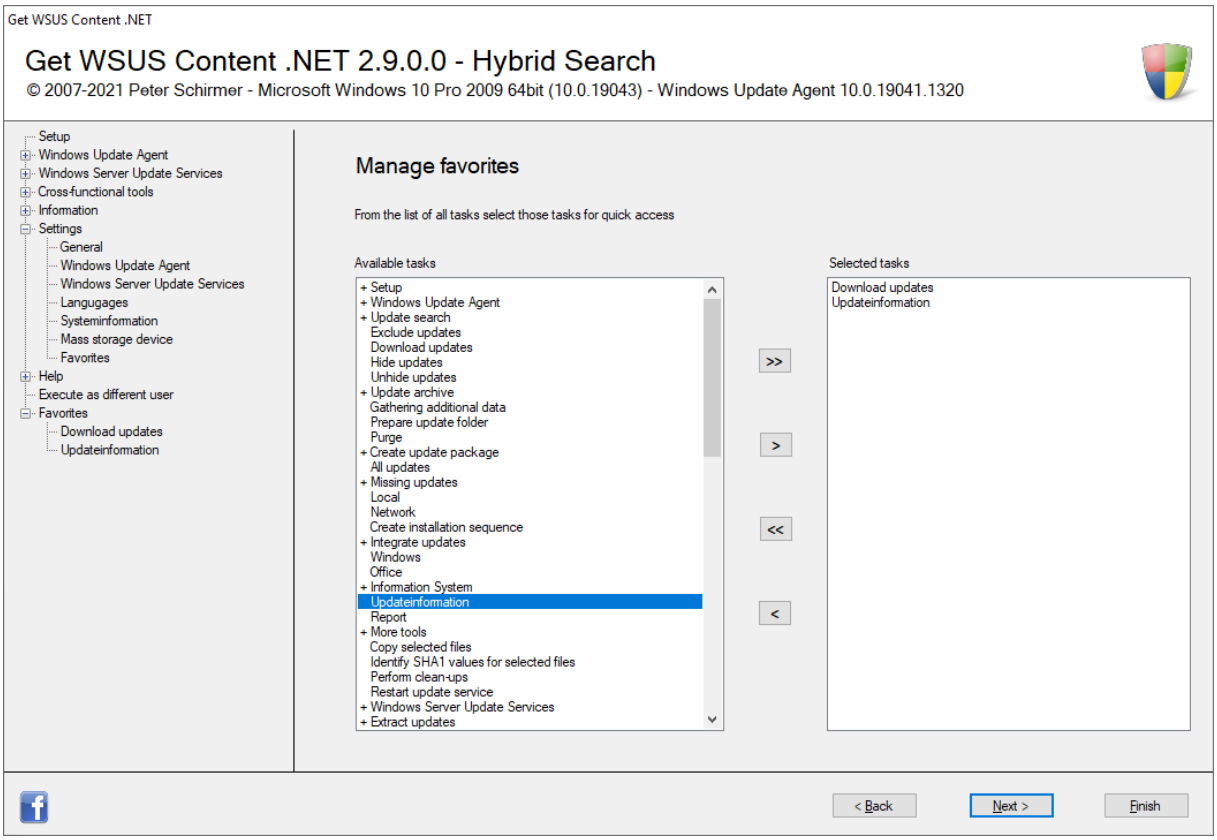


Create bootable USB stick



Note

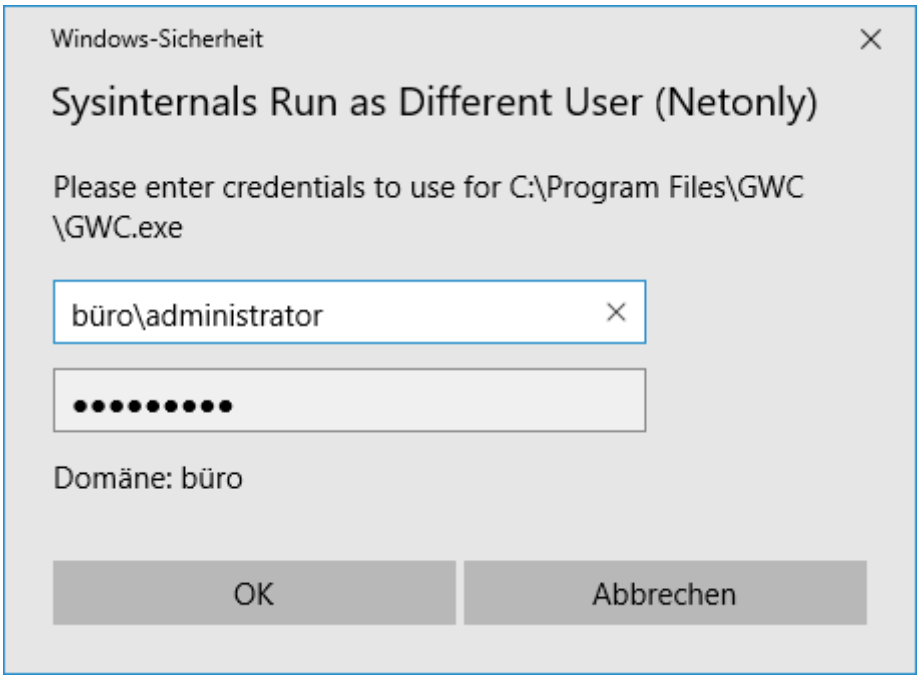
3.4 Favorites



Create favourites

3.5 Help

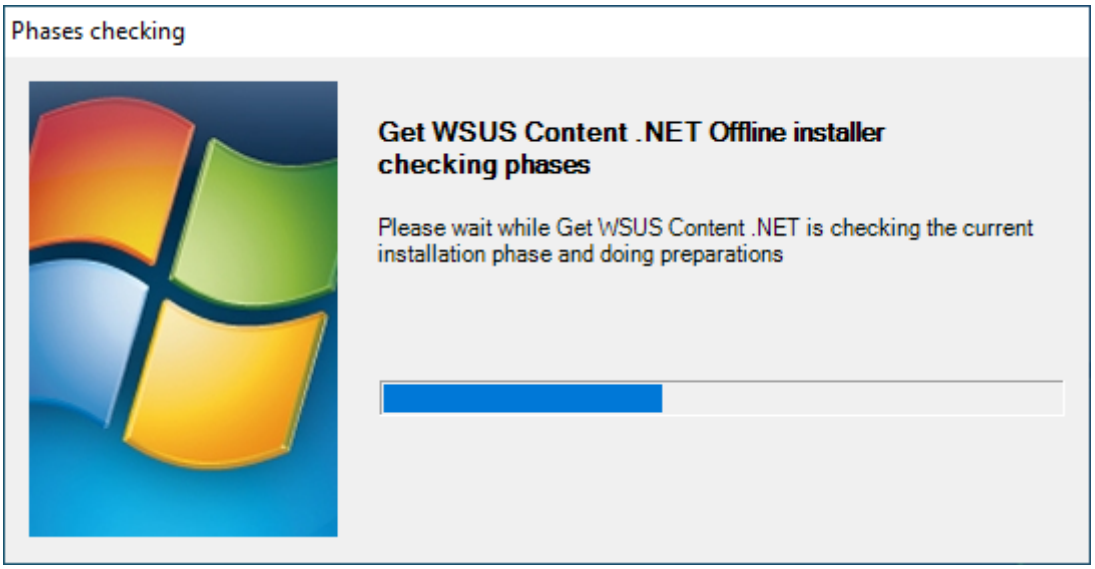
3.6 Execute as different user



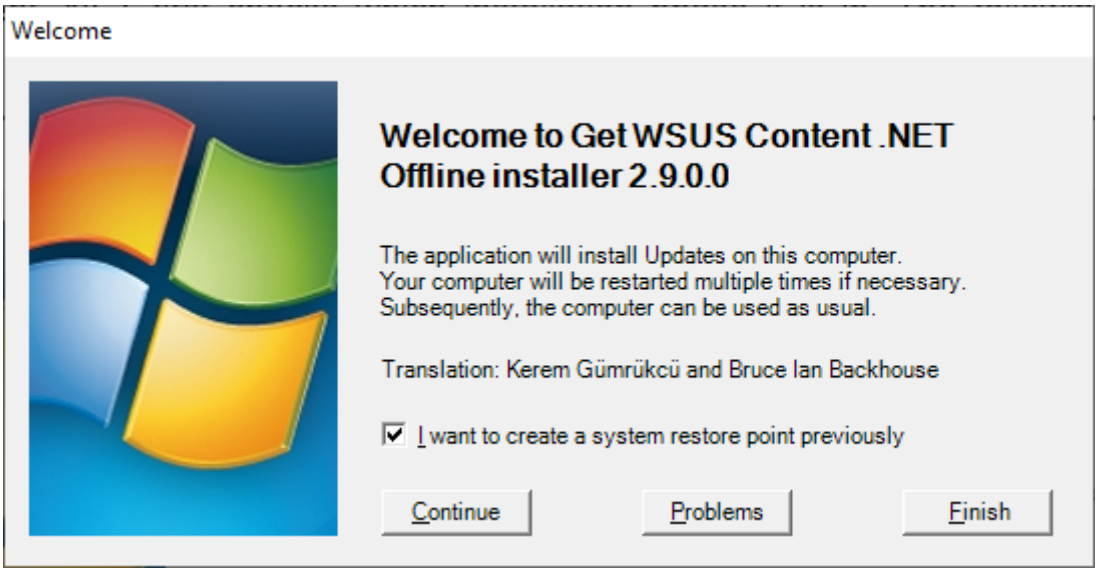
Computer name "Office", user "Administrator" and the password

4. Installing the updates without an internet connection

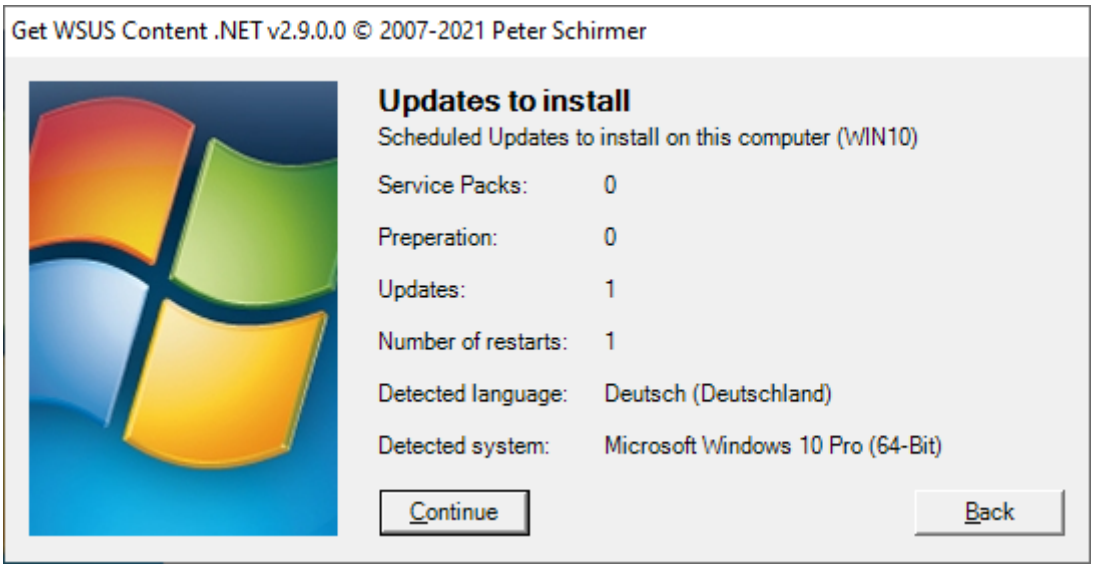
4.1 Interactive mode



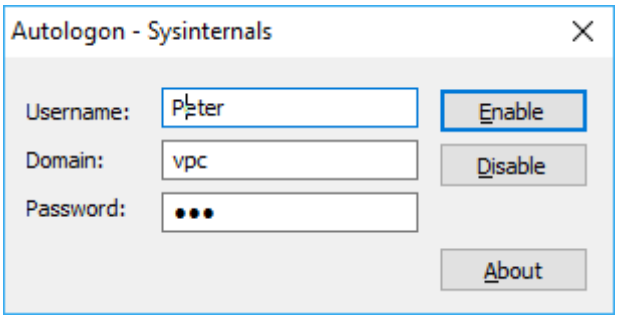
Testing the phases



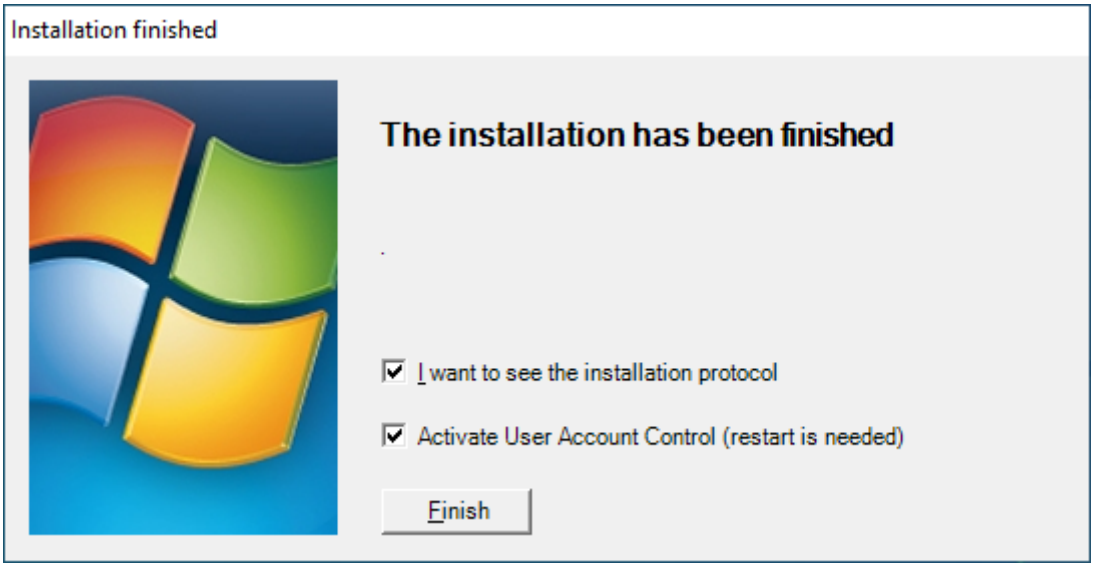
Welcome screen



Overview



Automatic restart



Overview

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&displayLang=de#top
- Microsoft .NET Framework 4
  http://download.microsoft.com/download/9/5/A/95A9616B-7A37-4AF6-BC36-D6EA96C8DAAE/dotNetFx40_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