

Columbus UpdateManagement

User Manual

Product version 7.6

columbus

lssue: 12.18

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Product Description

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0.1 Introduction

Columbus UpdateManagement detects missing updates for software products and installs them in a transparent and reliable manner. The updates are deduplicated as data blocks and are stored in a block store. The clients receive the required updates as individual data blocks instead of complete files. This saves memory capacity on the server and transmission volume for the client.

0.2 Supported products

0.2.1 Microsoft operating systems

Microsoft Windows XP (SP3), Server 2003 (SP2)*,**

Microsoft Windows Vista, Server 2008**

Microsoft Windows 7, Server 2008 R2 or higher

- * Requires an update of the Windows Update Agents (WUA) which can be obtained directly from Microsoft. The job «PrepareWUA» is supplied with the Columbus OS deployment.
- ** The operation of UpdateManagement on these operating systems is assured as «best effort», individual functions (e.g. de-installation) cannot or only partially be guaranteed.

0.2.2 Microsoft applications

All Microsoft products included in the official update catalog of Microsoft.

0.2.3 Third-party applications

The catalog for third-party products is continuously enhanced by brainwaregroup.

0.3 Infrastructure components

0.3.1 Block Store Agent

The Block Store splits files into blocks and stores them deduplicated. Block stores can be mutually synchronized so that Columbus Management Client can obtain the required blocks from different block stores according to their geographical location.

0.3.2 Endpoint Protection Agent

In a Columbus organization, several Endpoint Protection Agents can share tasks and functions:

Task / Function	Master	Slave
Updates management	x	
Groups management	x	
Catalog downloads	x	
Updates download	x	
Consistency check of Block Store	x	x
Synchronization source for other Block Stores	x	x
Synchronization from other Block Stores		x

Important Only one Endpoint Protection Agent can bear the Master role within a Columbus organization.

0.4 Communication

The Columbus components communicate with each other over a SSL-protected tunnel and use the "Columbus Shareless" technology for data transfer, which saves memory capacity and network bandwidth.



0.5 Process

The Endpoint Protection Agent (contains UpdateManagement) downloads the catalogs for update detection and makes them available to the clients in the Block Store.

Columbus Management Client receives the catalogs from its assigned Block Store and executes a scan if the time frame allows for it (see «Client configuration»). The results are reported back to the Columbus infrastructure.

The Columbus Management Client downloads the updates that have been released for installation (see «Updates management») from his assigned Block Store.

Depending on the configuration made by the administrator, the users are involved in the decision regarding the moment of installation before updates are installed. After installing the updates, the Columbus Management Client executes again a scan and reports the results back to the Columbus infrastructure.

Note All processes take place in the background, the user is not disturbed on his daily work. Depending on the configuration, they are queried by the administrator prior to installation or system restart.

Setup

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1.1 Delegate, activate and assign

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the delegation with «Assign» in the ribbon menu:

• Select the company to which the agent belongs as for the user rights.

In the «Infrastructure» overview, select the «Endpoint Protection» agent and activate the agent with «Activate» in the ribbon menu.

Assign the agent to the "organisations" tree structure by drag&drop in order for the updates and groups to be available for all Columbus Management Client.

ImportantThe UpdateManagement Agent can only be assigned by drag&drop if it was defined as Master
and has a Block Store assigned.

1.2 Settings

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the configuration with «Configure» in the ribbon menu.

1.2.1 General

Endp	ooint Protection Age	ent
eneral Downloads	point Protection guration settings for End	dpoint Protection
Content location		
Block Store :	srv-demo	~
Port :	20006	
Sync data and approvals from:		v
		Cancer

Parameter	Explanation
Block Store & Port	Block Store used by the Endpoint Protection Agent to store catalogs and updates. Default port: 20006
Master / Sync from	Define as Master or set as synchronization source.

1.2.2 Downloads

Get	updates online	🔲 Use proxy	server (Defined on base ag	gent) T	est
C Liet	updates offline				
Sp	ecity the offline lo	cation to get update c	ontent		
c					
зp	eciry a user accol ⇔∆ccess Parame	int when using a netw ters (net access)	ork shared resource		
	Domain:	(010 (110) 000000)			
	Liser:				
	Password				
	1 03399010.				

Parameter	Explanation
Online	The catalogs and the updates that have been released for use are ob- tained through internet connection.
Offline	The catalogs and updates are obtained from a storage location through file access. This enables the operation of Columbus UpdateManage- ment in protected network environments.
An additional applicatio	n is required on a computer in the DMZ for offline operation.

Important

1.3 Replication on a Site Server

If additional *Block Stores* are used, the relevant *Endpoint Protection* Agent can carry out the updates replication by the Master.

In the «Infrastructure» overview, select the *Endpoint Protection Agent* of a Site Server and display the delegation with «Assign» in the ribbon menu:

• Select the company to which the Agent belongs as for the user rights.

In the «Infrastructure» overview, select the «Endpoint Protection» agent and activate the agent with «Activate» in the ribbon menu.

Important	The UpdateManagement Agent is not assigned to the tree structure by drag&drop. This is for
	the Master only.

1.4 Settings

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the configuration with «Configure» in the ribbon menu.

1.4.1 General

Preter location Block Store: Prot: 20006 Content management This is a master agent Sync data and approvals from: arv-v-c0010	End Confi	Ipoint Protection guration settings for Endpoint Protection
Content location Block Store : Port : Content management Tris is a master agent Sync data and approvals from: enverve0010	eral Downloads	
Block Store : srvv-be002 Pot : 20006 Content management This is a master agent. Sync data and approvals from: srvv-b010	Content location	
Pot : 20006 Content management Or this is a master agent Sync data and approvals from:	Block Store :	srv-v-be002 ~
Content management This is a master agent Sync data and approvals from:	Port :	20006
	 This is a master agent Sync data and approvals from: 	svvvcl010 v

Parameter	Explanation
Block Store & Port	Block Store used by the Endpoint Protection Agent to store catalogs and updates. Default port: 20006
Master / Sync from	Select the Master Agent used as source for synchronization.

1.5 Download / Syncronize

In the "Infrastructure" overview, select the «Endpoint Protection» agent and start planning an action with «Download Updates» in the ribbon menu.

Schedule managed updates
Schedule managed updates Specify when to download managed updates. The following action(s) <manageupdates> will be scheduled for 1 object(s)</manageupdates>
Process now Schedule processing 20.04.2017 20.00
Check MetaData ♥ Repeat action Interval 1 Day(s) Send E-Mail On Error
OK Close

Parameter	Explanation
Check MetaData	The data on the Block Store are checked, the blocks without reference are removed.
Send e-mail	Level from which a message shall be sent.

Configuration

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, 195181 energie een Service	

2.1 Create client configuration

Call up the configuration for Columbus Management Client in the ribbon menu "Devices" with «Client Templates». On the left, existing configurations can be managed or new ones can be created.

2.2 Configure UpdateManagement

Call up the configuration for Columbus Management Client in the ribbon menu "Devices" with «Client Templates». Display the settings on the "UpdateManagement" tab:

Client configuration templates
Helpdesk Patch scanning Data backup Update Management Inventory Common
Update management options
- Template settings Not configured Default General- General- Set Embedded scan & install
Group membership
Approved automatically (Member of this group install updates automatically) \checkmark
Scan settings Random delay: 0 🐑 minutes Interval: daily 🗸 Time range Set
Download settings Random delay: 0 (2) minutes Time range Set
Install settings
Random delay: 0 🖨 minutes 🛛 Ask user
Time range Set Default action: Allow
✓ Force apps to close Max deny count: 3 ✓ System restore points
Save gurrent Save al Close

Parameter	Explanation
Template settings	Select whether not to configure, use default configuration or enter cus- tom settings.
Embedded scan & in- stall	Switch ON or OFF the UpdateManagement function integrated in Co- lumbus Management Client.

Group membership	Enter an update group to be used as reference for available updates (see "Manage update groups").
Scan settings	
Random delay	Setting a random delay when a time frame is reached before an action is started (as load distribution, e.g. on virtualized systems).
Interval	Frequency at which an update scan shall be executed.
Time range	Configurable time frame (blue) during which the action can be exe- cuted.
Ask user	Configuration whether the user shall be prompted before an update in- stallation or a system restart, what is the default action and how often can the user delay it.
System restore points	Before updates are installed, Windows system restore points can be set.

2.3 Configuring Shareless (Block Store)

The block store assigned to the tree structure (see "Site Management" -> "Infrastructure") can be overridden using the client configuration. We recommend the use of DNS Alias to allow for a short communication path for the clients according to the network.



2.3.1 Save current or Save all

When the "Save current" menu item is used, only the configurations of the currently opened tab are saved in the database. When "Save all" is used, all tabs are saved.

2.4 Assign client configuration

Call up the configuration for Columbus Management Client in the ribbon menu "Devices" with «Client Templates». The configurations listed on the left can be assigned to an organization tree structure node by drag & drop.

Using

In this chapter

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3.1 Obtaining catalogs, updates and synchronization of a block store.

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the schedule with «Download Updates» in the ribbon menu:

Schedule managed updates
Schedule managed updates Specify when to download managed updates.
The following action(s) <manageupdates> will be scheduled for 1 object(s)</manageupdates>
Process now Schedule processing 13.03.2017 C2.00
Check MetaData V Repeat action Interval Day(s) V Send E-Mail On Info
OK Close

Parameter	Explanation
Process now	Catalogs and updates that have been released for use are received once (online, offline or as synchronization).
Schedule	Schedule catalogs and updates that have been released for use as a daily action (online, offline or as synchronization).
Check MetaData	Inspecting the consistency of the custom block store.

ImportantThe same action is used for downloading catalogs and updates from the Internet and for syn-
chronizing data from a block store.

3.2 Managing updates on the complete system

∋ ai >							- 47	Cumulative Update for Windows 10 Version 1511 (KB3210721)
valiable since:	Approval	Vendor	Product A	Category	Severity	Available since		
ilter by available since date 🗸 🗸	Download	_	Thursdaublad	~	~	Last approval change		A security issue has been identified in a Microsoft software product that could
everity:			Thunderbird Thunderbird 45.5.1 English	4	0	13.03.2017 14:11:19 Unknown	^	affect your system. You can help protect your system by installing this update from Microsoft. For a complete listing of the issues that are included in this
initical.Important,Low,Moderate,Unknowr v			Thunderbird Thunderbird 45.6.0 English	5	Ó	13.03.2017 14:11:19 Excluded		update, see the associated Microsoft Knowledge Base afficie. After you rista this update, you may have to restart your system.
ategory:			Thunderbird	1	D'	13.03.2017 14:11:19		
ownload:			Thunderbird 45.7.1 English Visual Studio 2008	- X	~ ×	Approved 13.03.2017 14:14:37		Tefermetien
Complete,Error,In progress,Unknown			Security Update for Microsoft Visual C++ 2008 Service Pack 1		Ŷ	Unknown		Information
pproval:			Visual Studio 2010 Security Update for Microsoft Visual C++ 2010 Service Pack 1	G	0	13.03.2017 14:14:37 Unknown		
pproved,Excluded,Unknown			Visual Studio 2010 Security Lindate for Microsoft Visual Studio 2010 Service Park 1	C1	Ø	13.03.2017 14:14:37		
roduct: Tune have to filter he readent			Windows 10	1	Ď	13.03.2017 14:00:50		Microsoft Security Updates Critical
itle:			Cumulative Update for Windows 10 Version 1511 (983210721) Windows 10		- ×	Approved 13.03.2017 14:00:50	- 11	Revision / Creation 201 / Urknown
Type here to filter by title			Security Update for Adobe Flash Player for Windows 10 Version 1511		\mathbf{v}	Unknown	- 11	Security bulletin MS17-001 KB Article 3210721
Show updates who request manually	1.1	-+-	Windows 10 Security Update for Windows 10 Version 1511 (KB3172729)	G	0	13.03.2017 14:00:50 Unknown		More information Click here
added sources (STUB)			Windows 10 Windows Malicious Software Removal Tool for Windows B. B. 1 and 10 -	5	\odot	13.03.2017 14:00:50 Unknown		Agent state
Reset al filters			Windows Server 2012 R2 December, 2016 Security Monthly Quality Rollup for Windows Server 2012	Ċ	Ŏ	13.03.2017 14:14:38 Approved		Approval 13.03.2017 14:30:57 LApproved
			Windows Server 2012 R2 December, 2016 Security Only Quality Update for Windows Server 2012 R2	C	Ū	13.03.2017 14:14:38 Approved		Download 13.03.2017 14:36:22 Complete
			Windows Server 2012 R2 Neurophys. 2015 Server's Only Outlity Lindate for Ulindows Server 2012 R2	17	D .	13.03.2017 14:14:38		Object
	1.8	-	Windows Server 2012 R2 October, 2016 Security and Quality Rolko for .NET Framework 3.5 on	Ū	Ŏ	13.03.2017 14:14:38 Approved		In DB since 13.03.2017 14:00:50
		+	Windows Server 2012 R2 October, 2016 Security Only Quality Update for Windows Server 2012 R2	C	Ó	13.03.2017 14:14:38 Approved		uposteru [creo tese stoo-427 e boue-666388627acc
			Windows Server 2012 R2 October, 2016 Security Only Update for .NET Framework 3.5 on Windows	Ċ	Ó	13.03.2017 14:14:38 Unknown	~	

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the updates management with «Manage Updates» in the ribbon menu:

Important The list of the managed updates is empty until at least one client has transferred its scan results.

In the list display, use the right mouse button to modify the treatment / release of individual updates on the context menu:

Parameter	Explanation
Unknown	The update is not downloaded and stored in the block store. The com- puters on which the update is missing are reported.
Exclude	The update is not downloaded and stored in the block store. The update is not mentioned on any status report and is completely hidden.
Approve	The update is downloaded and stored in the block store. Depending on the definition by the group or by manual setting per device, the update is released for installation.

Important For the Columbus system, excluded updates are considered as non-existent.

3.2.1 STUB updates

STUB (**S**ource file **t**o **u**pdate **b**riefing) are updates that can only be obtained from the manufacturer privately or indirectly:

- User accounts for authentication
- License-dependent
- Not supported download protocols

The installation file for STUB updates can be written in the block store using the "Add/Replace source file" function. After that, the same processes as for conventional updates are valid.

3.3 Managing update groups on the complete system

Manage Group Manage Groups Туре ♥ Group name ▲
 ♥ Group description Microsoft SQL Server 2014 Service Pack 2 (KB3171021) - 4, AL F Approved automatically
 Member of this group instal updates automatically
 Approved manually
 Approved manually
 Admin have to approve for each member manually Product A Avaliable si Service Pack 2 for Microsott avec. Server 2014 instances and compon setus. Service Pack 2 caru upgrade 2014 to Service Pack 2 level. For o options, please with the Microsoft D Service Pack 2 Microsoft SQL Serv SQL Server 2014 ... Filter by available Severity: v FileZila (64-Bit) FileZila 3.24.0.0 (64-Bit) FileZila (64-Bit) FileZila 3.24.1.0 (64-Bit) FileZila (64-Bit) Firefox (64-Bit) Firefox 50.0.2 English (64-Bit) Ignored automatically
 Member of this group ignores all updates ~ ~ Critical.Impo Category: Application.I Download: Client group A Productive Clients Load te D 🗸 Client group B Load Firefox (64-Bit) Firefox 50, 1.0 English (64-Bit) Informatior ~ Complete.Erro Approval: Server group A
 Productive Server Firefox (64-Bit) Evenus 51.0, 1 English (64-Bit) Load \bigcirc ~ SQL Server 201 L Server 2014 Se AutoJgnor Server group B Load reads 130, Server 2014 Service Pack 2 (983)71003) crosoft 50, Server 2014 unity Update for 50, Server 2014 (933045323) crosoft 50, Server 2014 unity Update for 50, Server 2014 Service Pack 1 (9330704-unity Update for 50, Server 2014 Service Pack 1 (9330704-unity Update for 50, Server 2014 Service Pack 1 (9330704-unity Update for 50, Server 2014 Service Pack 1 (9330704-Update for 50, Server 2014 Service Pack 1 GR (933) ----Type here Title: Mi 200 / 01.01.0001 Security bu 3171021 ----Mi Reset al Filters More in Dick he Mic Group state Notepad++ (32-Bit) Notepad++ 7.2.2 (32-Bit) 13.03.2017 15:03:33 | Auto Notepad++ (32-Bit) Notepad++ 7.3 (32-Bit) Notepad++ (32-Bit) Notepad++ (32-Bit) Notepad++ (32-Bit) Notepad++ (32-Bit) Notepad++ (32-Bit) Unknown | Unknown Object In DB si 13.03.2017 14:14:38 Office 2003 Office 2003 Service Pack 2 E.0710.04000 Office 2003 Service Pack 2 Office 2003 Service Pack 2 for K 88 • -• ₩ M M -► ₩ M 88 To not filtered Update 42 of 220 To not filtered Group Close

In the «Infrastructure» overview, select the «Endpoint Protection» agent and display the updates management with «Manage Groups» in the ribbon menu:

An individual behavior can be assigned to each group per update using the right mouse button on the context menu:

Parameter	Explanation
Ignore	The update shall not be installed nor uninstalled.
Manual	The update must be released individually for each computer by an ad- ministrator.
Auto	The update is installed automatically by the management client.

3.4 Managing the status of individual computers

13.03.2017 13:57:51 win-10-x86 080027004A48 192.168.1.106 Update Management Health in-7-x64 19.12.2016 09:22:45 08002757FBA0 Has missing update(s) Select All Prior Next 10 Last **y** -Next ☆-Device 14 of 23 1 Device Selected 🐞 Not Filtered Dashboard OSDeployment SWAssignment Endpoint Protection HW & SW Inventory Disk Management Scheduled Actions Data Backup Sets Attachments Update Management Filter Updates: Type here to filter updates Adobe Systems, Inc., bwg, Igor Paylov, Micro: Installed / Uninstalled (3) 7-Zip (32-Bit),Adobe Reader,Notepad++ (3: 🗸 Pending Actions (5) Application, Connectors, Critical Update, Defin Missing / Erroneous (17) Critical,Important,Low,Moderate,Unknown Ignored (5) Filter Status: 🔲 <u>Unknown (0)</u> Download failed, Ignored by device, Ignored I 🔀 Reset all Filters Last report: <u>13.03.2017 14:53:51</u> Last scan: 13.03.2017 13:59:29 List / Chart

In the list display, use the right mouse button to modify the treatment / release of individual updates on the context menu:

Parameter	Explanation
Install	The update can be installed on this computer (if previously set to man- ual on the group).
Uninstall	The update must be uninstalled (this menu item is only available if the relevant update has an uninstall routine).
Ignore	The update shall not be installed nor uninstalled.
None	No special regulation, the group definition is applied.

Important The updates must be released by Agent on the complete system before the	
	manual release.

3.5 Getting updates offline

If the Columbus server does not have direct Internet access, the patches can also be obtained from an external source. The following section describes the procedure for downloading the patches from an "Internet PC" and transferring them to the Columbus infrastructure. For this, the 3 illustrated steps are necessary



- 1. Creating a transfer media (USB Drive)
- 2. Download Update from a Computer with internet access
- 3. Load Patches into Columbus UpdateManagement library

3.5.1 Configuration

To download the patches from an external source, you must adjust the configuration as follows. In the "Infrastructure" overview, select the agent "Endpoint Protection" and display the configuration in the ribbon menu with "Configure".

indpoint Prot	ection Agent
	Endpoint Protection
	Configuration settings for Endpoint Protection
General D	ownloads
🔘 Getu	apdates online 📃 Use proxy server (Defined on base agent) Test
🔘 Getu	apdates offline
Spe	cifu the offline location to get undate content
	J: \Loiumbus\EPDepor
Spe	cify a user account when using a network shared resource
	Access Parameters (net access)
	Demain
	User:
	Password:
	OK Cancel

In the tab "Downloads", select the option "Get Updates Offline". If you require a proxy for Internet access, you can enter this information.

3.5.2 Download Patches

Create media

For transferring the update information, external hard drives or USB sticks can be used. For the initial download of the patches, free space of about 25-30GB is needed. The incremental updates are then much smaller.

- 1. Create the directory USB:\EPDepot on the external drive
- 2. Run the "Download Updates" action on the "Endpoint Protection" agent.

This action generates a table of contents of the needed patches. The content directory is stored on the Columbus Share (or, depending on the configuration in the EP agent) under

 $"...\Columbus\EPDepot\RequiredDownloads.json".$

3. Copy the file "RequiredDownloads.json" into the previously created directory on the USB stick.

4. Navigate to the directory "C: \ Program Files (x86) \ Columbus \ Tools" and copy the files "ColumbusUpdateDownloader.exe" and "ColumbusUpdateDownloader.cfg" into the previously created directory on the USB stick.

The USB stick should now contain the following content:



Important Before you start the download Delete all existing folders in USB:\EPDepot. so that only the above 3 files are present

Initiate download

Connect the previously created medium to a PC connected to the Internet. Run "ColumbusUpdateDownloader.exe" to start the download.



After completing the downloads, there are now further folders with the patches available, which will now be transferred to the Columbus server



NoteThe patches with the ID's "b1da41b1-92df-4f9b-ac6e-04673e9ff7c4" and "5fab9019-c3b7-
4cd5-b718-e9227a562dd8" are the patch catalogs. If you only the catalogs want to update,
just copy them to the server.

Add patches to the store

1. Connect the transfer medium to your workstation or server.

2. Copy the patches from "USB:\EPDepot" to "Server:\Columbus\EPDepot".

Important	The existing folders must be overwritten
	3. Run the "Download Updates" action on the "Endpoint Protection" agent to read the patches into the block store

3.5.3 Operation

When operating in offline mode, note that new patches will not be recognized until a new catalog is available. This means that the steps under "Load patches" must therefore be carried out once for updating the catalogs and then for the newly detected patches. It is recommended to wait 1-2 days between updating the patch catalog and updating the patches.

Reports / overviews

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4.1 General overview of the organization

A general overview of all managed computers can be seen by selecting "Reporting" and "UpdateManagement" in the ribbon menu.



4.2 Overview of an individual site

Use the horizontal navigation to navigate through the organization. The results are cumulative (all computers of the selected site and its subsites are displayed):



4.3 Forensic view

Select "Reporting" and "Update Forensic" in the ribbon menu to start a forensic search to see if the computer is potentially at risk.

Update management forensic Image: Update management forensic Forensic for Endpoord Protection Image: Update management forensic Image: Update management forensic Image: Update management forensic Select updates to search with Select updates to search with Image: Update management forensic Image: Update management forensic Image: Update management forensic	•
All Microsomy → Select update Select update Select updates Product 106: Select updates Catopry Device: win-18-x85 Product 106: Select updates Catopry Device: win-18-x85 Product 106: Select updates Catopry Device: win-18-x85 Solect updates Catopry Device: win-18-x85	•
Select splates Select splates Select splates Select splates Select splates to search with Select	
Andrei 11 Mar Understanden Andree State St	
Hiter by dock data water	
Histitiane Tuce here to filer by hostname 2017-05 Cumulative Update for Windows 10 Version 1703	
Perensis State Excensous update(i) Upwared update(i) Maning updat/2	
Status Institutional colled Managed Limmanaged V Windows 10 2012/35 factor functional states from Adults State Blance for 2012/35 factor functional states for Adults State Blance for 2012/35 factor functional states for Adults States Factor functional states for Adults Factor functional states for Adults States Factor functional states for Adults States Factor functional states for Adults Factor functio	
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Domain bwg.cop.bwg.taring.bwg.de.cop.bwg.terai.cop.c?	
Warkgroupnstrome_000c296/bitd.bng.bng.cop.bng.br/v =	
Cost center BwG TESTING.BwG TEANING BwG_TESTING.CV III Walcows 10 Windows 14 Windows	
Filter by inventory data	
OS Type Clark Server Unknown w whooder Macrosol sometieve entrols is loo for windows s, V	
05 Ardhitecture Utrkzonno.64,66 🔍 🖬 2017-05 Security Honthiy Quality Raikap for Windows 7 for	
OS Capiton Microsoft Windows 10 Entreprise Microsoft Windows 7 ar	
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Identifying computers on which updates are missing:

- Enter the name of an update to the left of the navigation panel, in the field *Update Title*.
 - E.g. 4019112
- Activate the filtering by clicking once on Apply update filter.
- Select the required updates in the *Select updates to search with* overview.
 - For details on the update, double-click the entry.
 - If several updates must be checked, repeat this step.
 - The selected updates are listed in the *Selected updates* box.
- Additional filter for the computer can be set under Device data.
 - Only specific domains, device classes or Windows families
- The results are displayed by clicking once on "Apply device filter and search".
- In the company panel, display a list of computers by clicking once on "List Devices" or on a computer status.
 - The details of the required updates are displayed by clicking once on a computer.
 - If an updated has been ignored so far, an update release on a computer can be modified in the context menu.