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<table>
<thead>
<tr>
<th>Document title</th>
<th>Columbus 7.5.x - Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product version</td>
<td>7.5</td>
</tr>
</tbody>
</table>
| Production and printing| Brainware Consulting & Development AG  
                          Sumpfstrasse 15  
                          CH-6312 Steinhausen |
| Release date           | 04.06.2018                      |

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## Columbus 7.5.0 – Global Note

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
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<tbody>
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<td>0.1</td>
<td>Content</td>
</tr>
<tr>
<td>0.2</td>
<td>Changed DB-engine</td>
</tr>
<tr>
<td>0.3</td>
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<td>0.4</td>
<td>Supported Columbus Versions</td>
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<td>Discontinued</td>
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<td>Deprecated</td>
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<td>0.8</td>
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<tr>
<td>0.9</td>
<td>New functions / features</td>
</tr>
<tr>
<td>0.10</td>
<td>Known issues</td>
</tr>
</tbody>
</table>

## Columbus 7.5.1

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
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<tbody>
<tr>
<td>1.1</td>
<td>Discontinued</td>
</tr>
<tr>
<td>1.2</td>
<td>Fixed</td>
</tr>
<tr>
<td>1.3</td>
<td>Improved</td>
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<tr>
<td>1.4</td>
<td>New functions / features</td>
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<tr>
<td>1.5</td>
<td>Known issues</td>
</tr>
</tbody>
</table>

## Columbus 7.5.2

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Discontinued</td>
</tr>
<tr>
<td>2.2</td>
<td>Fixed</td>
</tr>
<tr>
<td>2.3</td>
<td>Improved</td>
</tr>
<tr>
<td>2.4</td>
<td>New functions / features</td>
</tr>
<tr>
<td>2.5</td>
<td>Known issues</td>
</tr>
</tbody>
</table>

## Columbus 7.5.3

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Discontinued</td>
</tr>
<tr>
<td>3.2</td>
<td>Fixed</td>
</tr>
<tr>
<td>3.3</td>
<td>Improved</td>
</tr>
<tr>
<td>3.4</td>
<td>New functions / features</td>
</tr>
<tr>
<td>3.5</td>
<td>Known issues</td>
</tr>
</tbody>
</table>

## Columbus 7.5.4

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>!Very important task!</td>
</tr>
<tr>
<td>4.2</td>
<td>New functions / features</td>
</tr>
<tr>
<td>4.3</td>
<td>Discontinued</td>
</tr>
<tr>
<td>4.4</td>
<td>Fixed</td>
</tr>
<tr>
<td>4.5</td>
<td>Improved</td>
</tr>
<tr>
<td>4.6</td>
<td>Known issues</td>
</tr>
</tbody>
</table>
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Columbus 7.5.0 – Global Note

0.1 Content

This document contains the product changes for version 7.5.0. For more information of improvements from older versions, please check release notes for each older version (E.g. 7.4.1, 7.4.0, 7.3.0).

0.2 Changed DB-engine

Columbus 7.5 will no longer support Firebird SQL and will now support Microsoft SQL Server only. See chapter 1 - Prerequisites for more information.

0.3 Changed license service

The license server was previously written with Microsoft .net2 framework and installed to: C:\inetpub\wwwroot\LicenseService.

The new license server is written with Microsoft .net4 framework and installed to: %_ProgramFiles%\Columbus\LicenseService

Note

A license activation is required after migration; please follow the instructions from the LicenseConsole.exe

0.4 Supported Columbus Versions

The Columbus 7.5.0 setup supports the automated migration from Columbus 7.3 or higher.

Older Columbus installations must updated to the latest 7.4.1 version before updating to 7.5.0.
## 0.5 Discontinued

### Setup

<table>
<thead>
<tr>
<th>Discontinued: Table to choose install features</th>
</tr>
</thead>
<tbody>
<tr>
<td>All needed data installed and prepared automatically.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Install standalone Management Client or Management Console</th>
</tr>
</thead>
<tbody>
<tr>
<td>The setup no longer offers the option to install a standalone Columbus Management Client or Columbus Management Console (Recommended: Use rollout functions from Console on Master Server).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Need for direct DB access during setup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup does not offer configuration for site server installation/updates.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Setup builder for Management Client or InventoryScanner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embedded setup builder for Columbus Management Client and Columbus Inventory Scanner – For Columbus inventory project Spider offers special builds.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Automated update for legacy Windows OS-Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup no longer updates legacy Windows (E.g. WinXP, Win8 etc.) OS-Release. Note</td>
</tr>
<tr>
<td>Get newest jobs from \OSDepot\Legacy and compare to your current OS-release.</td>
</tr>
</tbody>
</table>

### Infrastructure

<table>
<thead>
<tr>
<th>Discontinued: DB user “columbusRO” for read-only access to database</th>
</tr>
</thead>
<tbody>
<tr>
<td>No longer necessary, as customer are able to offer additional SQL-Server authentications.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Agent &quot;Database Backup&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer handles backup and restore by Microsoft SQL tools.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Active notification – Non-persistent store for status</th>
</tr>
</thead>
<tbody>
<tr>
<td>The non-persistent store for status text replaced by DB store only.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Remove ColumbusImageManager.exe</th>
</tr>
</thead>
<tbody>
<tr>
<td>The function to manage disk images integrated to Management Console.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discontinued: Infrastructure agent for Columbus 5 compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>The C5 sync agent removed completely.</td>
</tr>
</tbody>
</table>

### SW-Deployment

<table>
<thead>
<tr>
<th>Discontinued: SW-Package “00010_ColumbusUpdate”</th>
</tr>
</thead>
<tbody>
<tr>
<td>No longer needed since Columbus 7.3, a Client auto update function is available</td>
</tr>
</tbody>
</table>
Discontinued: SW-Package "900500_Paragon_HotCore_Driver_10"
The imaging binaries are included in Management Client.

Management Console

| Discontinued: Client configuration “SMS Feedback” |
| Function to send data to Microsoft SMS no longer available. |

| Discontinued: Client configuration “SWAdmin” |
| Discontinued because of use for DB based depot paths. |

**Note**
Check SW-packages for used `%AdminPath%` variable and set a variable in CMC -> Site Management -> Variables

| Discontinued: Device grid – Row colouring by health state |
| Replaced by health state icons |

| Discontinued: Offer for .CHM help files |
| Because of non-supported Windows versions, .CHM files provided. |

| Discontinued: Dialogs and function to manage firebird database |
| Certain dialogs and functions to manage firebird database removed or partially replaced by AdminConsole.exe. |

Management Client

| Discontinued: Script command ADDBDEALIAS removed |
| The command removed completely. |

| Discontinued: SWADMIN behaviour |
| The function removed completely. |

| Discontinued: Health state feedback for Patch Deployment |
| The client no longer sends visual status updates for Patch Deployment health. To reset current state please navigate to context menu from device grid -> Remove & Reset -> Reset SW Status |

| Discontinued: Offer for .CHM help files |
| Because of non-supported Windows versions, .CHM files provided. |

| Discontinued: Obtain variables for Patch Deployment |
| Variables used by Patch Deployment managed by the BasePatch.exe only. |
0.6 Fixed

Auditing

Fixed: Using wrong audit event code
In some circumstances, the event code was wrong. (E.g. Add infra resource to tree)

Management Console

Fixed: Move for multiple devices to other sites
The function allows multiple devices to move at a time.

Fixed: Device import template creates ANSI file
The template will be stored as UNICODE file.

Fixed: List for device classes was not sorted
The list sorts by alphabetical order.

Fixed: Move multiple devices to site
Movement of multiple devices to a site was not possible.

Fixed: InfraRollout overwrite existing configuration
Some active notification settings unwanted overwritten during InfraRollout from CMC.

Fixed: Report for pending OS-Deployment shows incorrect data
The report was not working as expected.

Fixed: Function “Who has this package” gets troubles with some group names
Same SW-group name with different content in multiple SW-Agents shows wrong results.

Fixed: SmartDeploy – Import & export for unattend.xml not working
The import & export was not working for some unattend.xml contents.

Management Client

Fixed: Script command SET with parameter /User in section UserAdd
The variable content can be stored under user registry.

Fixed: Script command LOAD VARIABLES with parameter /System
The variable content will be stored under \\System registry only.
**Fixed: Variable \%_ErrorLevelRun\% returns old value when using with parameter /DesktopInteractionRequired**

The variable could contain an old value from last processing when used with parameter to request desktop interaction.

**Fixed: Client Uninstall check before remove NotificationSVC.exe**

Will no longer remove NotificationSVC.exe if infrastructure service installed on same device.

**OS-Deployment**

**Fixed: CoLSetup support for multiple languages**

Multiple values in unattend.xml not supported for every case.

**Fixed: Embedded PowerShell code was not processed**

PowerShell now processed similar to SW-Deployment.

**SW-Deployment**

**Fixed: Variable \%_ErrorLevelRun\% was not reset with /DesktopInteractionRequired**

The value will reset for every run command separated.

**Infrastructure**

**Fixed: NetworkScanner was not update entries for COHARDWARE**

Results from NetworkScanner allowed update existing data for COHARDWARE.
## 0.7 Depreciated

### PatchDeploy

“UpdateManagement” replaces the known feature “Columbus PatchDeploy”.

For existing customer Columbus 7.5.0 preserves existing PatchDeploy data and behaviour. We recommend new UpdateManagement to protect your IT-systems. To disable your PatchDeploy behaviour, please request a new license file from admin@brainwaregroup.com without the feature LFT_ColumbusPatchDeploy.

Your subscription for PatchDeploy automatically updated to UpdateManagement.

<table>
<thead>
<tr>
<th>The PatchDeploy services get deactivated latest on December 31th 2018 (Or earlier).</th>
</tr>
</thead>
<tbody>
<tr>
<td>For new Customers ”Columbus PatchDeploy” is not available at all.</td>
</tr>
</tbody>
</table>

### COM Interface

The known feature “SOAP interface” replaced by “REST”.

SOAP used by actions triggered by Spider OperationManager (SW ordering, inventory data for incident tickets and ASAP commands)

| The COM Interface will be removed soon.                                            |
## 0.8 Improved

### Auditing

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add REST as source for Audit events</td>
<td>Known audit events get REST as identifier.</td>
</tr>
<tr>
<td>No direct DB access for audit result</td>
<td>Audit data transmitted over secured OTB communication.</td>
</tr>
</tbody>
</table>

### Infrastructure

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site server settings to access DB</td>
<td>Site server without forwarding OTB calls to next hop do access DB direct. The connection string is requested internally and not by registry entries.</td>
</tr>
</tbody>
</table>

### Management Client

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active notification – Pull interval for actions reduced to 60s</td>
<td>The Client will check every 60s for an update from active notification. (Dependent from router/firewall configuration for TCP 24780)</td>
</tr>
<tr>
<td>User part (GUI) will not request OTB calls</td>
<td>The user part will no longer request a direct OTB call but instruct service.</td>
</tr>
<tr>
<td>Online Disk Backup will not request for local admin user permission</td>
<td>The user part will no longer process online disk imaging actions. Service handles the full imaging process. Logged in user get informed by a progress bar.</td>
</tr>
<tr>
<td>Script command WMI READ and REPLACE add parameter /volatile</td>
<td>Both commands support volatile as parameter to auto clean-up value after reboot.</td>
</tr>
</tbody>
</table>

### Management Console

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Details</th>
</tr>
</thead>
</table>
Improvement: Device grid – Check online status
Offers direct connection to device by FQHN (Fully qualified hostname) and support send to foreigner network (Dependent from router/firewall configuration for UDP 9878/9879)

Improvement: Device grid – Sort and filter for column data
Click on header to sort by column, press "Ctrl+F" to open a filter menu

Improvement: Central e-mail settings
Mail settings managed centralized: Ribbon menu “System -> Settings -> Mail”

Improvement: Manage new object registrations
Cleaner management: Ribbon menu “System -> Settings -> Object registration”

Improvement: Show deployed security patches in tab "SW-Assignment"
The result for “old” PatchDeploy installation is displayed under the tab “SW-Assignment”

Improvement: Show pending os installations
Advanced search: Ribbon menu “Devices -> Advanced Search & Filter -> Predefined search conditions” -> Pending OS installations

Improvement: Separated calculation for SW-Packages and PatchDeploy
The calculation separated and only processed for single instance.

Improvement: Search for Asset Data is case insensitive
Values can be searched case insensitive

Improvement: SmartDeploy create/edit for OS-Release supports .ESD files
The creation or edit supports for sources with install.esd files.

Improvement: SmartDeploy show entries for combobox in alphabetical order
All values for SmartDeploy is ordered alphabetically

Improvement: E-Mail and phone call support for user grid
When user object has E-Mail or phone entries administrator is able to send mail or call by software.

Improvement: Ribbon menu – Search box for Device & Users
During entry into search box the current visible grid filtered. Press ENTER or click the search icon a search for hostname / username will begin.

Improvement: Allow to schedule repeated OS-Droployment actions
The schedule for repeated OS-Droployment actions allowed by default.
Improvement: Confirmation dialog during close can be disabled
The confirmation dialog is disable.

**OS-Deployment & PXE**

| Improvement: Use for Windows 10 PE 10.0.15063 |
|-----------------|-----------------|-----------------|
| 7.3             | 4.0 (x86/x64)   | NT 6.2.9200     | Windows 8.0   |
| 7.4             | 4.0 (x86/x64)   | NT 6.2.9200     | Windows 8.0   |
| 7.4.1           | 10.0.10586 (x86/x64) | NT 10.0.10586 | Windows 10 (1511) |
| 7.5.0           | 10.0.15063 (x86/x64) | NT 10.0.15063 | Windows 10 (1703) |

Improvement: PrepareCaptureAction does not provide a default image name
The GUI blocked until an image name was typed.

Improvement: Detect removable (E.g. USB, card reader) devices during Windows PE
Removable devices could stop Windows installation.

Improvement: Allow encrypted communication during Windows PE session
Some device (E.g. Microsoft Surface, HP tablets) do not offer correct hardware data to prepare SSL based communication.

Improvement: PXE request from uEFI by VMWare ESX supported
The request from ARCH_EFI_X86_AND_64 added as supported architecture for PXE requests.

**SW-Deployment**

| Improvement: Offer SW-Package "100100_MS_Windows_Activation.UNI" |
|-----------------|-----------------|-----------------|

SW-Package offered to automate Windows activations.
0.9 New functions / features

MS SQL

New: Support for Microsoft SQL engine
MS SQL 2014 or higher and Express or more is supported as database engine.

Management Console

New: Replaced device & user grid
New grid offers more details and state information for objects. Filter, sort and navigation highly improved.

New: Use for SYSADMIN user to login as administrator to Management Console
Because columbusRW is a DB-administrator account, the login to Management console as administrator handled by SYSADMIN user account. Password can be modified by delivered AdminConsole.exe

New: Smart Selection for easy and fast selections based upon inventory
The tree structure contains node “Smart selections” which allows select devices based upon data from inventory data. Software and Hardware data can combined.
**New: Offer to remove installed Management Client**

Context menu for device -> Others -> Uninstall Columbus Client

---

**REST**

**New: Offer http based command interface**

REST offers multiple commands to control data and actions without the need for Management Console. Please check additional documentation for more information.

---

**UpdateManagement**

**New: Offer UpdateManagement for 3rd party and Microsoft updates**

Scanned, reported, installed. All in a single solution without dependencies to WSUS or additional foreigner add-ons. All date stored and transmit as de-duplicated blocks.
## 0.10 Known issues

### Global

<table>
<thead>
<tr>
<th>Info: Website to be informed about known problems, issues or improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://support.brainwaregroup.com/columbus/7.5/cases/">https://support.brainwaregroup.com/columbus/7.5/cases/</a></td>
</tr>
</tbody>
</table>

### UpdateManagement

<table>
<thead>
<tr>
<th>Open: Audit events for UpdateManagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The current release does not support the audit UpdateManagement events</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Known: No support to remove updates from Windows prior NT6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows XP, 2003, Vista and Server 2008 not supported to remove installed updates.</td>
</tr>
</tbody>
</table>

### Documentation

<table>
<thead>
<tr>
<th>Open: English and Japanese translated documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only German documentation is available, other languages will delivered soon.</td>
</tr>
</tbody>
</table>

### CMC - Languages

<table>
<thead>
<tr>
<th>Open: Partial Japanese translations missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Japanese language only translated partially and will delivered soon.</td>
</tr>
</tbody>
</table>
# Columbus 7.5.1

## 1.1 Discontinued

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OSDeploy</strong></td>
<td>Discontinued: Support for impersonation account for OSDeploy.exe&lt;br&gt;The support for impersonate during script processing for OSDeploy.exe removed completely.</td>
</tr>
<tr>
<td><strong>UpdateManagement</strong></td>
<td>Discontinued: Customized scan intervals&lt;br&gt;Because for the definable time ranges for scan, download and install updates a different interval for scan other than daily is obsolete.</td>
</tr>
</tbody>
</table>

## 1.2 Fixed

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Migration</strong></td>
<td>Fixed: Migration to German based SQL-Server failed&lt;br&gt;Pure German SQL-Server could have different / unhandled date format. Support added.</td>
</tr>
<tr>
<td><strong>OSDeploy</strong></td>
<td>Fixed: Partition scheme for SmartDeploy did not support Bitlocker encryption&lt;br&gt;The partitioning scheme used for SmartDeploy was not support Bitlocker encryption correctly.\n<strong>Note</strong>&lt;br&gt;No support for Bitlocker with legacy Windows Deployment.</td>
</tr>
<tr>
<td></td>
<td>Fixed: Forward OSDeploy index data over OTB did not work&lt;br&gt;In some circumstance the forward for OSDeploy index data from infrastructure to infrastructure was not work at all.</td>
</tr>
<tr>
<td></td>
<td>Fixed: ColSetup x64 could not identify by UUID on some hardware&lt;br&gt;During a Windows PE x64 session ColSetup was not able to get UUID to identify.</td>
</tr>
</tbody>
</table>

| **Blockstore**     | Fixed: Log entry "Failed to request required blocks, restore has failed"
Blocks not requested correctly when change target or source Blockstore agents. |
Management Client

Fixed: Missing %_OSLang% as static variable
The variable is available again.

Fixed: Command TEXTFILE with parameter /OMITTRAILINGCRLF not working as expected
The command write some crap chars.

Fixed: SW-order contains no user e-mail address
The order contains the e-mail address.

Fixed: Double started columbus.exe for user sessions
In very rare circumstance the Client GUI process was started multiple in same user session.

Management Console

Fixed: Remove obsolete right CO_DBMAINT
The formal used right to process DB maintenance scripts is obsolete because for the change to MS SQL.

Fixed: Remove a user object does not remove security assignments
Remove all assigned right from object when deleted.

Fixed: Remove a site object does not remove security assignments
Remove all assigned right from object when deleted.

Fixed: Mail and phone links not available for filtered user grids
Mail and phone links not useable when filtering the user grid.

Fixed: Remove a company object does not remove data assignments
Remove all assigned data from object when deleted.

Fixed: Inheriting for variables aborts
In some circumstances inherit for variables to site aborts and logs error messages.

Fixed: REST agent gets no description in Site Management
The description for REST agent was missing.

Fixed: Delete a device object can show error during a refresh for grid
The refresh calculated separately.

Fixed: Wrong SW icon for list for assigned SW-packages for user.
The icon did not represent the current DB state.

Fixed: Missing rights for SmartSelections for SYSADMIN
Shared SmartSelections not usable for SYSADMIN.

**Fixed:** Import template.json did not update unattend.xml in DB

If template.json contains different unattend.xml path the current available DB entry not updated after import.

**Fixed:** LDAP Import store devices in wrong site

The import did not check for target site ID in some circumstances.

### 1.3 Improved

**Management Console**

**Improved:** Display name to select language shows value in native language

The value is readable for language natives.

**Improved:** Support to Drag & Drop non pre-selected objects

Objects (E.g. SW-packages, SW-groups) can be drag&dropped without to preselect.

**Improved:** Changed colour for highlight grid objects

The used colour is easier to navigate in highlighted results.

**Management Client**

**Improved:** Do not process as TrustedInstalled when reach timeout

The trusted installer module get no more started when command RUN reaches timeout.

**Remotely Anywhere**

**Improved:** SW-Package contains latest available version 12.4.3832

The SW-package contains latest available version with changed license handling.

**Inventory**

**Improved:** Offer Blacklist for SW-Metering

Do not more meter process when path is blacklisted for file scan (Section “InvDirectoryFilter”).

**UpdateManagement**

**Improved:** Offer button to navigate to support page

If available from manufacturer, a navigation to Support-URL offered as button for STUB updates.
Improved: Browse for STUB file changed to “Downloads”

Optimized the handle to navigate to downloaded STUB resources to check first for folder “Downloads”.

**OSDeploy**

Improved: OSDeploy.exe support for Windows 10 (1703) – Locked service DB

Windows 10 1703 contains an undocumented bug for locked service database entries. Columbus ODeploy.exe gets additional check and re-tries.

Improved: Support for latest Ubuntu Linux distribution

Some changes for setup process supported.

## 1.4 New functions / features

### Inventory

**New: Inventory supports ISO 19770 (SWIDTag) information for Spider**

Inventory (Scanner, Agent and Client) is able to obtain information from SWIDTAG files and forward to Spider only. (The feature does not include any changes on Spider products. Spider offers official support later)

**New: Inventory supports model tagging for HP and DELL**

Inventory (Scanner, Agent and Client) is able to obtain information from service tags and forward to Spider only. (The feature does not include any changes on Spider products. Spider offers official support later)

### Remotely Anywhere

**New: SW-Package “900200_RemotelyAnywhere_12_Certificate.ENU”**

The SW-Package “900200_RemotelyAnywhere_12_Certificate.ENU” contains script code to support for Customer SSL certificate. The package is delivered for education purpose only. For more information see: [https://kb.brainwaregroup.com/article/KB-01018](https://kb.brainwaregroup.com/article/KB-01018)

### UpdateManagement

**New: Offline Downloader for Updates and Catalogues**

To support secured Updatemanagement environment a Columbus Master server cannot connect to Internet (Customer network restrictions). Columbus contains ColumbusUpdateDownloader.exe.
# 1.5 Known issues

## Global

<table>
<thead>
<tr>
<th>Info: Website to be informed about known problems, issues or improvements</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://support.brainwaregroup.com/columbus/7.5/cases/">https://support.brainwaregroup.com/columbus/7.5/cases/</a></td>
</tr>
</tbody>
</table>

## UpdateManagement

<table>
<thead>
<tr>
<th>Open: Audit events for UpdateManagement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The current release does not support the audit UpdateManagement events</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Known: No support to remove updates from Windows prior NT6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows XP, 2003, Vista and Server 2008 not supported to remove installed updates.</td>
</tr>
</tbody>
</table>

## Documentation

<table>
<thead>
<tr>
<th>Open: English and Japanese translated documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only German documentation is available, other languages will delivered soon.</td>
</tr>
</tbody>
</table>

## CMC - Languages

<table>
<thead>
<tr>
<th>Open: Partial Japanese translations missing</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Japanese language only translated partially and will delivered soon.</td>
</tr>
</tbody>
</table>
# Columbus 7.5.2

## 2.1 Discontinued

**Additional Inventory Items (Forward to Spider only)**

<table>
<thead>
<tr>
<th>Defaults for Additional inventory items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Because for the new function to get more and detailed inventory items (See chapter &quot;new functions / features&quot;) the current default content for InventoryItems.csv replaced.</td>
</tr>
</tbody>
</table>

**Setup**

<table>
<thead>
<tr>
<th>WebService (COM-Interface) from Columbus 6 (ANSI version)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removed WEB-Service to support ANSI commands over SOAP.</td>
</tr>
</tbody>
</table>

**CMC – Devices – HW & SW Inventory**

<table>
<thead>
<tr>
<th>Display for Spider internal entries from Software Scan</th>
</tr>
</thead>
<tbody>
<tr>
<td>All product names beginning with an asterisk (E.g. *EDC ScannerAddon.Net4) are hidden as they are used for Spider internal calculations only.</td>
</tr>
</tbody>
</table>

## 2.2 Fixed

**Management Console**

<table>
<thead>
<tr>
<th>SmartSelection - &quot;Windows XP &amp; 2003&quot; - Wrong condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>The condition to select all Windows XP or 2003 instances were wrong.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PXE rules import does not update display list</th>
</tr>
</thead>
<tbody>
<tr>
<td>After import file for PXE rules, the list not updated.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The right CO_LISTMACH1 was need to show user lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrong right checked to show user lists.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Navigation bar offer navigation icons even no data visible</th>
</tr>
</thead>
<tbody>
<tr>
<td>The navigation icons only enabled if data is available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>User grid empty</th>
</tr>
</thead>
<tbody>
<tr>
<td>In some circumstances, the grid for user was empty.</td>
</tr>
</tbody>
</table>
### Device or user assigned SW-package list get issues with inherited or denied assignments
The visual state does not correspond to real state from DB.

### Infrastructure Blockstore Agent – Select a sync server immediately close session
When select a sync source the Console closed immediately without warning.

### Disk Management shows not creation date but import date
The display for dates was wrong. It shows the creation date now.

### Realtime monitor could freeze session
When select a device and open realtime monitor the current session could be freeze.

### OS SmartDeploy – Open maintenance form not working
The maintenance form could not opened.

### Infrastructure REST Agent – Assignments was not updated
Enable or disable the agent not shown in site management assignments.

### Import from LDAP could stuck for OUs with empty spaces
Support to import from LDAP for OU name “My OU”.

### Delete company or site does not clean-up all data from DB
Clean-up all related data from site or company.

## Setup

### Missing SSL files after install Columbus infrastructure
Missing the SSL files when not installing a local Management Client too.

### Missing NotificationSVC & ColumbusHook after install Columbus infrastructure
Missing some files when not installing a local Management Client too.

## OS-Deployment

### Domain join could fail for OU with empty spaces
The support for OU names with empty spaces use stable script routine.

### Information from legacy Windows deployment (unattend.txt / unattend.xml)
Organisational user and company and the Windows license key not read from unattended file from Site/Config.

### Repeated OS-actions was stop after 24h
Repeated deploy actions (E.g. education environment or Linux thin boot) was cancelled after 24h.
Processing OSDeploy.exe if no network available
The process for Columbus scripts during OS-Deployment was stuck if no network available.

Infrastructure
OTB forwarder stuck when handle old commands
The forward for non-more supported OTB commands (E.g. old clients or server) could stuck the whole process.
Truncate for log files not working
The log file increase to unlimited size.

Inventory
Network scanner gets trouble while using netBIOS
The NetBIOS functions are removed completely now.

### 2.3 Improved

**Calculation speed for rights, tree content and SW-assignments**
For environment > 10’000 devices the speed to calculate rights, trees or assignments is improved.

**Creation for device objects over REST for more than 80’000 items**
The time for creation more than 80’000 device objects improved for 90% less time.

**UpdateManagement – Offer button to download source file**

**Management Client**
**UpdateManagement – Download for update content**
The time to download update items improved for 50% less time.

**Scripting – Timeout for VBS code execution set to 60s**
The Windows internal timeout changed to up to 60s as some VB code was not running otherwise.

**Scripting – The SET command was not work as expected in user sessions**
The combination for parameter /User with /Script or /Volatile is supported now.
### GUI

The form for SW-Kiosk always displayed on top

When use command line "columbus.exe !SOD" the form is stay on top for now.

### REST

Offer /latest to simplify URI request independent from interface version

Prior: [http://columbus:8084/1/device/H3EEGKzBM9](http://columbus:8084/1/device/H3EEGKzBM9)


Get list for pending device action

Get list for all pending actions for a deviceId: /devices[deviceId]/actions

Get list for immediate pending actions: /devices[deviceId]/actions?pending=Now=true

Check for specified device action

Get list for specified pending action:

GET /devices/[deviceId]/actions?filter:action=SWPROC

Schedule update scan, Client Uninstall and online disk backup, add more device and user functions

Get users, search users, assign and remove packages or groups:

Check documentation for examples.

### Infrastructure

Open FTP ports for local Windows firewall

The port for internal FTP-service is open now.

### OS-Deployment

Finalized the bitlocker partitioning

ColSetup does automatically partitioning disk for later support with Microsoft bitlocker.

### Blockstore & Shareless

Support for NAS without correct disk layout

Some NAS does not present a correct disk layout when accessing for blocks. Columbus can ignore such failures for now.
2.4 New functions / features

Smart-Deployment

Offer to process OS-Deployment from USB-Stick

For devices or locations without available PXE services deploy can processed upon an USB-Stick and the use for local OSDepot data from USB-Stick. Brainwaregroup will release a KB-article and documentation chapter soon.

Note: The OS-deploy action must pre-scheduled in CMC before boot from USB-Stick.

Offer to select disk for install Windows

For devices with multiple disks the install disk (Default disk 0) can be select:

UpdateManagement – Offer forced scan & install actions
Inventory (For Spider)

Offer wildcards for excluded paths
The usage for wildcards supported:
* Means any text for a use case like %windir%*
? Means any single character, for a use case like ?:\Database

For configuration for Client, Scanner, Agent use Client Template:

```
[Exclude paths]
Path: Allowed wildcards: * and ?. For example: %windir%* or ?:\Database
```

When used with SpiderDataCollector please modify CFG file as follows:
```
[DirectoryFilter]
InvDirectoryFilter000=%windir%*
InvDirectoryFilter001=?:\Database
```

Client AutoUpdate

Offer option to recreate Client AutoUpdate files (Infrastructure Base Agent)

Inventory (Forward to Spider only)

Offer additional inventory items
More details for hardware offered for different components.

For configuration for Client, Scanner, Agent use Client Template:

```
[Options]
Bus
CPU
Memory
Monitor
Motherboard
```

The value 1 until 10 are correspondent as detail level. Usually a level for 4 is the maximum usable deepness. Some components like BUS do support more.

When used with SpiderDataCollector please modify CFG file as follows:
[InventoryItems]
InvItemAudio=10
InvItemBus=10
InvItemCPU=10
InvItemMemory=10
InvItemMonitor=10
InvItemMotherboard=10
InvItemNetwork=10
InvItemPorts=10
InvItemPrinter=10
InvItemStorage=10
InvItemUSB=10
InvItemVideo=10

Default content for InventoryItem.csv
Most used details for operating system are protocolled by default for InventoryItems.csv used by Spider Asset.

Get data from SWIDTAGs
Support for industry standard for SWIDTAGs: https://en.wikipedia.org/wiki/ISO/IEC_19770

2.5 Known issues

Global
Info: Website to be informed about known problems, issues or improvements
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UpdateManagement
Open: Audit events for UpdateManagement
The current release does not support the audit UpdateManagement events

Known: No support to remove updates from Windows prior NT6.1
Windows XP, 2003, Vista and Server 2008 not supported to remove installed updates.
Columbus 7.5.3

3.1 Discontinued

Management Console

Infrastructure - Remove context menu function "Delete single agent"

The function to remove infrastructure is obsolete as the agent can deactivated. Additional sw-depot agents managed on separate form.

3.2 Fixed

Setup

Missing firewall rule for Columbus REST

The firewall not opened for REST.

Migration for COSOFTWARE could failure for unknown date format

Unknown date format from Firebird could fail DB migration to MSSQL.

Imaging and UpdateManagement files not in correct OS-Deployment folder

The files are stored now here:

C:\Program Files (x86)\Columbus\Console\ClientRollout\Columbus Client 7.5.2\$APPDATA$

C:\Program Files (x86)\Columbus\Infrastructure\AutoUpdate\Client\$APPDATA$

D:\Columbus\OSDepot_legacy\NT5\Job\Col7\ASETUP\ColumbusAppData

D:\Columbus\OSDepot_legacy\NT6\Job\Col7\ASETUP\ColumbusAppData

D:\Columbus\OSDepot_jobstore\windows\mandatory\Col7\ASETUP\ColumbusAppData
## Columbus 7.5 – Release Notes

### Infrastructure

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fails to stop from time to time</td>
<td>Process changes for WinPE injection could fail the service stop.</td>
</tr>
<tr>
<td>Direct assigned software gets removed overnight</td>
<td>Assignments could lost when use for action &quot;SW Cleanup&quot; from Reporting agent.</td>
</tr>
<tr>
<td>Message from Active notification get lost</td>
<td>Visual updates for device in Management Console gets lost. Often seen for devices in virtual node &quot;Selection&quot;.</td>
</tr>
<tr>
<td>SW-Agent - Scan for packages does not update info.rtf</td>
<td>The info.rtf updated when changed.</td>
</tr>
<tr>
<td>SW-Agent - Shareless - Packages changes won't get recognized</td>
<td>Script changes not recognized as change and therefore not updated in Block Store.</td>
</tr>
</tbody>
</table>

### Management Console

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show old data when switch site or virtual nodes</td>
<td>Old data could be shown when switch to sites or virtual nodes where no devices assigned.</td>
</tr>
<tr>
<td>Missing permissions when logging into with &quot;sysadmin&quot;</td>
<td>The login with user &quot;sysadmin&quot; could not load the permission correctly.</td>
</tr>
<tr>
<td>Message from Active notification get lost</td>
<td>Visual updates for device in Management Console gets lost. Often seen for devices in virtual node &quot;Selection&quot;.</td>
</tr>
<tr>
<td>Proxy Test for Endpoint Protection fails</td>
<td>Test for proxy connection failed when used to download data from cloud instances.</td>
</tr>
<tr>
<td>Access violation in &quot;Who has this group assigned&quot;</td>
<td>During process function &quot;Who has this group assigned&quot; an access violation was happen.</td>
</tr>
<tr>
<td>Forensic filters for Update Management not reset</td>
<td>Use forensic filter for multiple times the filter not reset between process changes.</td>
</tr>
<tr>
<td>Grant a security role not displayed correctly</td>
<td>After granting a security role, the role still displayed as denied (&quot;[..]&quot;).</td>
</tr>
<tr>
<td>Replication set - Display wrong size format</td>
<td>The size for replication content always displayed as bytes.</td>
</tr>
<tr>
<td>Issue</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>SmartDeploy - Delete OS-Release - Wrong OS-Release get deleted</td>
<td>When having multiple OS releases and you want to delete one of them using right mouse click &gt; &quot;Delete&quot; it shows a dialog with the release it is going to delete. The text is right but the release it wants to delete is the wrong.</td>
</tr>
<tr>
<td>Update for user phone or email not part for Active Notification</td>
<td>Change user phone or email not immediately updated on multiple open CMC sessions.</td>
</tr>
<tr>
<td>Color setting are written to Registry, just by clicking the Console Options</td>
<td>Even without a click on &quot;OK&quot; the colors written to local user registry.</td>
</tr>
<tr>
<td>SmartDeploy – Set OS-release owner not work</td>
<td>User not able to set new owner when change OS-Servers/Agents.</td>
</tr>
<tr>
<td>Color settings not load from CMC.ini</td>
<td>The colour settings not always read in same order. The new order is: 1.) Registry 2.) CMC.ini 3.) Defaults from brainwaregroup</td>
</tr>
<tr>
<td>SW-Agent - Splitting Depot are not possible to create</td>
<td>Even the depot not created on remote server; the entry in DB changed already.</td>
</tr>
<tr>
<td>Filter for devices show exception</td>
<td>Filter for devices and switch between tabs could show exceptions.</td>
</tr>
<tr>
<td>Export - Assigned software with patches is not shown in line</td>
<td>Export for device assigned SW-packages was not show package-patches in the same line:</td>
</tr>
<tr>
<td>Management Client</td>
<td>User part does not react to service stop request</td>
</tr>
<tr>
<td></td>
<td>In some circumstances, the user part was working for backup or restore processes and was not able to stop when service is shutdown down.</td>
</tr>
<tr>
<td></td>
<td>Inventory scan request from CMC failed to process via notification system</td>
</tr>
<tr>
<td></td>
<td>The action for a local inventory scan processed correctly but could not message back to CMC.</td>
</tr>
<tr>
<td>Imaging menu does not support settings from ClientTemplate</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>The imaging menu can be limited from Administrator to only offer backup or restore actions. The client was always offering all actions independent from setting.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Client and registry security not set for Windows 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>During rare situations, the registry permission was not set correctly on Windows 10.</td>
</tr>
</tbody>
</table>

**Inventory**

<table>
<thead>
<tr>
<th>Software Scan can contain wrong date format</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some manufacturer do not write down a valid date for installation. The scan code will try to create a correct value or let empty to prevent import failures in DB.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SW-Metering – Some process are not listed correctly</th>
</tr>
</thead>
<tbody>
<tr>
<td>When work with folder filter during file scan, the metering for some processed was not able to generate correct information.</td>
</tr>
</tbody>
</table>

**OS-Déploiement**

<table>
<thead>
<tr>
<th>Message &quot;No Disk&quot; for some card reader devices (Lenovo ThinkStation P310)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lenovo ThinkStation P310 contains a smartcard reader without correct callbacks. Columbus tries to get more data to disable it during process Windows PE tasks.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LegacyDeploy – Support for network setting &quot;Standalone&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>The network setting &quot;standalone&quot; not supported. Now the device joined to workgroup STANDALONE.</td>
</tr>
</tbody>
</table>

**Update Management**

<table>
<thead>
<tr>
<th>Required reboot for Updates not detected properly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not all reboot request detected for updates from Microsoft or 3rd party manufacturers.</td>
</tr>
</tbody>
</table>

---

### 3.3 Improved

**Management Console**

<table>
<thead>
<tr>
<th>Block Store - Wrong server in the list of Software Sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Software Depot with additional &quot;virtual&quot; instances the replication set shows the name for the instance instead of the server name.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inventory import time - Support for time range over midnight</th>
</tr>
</thead>
<tbody>
<tr>
<td>The import time was not support times over midnight (E.g. 2200-0200).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optimize Update Management default filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open form &quot;Manage Updates&quot; will present all updates in &quot;unknown&quot; state for easier decisions.</td>
</tr>
</tbody>
</table>
Grant user right on virtual node "ALL" - Modify to grant right and roles on virtual nodes

Modify user security roles and rights for objects in virtual nodes (like "All", "Locked" etc.) will modify settings for company level.

Cloning of a device support SmartDeploy

Clone a device will clone SmartDeploy settings too:

![Image of cloning a device](image)

REST permission settings globally defined

The setting for REST globally set in Ribbon "System" -> "Settings" -> "Communication".

Reinstall Software is greyed out when using filter

When filter SW-package assignments for device the context menu "Reinstall Software" was disabled.

Offer data export from inventory

The export not offered for all inventory grids. Now context menu contains:

![Image of data export](image)

Management Client

Allow multiple OTB host entries for Active Notification

Client can handle multiple host entries and connect for Active Notification to fall-back server when primary not reachable.

Prevent reboot for changed OTB host settings

Change for OTB host in ClientTemplate could request an immediate reboot for Windows device. The reboot request removed completely.
Process identification and get settings for each service start-up
The prior identification and check for new ClientTemplate strictly cached for 5 minutes. Now the cache cleaned up during every service start-up.

Dynamic Client Config - Run config.wms when process identification
The "dynamic client configuration" feature will processed during each identification process.

REST Management
Support for device with multiple MAC addresses
The REST command to identify device support multiple MAC addresses.

SW-Deployment
Simplify the usage for PowerShell scripting
Script command "PowerShell" simply auto detect for x86/x64 architecture. To enforce use for architecture use “PowerShell32” or “Powershell64”.

Update Management
Load distribution for update scan process
The default delay to start an update scan fixed to 15 minutes. The Client will obtain a random value between 1 and 15 (Can be set up to 60) to wait until scan process starts.

Stop WUA after usage
After process scan or installation for updates, the WUA not stopped in some circumstances.
3.4 New functions / features

Infrastructure

Offer SFTP for further delivery for MAC, Linux and Unix inventory data

Further Columbus releases will contain inventory scanner for Mac, Linux and Unix. The transfer for results will be based upon simple SFTP communication. To obtain various ways to use simple SFTP, the base directory is defined on whole Columbus folder and the user cis (Columbus Inventory Scanner for alternate platforms) has restricted access to sub folder only:

Use for OpenSSL 1.0.2.14 (1.0.2n)

The SSL based communication for OTB is based upon 1.0.2.14 (1.0.2n) from OpenSSL binaries.

Show in log when using SSL secured communication

The SSL based communication for OTB will show the use in log file:

```
Connection login: OTB server=Win2k8r2.Testing.com:24784 UseSSL=TRUE
```

Management Client

Show icon in systray permanently

Users was not able to find the Columbus icon to process features like Kiosk, Imaging etc. The icon is now displayed permanently in the sys-tray:
Allow empty account for local NT security

In most customer environment there is no need to use a local user account and usual SYSTEM is sufficient:

Note For shareless deployment, no network access account must defined.

Console

Easy report for package assignments

Easy and fast report for package assignments to devices or users with filtering and optional settings allows:

- Select all notebooks with assigned “Office 2016” package but no “PDF-Writer”
- Select all from domain “bwgdemo.corp” with assigned “Notepad++” and “Firefox 21”
- Select all from cost enter “MARKETING” with assigned “Irfanview” OR “PhotoShop”
Easy navigate for organisations tree

For big environments the tree structure can easy navigate to requested site name:

Inventory

Detect Windows as Azure instance

Inventory scan code is able to detect and report Windows as Azure Client or Azure Server instance. The information gets forwarded to Spider Asset Management too:

3.5 Known issues

Global

Info: Website to be informed about known problems, issues or improvements

https://support.brainwaregroup.com/columbus/7.5/cases/

UpdateManagement

Open: Audit events for UpdateManagement

The current release does not support the audit UpdateManagement events

Known: No support to remove updates from Windows prior NT6.1

Windows XP, 2003, Vista and Server 2008 not supported to remove installed updates.
4.1 Very important task!

This chapter relates to Customer who uses the Columbus Shareless module to deploy SW-packages or deploy updates from UpdateManagement.

Management Console

ClientTemplate – Shareless

Please review your shareless configuration after update to Columbus 7.5.4 because for changed input fields. Check for all Client templates!

OLD view

NEW view

Make sure your configuration is correct; afterward save with click on button “Save current”! 
4.2 New functions / features

Database
Support for MS SQL 2017
New installations with Microsoft SQL Server 2017 supported.
For upgrade scenario, please consult documentation from MS SQL manufacturer.

Management Client
Offer local status overview in registry
In the registry path some values are available:
HKLM\SOFTWARE\Brainware\Columbus\7\Client\Status
- ActivationState (ACTIVE, LOCKED, UNMANAGED)
- DeviceOID (The Columbus internal OID)
- LastSoftwareProcessing (An UTC based timestamp when last SW-packaging assignments was processed)

Changed interval to check for scheduled actions
There are two configuration entries for Client (Local registry only, not in Client Template):
UserActionsInterval – Check every 5min for actions (Default set to 300s)
UserActionsIntervalDelay – Randomized delay if reached the interval (Default set to 0)

Management Console
Show progress and offer cancel for mass-operations like move or delete device/user objects
Inventory

Inventory scanner for Apple Macintosh

Columbus Inventory provide a solution to get hardware and software information from Apple Macintosh computers. The result displayed in Columbus Management Console and used for Smart selections too. Upload to Spider ITM available, please check to use latest Spider version.

Hardware

<table>
<thead>
<tr>
<th>Devices</th>
<th>Users</th>
<th>Site Management</th>
<th>Infrastructure</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SMD</th>
<th>UPM</th>
<th>Class</th>
<th>Status</th>
<th>Domain/Workgroup</th>
<th>Last Feedback Date</th>
<th>Last Feedback Text</th>
<th>CostCentre</th>
</tr>
</thead>
</table>

Device 1 of 49 1 device selected  Not Filtered

Dashboard  OS Deployment  SW Assignment  Endpoint Protection  HW & SW Inventory  Disk Management

Filter: [ ]

BIOS Date
BIOS Vendor
BIOS Version
CPU Architecture

For more information, please consult the Columbus Inventory documentation (Coming soon).

Software

For more information, please consult the Columbus Inventory documentation (Coming soon).

Inventory

Support to obtain OSFamily

The inventory modules (scanner/importer) are prepared to support multiple different OS families:

- 0 = Unknown (Default if no information available)
- 1 = Windows (Independent Client or Server Edition)
- 2 = MacOS (Not Apple iOS)
- 4 = Linux (Incl. Linux based hypervisor like XEN)
- 8 = Unix (Solaris X86/SPARC, IBM AIX, HP-UX)
- 16 = VMware ESXi Systems

Add self-instance into SoftwareScan.csv

The scanner/agent/client add to the report for installed applications on Windows.
4.3 Discontinued

Management Console

ClientTemplate – Shareless

The configuration sheet has changed generally. However, the value for a tertiary Blockstore host removed completely. (See chapter “Very important task!” for more information)

<table>
<thead>
<tr>
<th>Inventory Common</th>
<th>Inventory Spider</th>
<th>Power Management</th>
<th>Shareless</th>
</tr>
</thead>
</table>

Shareless options

Connection:

- Override OUs assigned Block Store

<table>
<thead>
<tr>
<th>Primary host</th>
<th>Alternate host 1</th>
<th>Alternate host 2</th>
<th>Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>primary</td>
<td>secondary</td>
<td>tertiary</td>
<td>20006</td>
</tr>
</tbody>
</table>

4.4 Fixed

Setup

Prevent overwrite InventoryAgent CFG file

The file ColumbusInventoryAgent.cfg overwritten after update Columbus.

Paragon folder is empty after a new installation

The files on ImgDepot for paragon imaging was missing.

Infrastructure

Access violation while checking email(s) to be sent

During check for sending status information via e-Mail the infra could run in exceptions.

The maximum allowed threads to service OTB connections has been reached

During heavy load, the infrastructure was not able to serve all requests.

Management Console

Clone a user object not working

The clone for an existing user was not working.

Device health hint does not show the correct message when there is an error

In some circumstances the hint text (Mouse hover) was not correspond to the status icon.
| Filter for devices shows exception | The filtering could end with exceptions. |
| Exported device list did not contain correct UUID | The export contains correct UUID now. |
| Form "Calculating softwarelist for device" hangs | The form was hanging in some circumstances. |

**Management Client**
- Multiple user instances started
  - In some rare circumstances, the Columbus.exe started multiple times for same user session.
- Autoupdate might fail
  - The ClientUpdater.exe is able to handle stocked update processes now.

**Imaging**
- Client Imaging does not work
  - In some circumstances, the local processing for imaging actions was not possible.

**Inventory**
- Delete & Re-Deliver Inventory (won't be deleted)
  - From Management Console requested action to get current inventory data was not working as expected.

**Update Management**
- Scan & Install Updates did not enforce the actions
  - The Management Client does enforce the scan & install actions now.
- STUB Updates are losing information after DB update
  - After Columbus was update to the version 7.5.3.37, the download information for the STUB Updates are gone. The sources have been add but after the Update, the status set to Unknown.

**Packaging Tools**
- CRC Checksum doesn't show up in Package History
  - The updated CRC checksum changed in package.ini now.
## 4.5 Improved

### Setup

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support for manually changed DB settings</td>
<td>The setup check for changed DB settings in local registry before process DB scripts. This allows updating Columbus for environments with changed DB access settings between last setup run.</td>
</tr>
</tbody>
</table>

### Infrastructure

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Get metadata for replication independent from target block store</td>
<td>Allows get replication sets from various block stores not only from original source server.</td>
</tr>
</tbody>
</table>

### Management Console

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deny SW-Package assignment for unmanaged devices/users</td>
<td>SW-Packages cannot more assigned to object with activation status &quot;unmanaged&quot;.</td>
</tr>
</tbody>
</table>

### Update Management

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Default delay to process scan, download &amp; install</td>
<td>The default delay value is set to minimal 15min to reduce heavy load on large environments.</td>
</tr>
</tbody>
</table>

### OS-Delay

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PrepareCaptureAction - Cleanup Columbus &quot;ASetup&quot; and Windows &quot;Temp&quot; folder</td>
<td>The folders &quot;C:\Windows\ASetup&quot; and &quot;C:\Windows\Temp&quot; get cleaned before capture an instance.</td>
</tr>
</tbody>
</table>
## 4.6 Known issues

### Global

<table>
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### Inventory

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<td>The documentation for Apple Macintosh is ongoing to be released here soon: <a href="https://www.brainwaregroup.com/de-ch/support/downloads/columbus/#pdf-dokumentationen">https://www.brainwaregroup.com/de-ch/support/downloads/columbus/#pdf-dokumentationen</a></td>
</tr>
</tbody>
</table>
5.1 !Very important task!

This chapter relates to Customer who uses the Columbus Shareless module to deploy SW-packages or deploy updates from UpdateManagement.

Management Console

ClientTemplate – Shareless
Please review your shareless configuration after update to Columbus 7.5.4 because for changed input fields. Check for all Client templates!

OLD view

NEW view

Make sure your configuration is correct; afterward save with click on button “Save current”!
5.2 GDPR

The Columbus SW-Management Suite is prepared to be ready for the GDPR rules. All needed information are available in a separate document here:


Common

Deny automated registrations for new objects

Because for the changes for GDPR, the auto registration for objects (Device or User) is blocked by default. That concerns:

- New devices by PXE
- New devices by Management Client
- New users by Management Client

Base inventory

Obtain personal data from Management Client

Because for the changes for GDPR, obtain for inventory data containing personal data is switched off by default. That concerns:

- Last Columbus User / Machine
- MAC Address
- TCP/IP address
- Windows registered owner
- Windows registered organization
Inventory

Obtain personal data with Inventory (Client, Agent or Scanner)

Because for the changes for GDPR, obtain for inventory data containing personal data is switched off by default. That concerns:

- Last Columbus User / Machine
- MAC Address
- TCP/IP address
- Windows registered owner
- Windows registered organization
- Windows product key

- **HardwareList.xml**
  - `<OperatingSystem classname="TOperatingSystem">`
  - `<Summary>`
  - `<TCPIP classname="TTCPIP">`

- **HardwareScan.csv**
- **LastLoggedOnUser**
- **LastLoggedOnSAMUser**
- **LastLoggedOnUserSID**
- **MAC1, MAC2, MAC3, MAC4**
- **IPAddressV4, IPAddressV6**

- **InventoryItems.csv**
  - **"OS.System.RegisteredUser"**
  - **"OS.System.Organization"**
  - **"OS.System.ProductKey"**

### Client configuration templates

#### Inventory Scanning Settings

- **General**
  - Embedded scanner
  - Columbus asset data
  - Auto update scan DLL

- **Random start delay**
  - Value: 0 minutes

- **Communication**
  - **Offline**, **FTP**, **OTB**
  - **Scan Interval**: Daily
  - **Host**: columbus.bmgdemo.corp
  - **Port**: 24756

- **Inventory scanner / agent**
  - **Auto update agent**

- **Home path**

- **Personal data protection**
  - **Retrieve last User / last Device information**
  - **Retrieve Windows License data**
  - **Retrieve Network (MAC, IP etc.) data**

- **Save config for inventory agent**
- **Save config for inventory scanner**
### 5.3 New functions / features

#### Inventory

Add customized entries to SoftwareScan.csv

During obtain data for SoftwareScan (Get entries from Windows Uninstall, process Spider ScannerAddon.dll) read data from:

HKLM\SOFTWARE\Brainware\Columbus\7\ExternalInventoryData

Enumerate all keys in "ExternalInventoryData" and read values to fulfill the entries for SoftwareScan.csv:

- Manufacturer
- SoftwareName
- SerialNo
- Version
- InstallDate in format YYYYMMDDHHNNSS
- QuietUninstallString
- UninstallString
- URLInfoAbout
- WindowsInstaller (**Hardcoded to 0** as there is no ProductID available!)

#### REST

Get device inventory software

- /devices/ExAmpL3d3v?include=hardwareInventory
- /devices/ExAmpL3d3v?include=softwareInventory,hardwareInventory

Get device inventory hardware

- /devices/ExAmpL3d3v?include=hardwareInventory
- /devices/ExAmpL3d3v?include=hardwareInventory,softwareInventory

#### Management Console

Rename Infrastructure Agent "LDAP Synchronisation" to «Active Directory Import»

As the agent is able to import but not export to AD, the title renamed.
### 5.4 Discontinued

**Management Console**

Client Template - Remove settings for "Installation options"

Two seldom used configuration settings deleted without replacement:
- Verify after copy
- Cleanup file rename queue

Device – Legacy OS-Deploy - Remove option for "Create custom partitions"

The function to create custom partitions deleted without replacement.

### 5.5 Fixed

**Management Client**

Actions get not executed

If Client got issue during the identification process, some actions never processed.

**Management Console**

Client Template – Setting to disable Patch scanning not displayed correctly

The checkbox “Disable patch scanning on client” not show the value stored in database.

Execute multiple Management Console on same device log exceptions

When execute multiple instances for Management Console (CMC) the log contains exceptions from mail-slot communication system.

Device – SW-Assignments – Missing header and vertical scroll bars

Header and vertical scrollbar was not visible in some circumstances.

Device – SW-Assignments – Status for SW-packages with multiple patches wrong

The status for the main SW-package could show state in dependable from states from patches.

Device – SW-List – Show package documentation

During show the package documentation the Management Console shows error message because for missing data from database.

Various grids show error "grid index out of range" or similar exceptions

The Management Console shows various exceptions and gets unresponsive.

Smart selection on software does not work

The use for smart selection for scanned software entries shows exceptions.
<table>
<thead>
<tr>
<th>Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load selection from file into selection node might not show all selected items</td>
</tr>
<tr>
<td>Selection from file was not working as expected.</td>
</tr>
<tr>
<td>Device – SW-Assignments - Export to file contains no data</td>
</tr>
<tr>
<td>The export to file for SW-assignments for device contained no data.</td>
</tr>
<tr>
<td>Infrastructure - Scan for additional Depots is not triggered</td>
</tr>
<tr>
<td>The indexing for depots from additional agents never processed.</td>
</tr>
<tr>
<td>Inventory</td>
</tr>
<tr>
<td>Network Scan – Failed to save software inventory data</td>
</tr>
<tr>
<td>The save for software inventory data obtained by network scanner fails.</td>
</tr>
<tr>
<td>Importer – Error happened: &quot;String or binary data would be truncated.&quot;</td>
</tr>
<tr>
<td>In some circumstances, the import for inventory data was not possible.</td>
</tr>
<tr>
<td>Hardware scan not contain data for graphic adapter</td>
</tr>
<tr>
<td>The data for graphic adapters was not contained in the scan results.</td>
</tr>
<tr>
<td>Imaging</td>
</tr>
<tr>
<td>Error during restore when no image is selected</td>
</tr>
<tr>
<td>If no image selected, the “Start” button enabled anyway.</td>
</tr>
<tr>
<td>Infrastructure</td>
</tr>
<tr>
<td>Executed Management Console on Site Server required direct DB access</td>
</tr>
<tr>
<td>The Management Console (CMC) tries to connect direct to database to display infrastructure agent settings.</td>
</tr>
<tr>
<td>Site Server appoints himself to MasterOTB</td>
</tr>
<tr>
<td>In some circumstances during SQL-Connection troubles, a Site-Server was appoint himself to MasterOTB. This could increase the amount for license bookings as deny communication.</td>
</tr>
<tr>
<td>Blockstore &amp; Shareless</td>
</tr>
<tr>
<td>Unhandled exception - Unable to create directory</td>
</tr>
<tr>
<td>While restore backup sets the creation for new directories could fail.</td>
</tr>
<tr>
<td>After restore a backup set the timestamp was wrong</td>
</tr>
<tr>
<td>If a software depot transferred to a site server via replication, the time stamp overwritten with the current time.</td>
</tr>
<tr>
<td>REST</td>
</tr>
<tr>
<td>Missing data in GET /treeNodes on large databases</td>
</tr>
<tr>
<td>Full organization path was missing, no title visible.</td>
</tr>
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</table>
### AdminConsole

**Change role for OTB settings could remove assigned "Central Task manager" role**

During store the OTB settings for a single server, the “Central Task Manager” roles removed from all server instances in database.

### 5.6 Improved

#### Management Client

**Verify local block depot - Add a self-healing**

If the Client gets corrupt blocks during rebuild backup-sets, re-verify local block depot

If the rebuild of package will fail on the next rebuild process, the client will first very block depot.

#### Management Console

**Inconsistent naming of activation state**

The activation state are named system wide now:

- Managed
- Locked
- Unmanaged
- Blocked (Only available for object auto-registration)

#### Client Template – Create new template with defaults

When create a new Client Template the default settings get loaded from database and offered to be changed.

#### Client Template – Allow user trigger SW-installation in a terminal session

When a user is logged on locally and triggers the software installation, pending packages will get installed. In a terminal session (MS TS, Citrix, RDP) only the "UserAdd" will be processsd to prevent system wide changes or reboots. Use this setting to allow software installation in a terminal session.

#### Active Notification could slow down the Management Console in large environments

In larger environments, the handling for messages from Active Notification could slowing down the usability.

#### OS-Deployment – Smart deploy

**DISKPART changes disk letters**

For multi disk devices, the disk letters could change unwanted during deploy process.
### Allow to include sxs folder

During creation for new smart deploy OS-release the content from folder "sxs" gets copied too. This allows install additional windows features during deployment.

### 5.7 Known issues

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#### Management Client

<table>
<thead>
<tr>
<th>Show systray icon permanent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Windows build 16299 or higher do not more support to show icons permanently in the systray.</td>
</tr>
</tbody>
</table>
Prerequisites

6.1 Master Server

Columbus Infrastructure
- Server 2008 SP2 (32/64bit)
- Server 2016 (recommended)
- 5GB free Space for Program Files
- 10 GB free Space for Repository (Dependent customers OS- and SW-release data)
- 4GB RAM
- Physical or virtualized
- SQL native Client 2012 (To process Columbus installation)

License (Server and Console)
- Microsoft .net Framework 4.6
- Windows IIS

Database
Local installation or remote access:
- MS SQL Server 2014, 2016 (Servicepack 1 mandatory), 2017 (Express, Standard, Enterprise)
- Windows or SQL-User Authentication

6.1.1 Setup issue “Error opening file for writing.”

In some circumstances (Depend from running modules), Columbus 7.5.x setup cannot overwrite some files:

Workaround:
Click on "Retry". The same or similar message can appear multiple times.
6.2 Site Server

Columbus Infrastructure
- Server 2008 SP2 (32/64bit)
- Server 2016 (recommended)
- 5 GB free Space for Program Files
- 10 GB free Space for Repository (Dependent customers OS- and SW-release data)
- 4 GB RAM
- Physical or virtualized

6.2.1 Setup issue “Could not determine Installation Type”

Columbus 7.5.x setup requires some information from registry, not provided by 7.4.x setup script:

Workaround:

[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Brainware\Columbus\7\Setup]
"IsSite"=dword:00000001

6.2.2 Setup issue “Error opening file for writing:”

In some circumstances (Depend from running modules), Columbus 7.5.x setup cannot over-write some files:

Workaround:
Click on “Retry”. The same or similar message can appear multiple times.
Update Management

UpdateManagement replaces the known PatchDeploy behaviour completely and offers various features and functions to make sure Customers have an up-to-date and secure IT environment.

7.1 Newsworthy features

- No dependencies to WSUS
- Managed in single administrator console
- Views available top-down
- Multi-tenant support with full view for provider
- Forensic search for potential vulnerable devices
- No file share, no security risk for modified update files
- Stored and transmitted as de-duplicated data blocks
- All communication permanently secured by SSL tunnelling
- All visual chart can be switched into a list view for details

7.2 Screenshots

Administrator view to manage updates: Approve for download, exclude from further processing, check content or read further information from manufacturer.
Administrator view to manage groups: Approve for automated deployment, manual decisions or ignored updates.

Manager view to report single or multiple tenants or sites: Filter for specified platform, architectures or products. Check for approvals and switch view between chart or list view.

Forensic view to report single or multiple tenants or sites: Filter for specified platform, architectures or products. Check for potential vulnerable devices.
Administrator view to report single device: Check for approved, pending or ignored updates. Approve manual decisions and plan removals for installed updates.
## Knowledgebase Articles

### Setup

<table>
<thead>
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<th>Prerequisites Columbus 7.5</th>
</tr>
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</table>

<table>
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<th>System Requirements - SQL Server</th>
</tr>
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### Communication

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