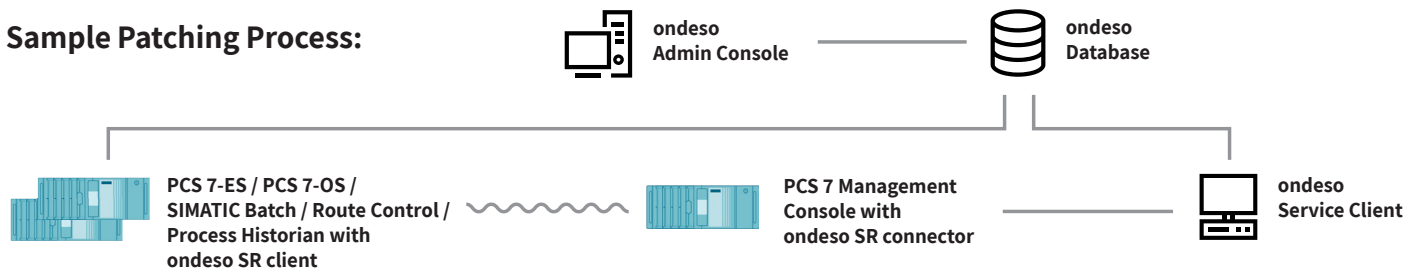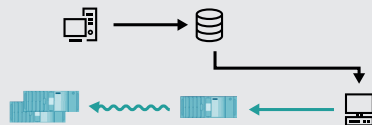# ondeso SR

SIEMENS SIMATIC PCS 7 PATCH MANAGEMENT

As an official Siemens Product Partner for SIMATIC Automation Systems, you can design the Microsoft Update Management (WSUS Patch Management) automatically and securely within your PCS 7 infrastructures using the ondeso SR Connector for SIMATIC PCS 7. The entire process is carried out using the API connection of ondeso SR to the SIMATIC Management Console (SMMC) and the import of the XML file provided by Siemens for the description of compatible Microsoft updates. Thanks to this connection and integration depth, the Windows systems of a PCS 7 environment can be provided easily, securely and reliably with the Microsoft updates released by Siemens.

Sample Patching Process:

ondeso Admin Console

ondeso Database

PCS 7-ES / PCS 7-OS / SIMATIC Batch / Route Control / Process Historian with ondeso SR client

PCS 7 Management Console with ondeso SR connector
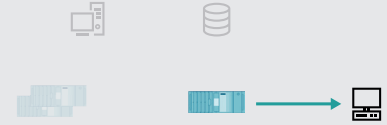
ondeso Service Client

1.

Starting the Patch Workflow

The user selects a SIMATIC PCS 7 client to be patched in the ondeso Admin Console. ondeso sends the command „Stop Runtime" to the SIMATIC Management Console via the ondeso Service Client.

2.

SIMATIC Patch Request

The SIMATIC Management Console reports back to the ondeso Service Client when the runtime of the SIMATIC PCS 7 client has been terminated.

3.

IEC-62443- Compatible Patching

The patch management is then started on the SIMATIC PCS 7 client. ondeso installs all missing updates on the SIMATIC PCS7 client – even across reboots.

4.

Patch Completion Confirmation

ondeso reports the completion of the patch process on the SIMATIC PCS 7 - client to the ondeso Service Client.

5.

Establish Operational State

ondeso sends „Start WinCC Runtime" to the SIMATIC Management Console. It reboots the SIMATIC PCS 7 - client and automatically restarts the PCS 7 - OS user interface.

6.

Logging of the Installed Patches

Feedback of the update result to the ondeso Admin Console.

Stay in full control of your data with technology „MADE IN GERMANY"

✓ Increased operational reliability through runtime control via API of the SIMATIC Management Console

✓ Demand-based switching of redundant systems (primary <> secondary)

✓ Secure patch process by checking the operating status of the target devices and update process according to manufacturer specifications

✓ Automatic retrieval and application of update lists from Siemens according to IEC-62443 standard

✓ Transparent and traceable changes of your OT systems

✓ Independent and process-oriented execution by maintenance and automation personnel

Technical requirements

ondeso:
- Running ondeso SR instance
- Service Client for communication with SMMC

Siemens SIMATIC PCS 7:
- PCS 7 Version 8.2 SP1 or higher

Further information can be found here:

www.ondeso.com/en/ondeso-sr
www.youtube.com/c/ondeso

Website   YouTube

ondeso develops software specifically in the fields industry 4.0 and digitalization. No matter whether the client is a production company or a machine manufacturer, a medium sized business or a corporate group – ondeso supports them specifically in the field of IT operating management and security in production. The successfully launched products are suited for all industries and applicable across the entire range of production systems and procedures. Whether management systems, HMIs or controls – ondeso manages the lifecycle of industry PCs and offers custom fitted products on the highest technological and conceptual level - 100% made in Germany.

Do you have questions?

Whether by phone, email or personally on site, do not hesitate to contact us. We will be happy to help you.

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