OT Patch Management as a Service

Are you able to handle the requirements of your operational technology (OT) and guarantee reliable functionality? Are you worried about your production capability potentially not being available 24/7 or are you already up to date with all patch managment requirements?

Availability to produce at all times is a top priority in production. Yet companies are faced with challenges in achieving this from specific patch management legal and industry regulations such as the EU NIS 2, the new EU Machinery Regulation, the EU Cyber Resilience Act and the IEC 62443. These regulations require clear procedures that deal with software vulnerabilities, perpetual product security updates and patch management to be established.

Patch management in OT is the process of distributing, installing and managing software updates or patches on devices and systems used in industrial environ-

ments. OT includes all systems that control, monitor or automate physical processes, case in point production systems. Nevertheless, due to the complexity of patch management, many companies rather risk security breaches and penalties instead of tackling it.

Challenge

Unpatched systems within the production ecosystems present a heightened security risk for companies due to the increased level of networking, automation and sophisticated targeted attacks. These lead to incidents such as a commandeered production process, production halts or catastrophic failures.
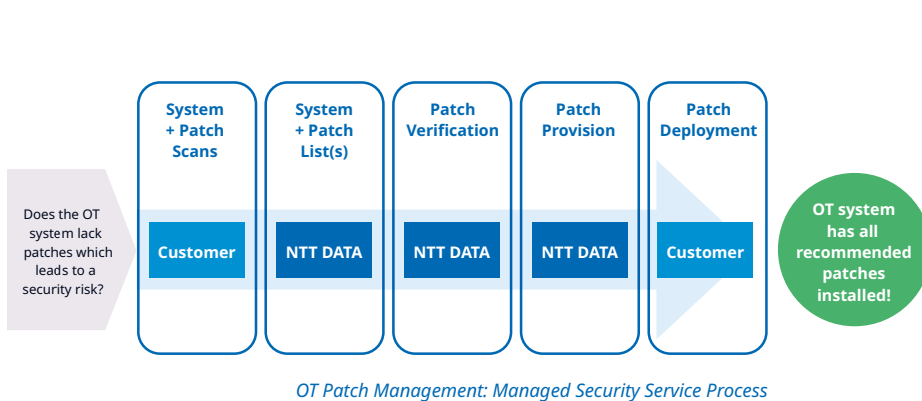
Also, most companies lack the overarching insight on the status of the OT systems at any particular moment when it comes to the necessary patch management and updates. They often also lack the personnel and expertise to install and update these in a timely and effective way.

NTT DATA's OT Patch Management as a Service

With our *OT Patch Management as a Service*, we offer you comprehensive solutions that can easily be integrated into your existing infrastructure.

We have experts with many years of experience in the OT sector, designing, implementing and operating solutions that are individually tailored to fit your requirements. The service includes:

1. **Proactive security check:**
   Assets with missing security updates are continuously identified and recorded.

2. **Verification:**
   We identify the neccessary patches for your critical assets. This is based on recommendations and best practices from OT manufacturers.

3. **Deployment:**
   Patches are prioritized and provided based on each system's unique requirements, known limitations, and planned maintenance schedules.

4. **Implementation:**
   When the patch is provided and delivered, your OT managers decide when and which of these will be implemented. Our team of experts are on standby to support you when necessary.

OT Patch Management: Managed Security Service Process

Process flow boxes:
- Does the OT system lack patches which leads to a security risk?
- System + Patch Scans — **Customer**
- System + Patch List(s) — **NTT DATA**
- Patch Verification — **NTT DATA**
- Patch Provision — **NTT DATA**
- Patch Deployment — **Customer**
- OT system has all recommended patches installed!

Benefits you enjoy

With our *OT Patch Management as a Service* you benefit from:

1. **Protection of your production environment:**
   By patching your OT systems, you increase the protection against cyber attacks.

2. **Resources conservation:**
   Our team of experts reduce your workload for successful OT patch management to a minimum, so that your internal team can concentrate on the core business.

3. **Transparent reporting:**
   You will receive regular reports on the status of your system's deviations from officially recommended patches and potential risks.

4. **Minimal downtime:**
   We patch during scheduled maintenance windows when production isn't running so that production disruption is minimized.

5. **Customization:**
   Our solution is tailored to your specific needs and production ecosystem.

6. **Siemens Compliance:**
   Our patch management solution is approved for Siemens SIMATIC Automation Systems to automate Microsoft Update Management within your SIMATIC PCS 7 infrastructures.

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Contact us today for individual advice.

TRUSTED ADVISOR
Trustworthy and unbiased
advice up to implementation.

INNOVATIVE SOLUTIONS
Thanks to long-standing
and trustworthy collaboration
with our solution partners, we offer
individual approaches
for every customer challenge.

INVESTMENT PROTECTION
The focus is on optimizing
and further developing
your existing systems – this way,
we protect the investments
you've already made.

About NTT DATA

NTT DATA is a trusted global innovator of business and technology services, helping clients innovate, optimize and transform for success. As a Global Top Employer, we have diverse experts in more than 50 countries and a robust partner ecosystem. NTT DATA is part of NTT Group.

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