CVE-2022-38042: ONDESO SR OVERCOMES OBSTACLES IN DOMAIN JOIN

Due to an upcoming hardening measure by Microsoft, the automation technology team of an automotive manufacturer had to make configuration adjustments to around 3,000 OT clients in order to ensure a reliable domain join. The automotive manufacturer decided to use ondeso SR.

A domain join hardening measure from Microsoft, which had been scheduled to be rolled out via an upcoming patch, presented the automation technology team of an automotive manufacturer with a challenge. The installation of this patch, which closes the vulnerability CVE-2022-38042, would have the consequence that, for example, after a client replacement, a new domain join of the OT clients to the Active Directory would be blocked and thus central administration would no longer be possible. With the knowledge of the consequences, the team proactively searched for a solution to carry out an automatic configuration adjustment on the approximately 3,000 OT clients in the plant. The solution came with ondeso SR. The operations engineers were familiar with our software, as it had already been in use within the global group since 2018. The use of ondeso SR not only enabled the automated implementation of the necessary configuration adjustments, but also allowed manual execution at critical points.

SUCCESSFUL DOMAIN JOIN THANKS TO ONDESO SR

After an initial project meeting, ondeso's professional services team was given the task of creating an automated workflow, a so-called "operation" in ondeso SR. The advantage of an operation is that the car manufacturer's team has maximum flexibility in its execution so as not to disrupt ongoing production operations. The central control via the ondeso SR AdminGUI allows simultaneous starting on several OT clients. If a suitable maintenance window should arise spontaneously, it is also possible for the operation to be started directly on the machine by the production staff via the ondeso SR Start Center.

The operation was carried out as follows: Once the operation was started, all of the OT client's information was first determined from the domain. The OT client was then removed from the existing domain and temporarily deleted from the Active Directory. The last step was the domain join. The OT client was re-added to the domain under a new user, also known as the creator, and with all the previously determined information. Client information that was no longer required was automatically deleted.
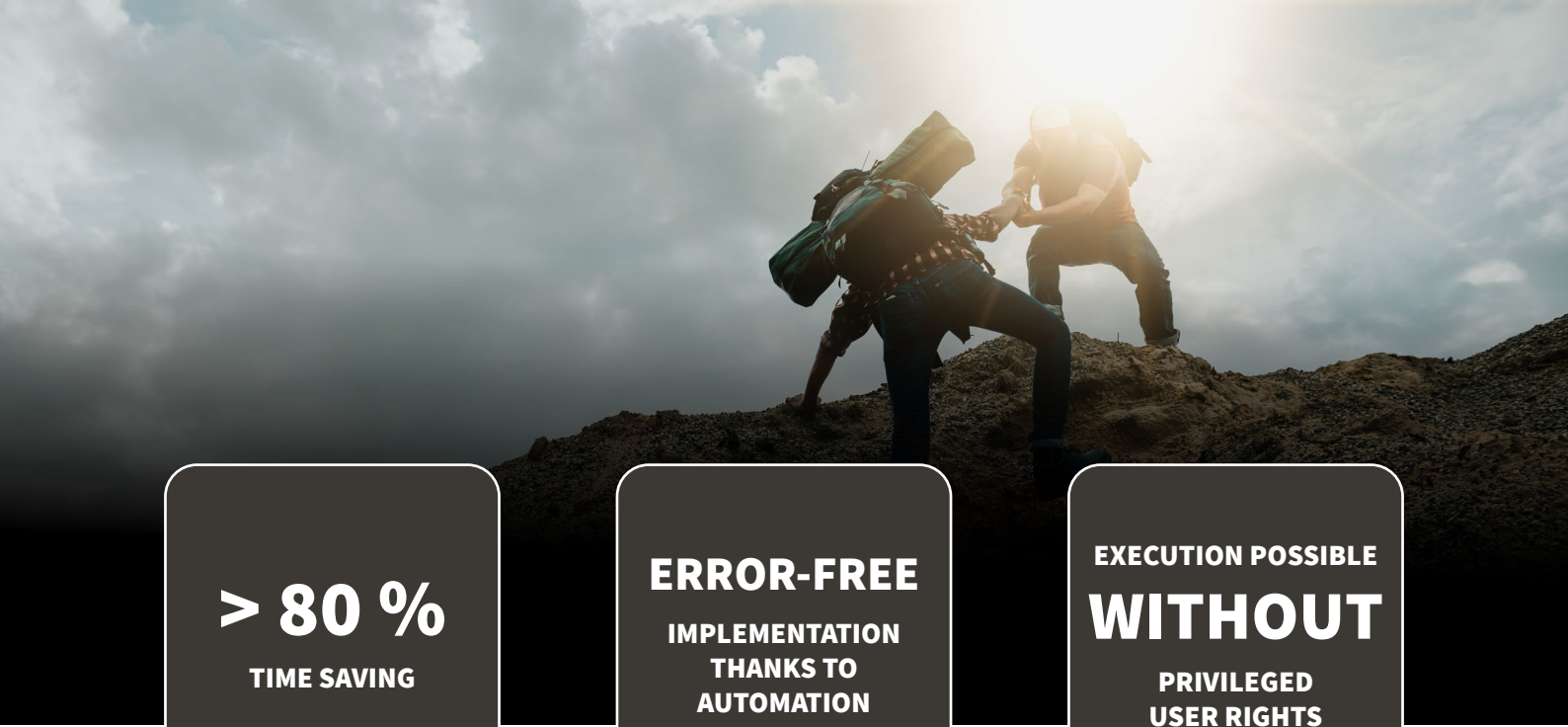
AT A GLANCE

SECTOR

Automotive manufacturing

REQUIREMENTS

Successful domain join after Microsoft patch installation (CVE-2022-38042) with new hardening measure

SOLUTION

Automated configuration adjustment by ondeso SR with flexible execution options

> 80 %
TIME SAVING

ERROR-FREE
IMPLEMENTATION
THANKS TO
AUTOMATION

EXECUTION POSSIBLE
WITHOUT
PRIVILEGED
USER RIGHTS

AUTOMATION, EFFICIENCY, SUCCESS

Andreas Decker, OT consultant at ondeso, echoes the words of the automotive manufacturer's operations engineer: "Manual implementation would have taken over 9 months, but with ondeso SR this project was completed in just 2 months."

In addition to time savings of over 80 %, he emphasizes the error-free implementation thanks to automation. Particularly noteworthy is the fact that execution is possible without technical know-how or privileged user rights, which makes ondeso SR an extremely user-friendly and highly efficient solution for the car manufacturer.

Andreas Decker
OT-Consultant at ondeso

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ondeso develops software products especially in the field of operational technology and Industry 4.0 and supports the automation of OT client management in production. For years, plant operators as well as machine and plant manufacturers have trusted in ondeso products, which are are suited for all industries and can be used across the entire range of production systems and processes. 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 want to make the client management of your industrial PCs more efficient?

Contact us now and arrange a free software demo to get an idea of ondeso SR.

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