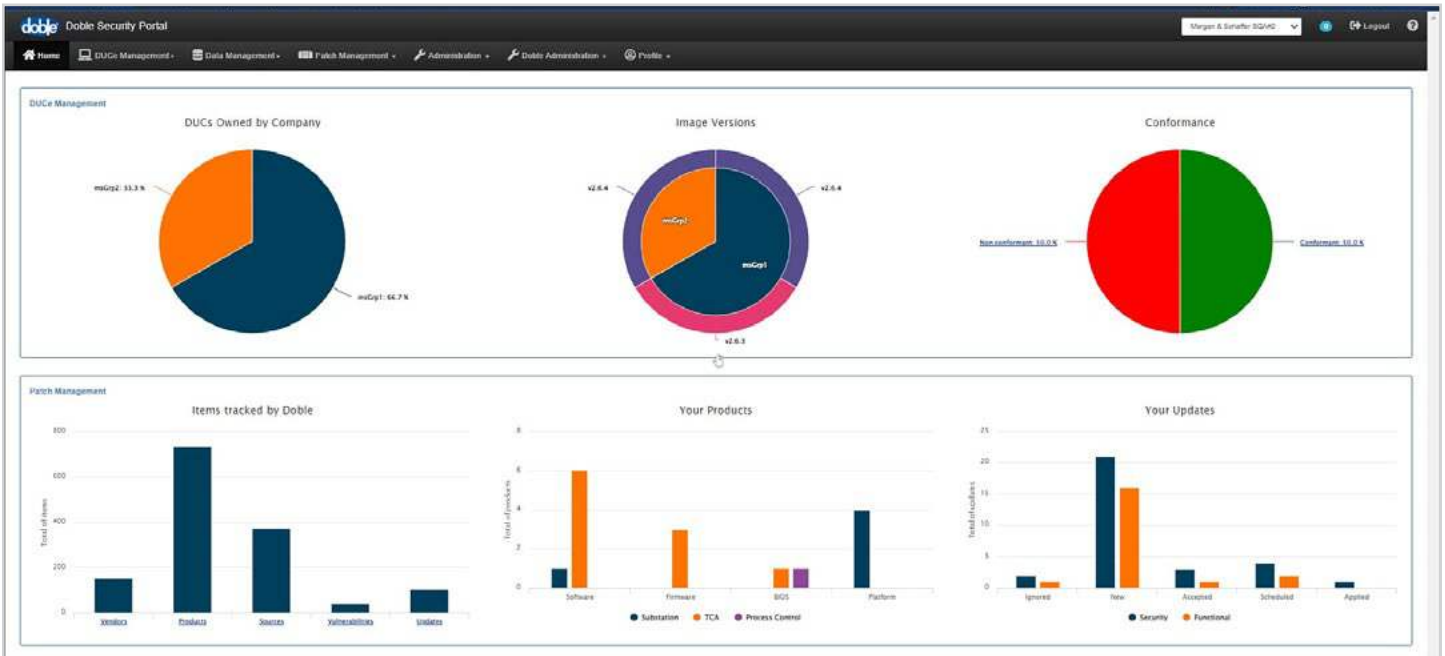


PatchAssure™

Managed Security Software Patching

CENTRAL UPDATE MANAGEMENT FROM A SECURE PORTAL



Doble PatchAssure™ is a portal-based management solution that ensures IT and Compliance teams meet NERC CIP security patch and software update requirements easily, efficiently and economically. Cybersecurity experts from Doble consult with you to identify which of your cyber system products to include in your profile, then they prepare your Doble Security Portal™ access where you can login to see your CIP-reportable elements, including your transient cyber asset (TCA) fleet, and make clear-headed decisions on matters requiring your attention. Recommendations from Doble help you know when deployments are critical and which devices they affect. Workflow and compliance evidence are at your fingertips.

FEATURES

- Covers all aspects of patch management, from discovery to delivery.
- Covers all types of cyber assets, including substation devices and transient cyber asset (TCA) field computers.
- Covers all types of product updates, including security and functional enhancements.
- Modern, easy-to-use Doble Security Portal™ with comprehensive management and reporting of fleet devices and updates.

BENEFITS

- Considerable cost and resource savings compared to in-house programs.
- Quicker discovery of vulnerabilities, patches, and emerging information.
- High degree of traceability and efficiency.
- On-demand evidence for NERC CIP audits.
- Doble expertise and support every step of the way.

DOBLE PatchAssure™

PatchAssure is a “one-stop shop” portal-based solution for software version and security patch management. Experts from Doble monitor for the availability of updates from hundreds of sources and provide notice via the Doble Security Portal to utility administrators which includes analytics and recommendations. The multi-factor authentication the Doble Security Portal provides prevents unauthorized access to clients’ CIP asset information.



MONITORING

- Regular intervals of patch checking for asset inventory
- Software functional update availability for applications
- Advisories concerning patches and updates



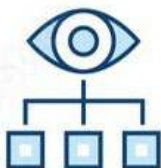
ANALYSIS

- Purpose and criticality of patches and updates
- Cyber security vulnerabilities addressed by patches and updates
- Validation of patch and update sources - URLs, RSS feeds, email lists, etc.



QUESTIONS TO ASK

- Does the patch address a security vulnerability or weakness?
- Does the patch offer a new security feature or improved software performance?



VISIBILITY

- Individual decisions on patching/updating and timelines
- Lifecycle of patches and updates - New, Accepted, Scheduled, etc.
- History of patches and updates by product



TRACKING

- On-demand access to patch, update, and TCA details
- Workflow actions regarding patches, updates and TCAs
- Management of users and notifications

Vendor	Product	Product Type	Latest Version	Release Date	Source	Email	Last Checked	Verified State	New Update?
Microsoft	NET Framework 4 Client Profile	Driver			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Microsoft	NET Framework 4 Client Profile	Software			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Microsoft	NET Framework 4 Main-Server	Software			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Microsoft	NET Framework 4.5 Main-Server	Software			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Microsoft	NET Framework 4.5.1 Main-Server	Software			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Microsoft	NET Framework 4.5.1 SDK	Software			https://www.microsoft.com/.../Download.aspx		August 25, 2022	Verified	Yes
Micro Integrated	1-1860 Drivers	Driver	4.03	January 1, 1999	https://www.microintegrated.com/.../products.html		August 16, 2022	Verified	Yes
Altair Systems	19930	Firmware			https://www.altair.com/.../products.html		July 27, 2022	Verified	Yes
Check Point	10000 Support Appliances	Firmware	R77.20.07.0400	February 4, 2021	https://support.checkpoint.com/.../products.html		August 25, 2022	Verified	Yes
Interneer Electric	540P202420	Firmware			https://www.interneerelectric.com/.../products.html		August 24, 2022	Verified	Yes

PatchAssure Updates Report

Updates found between 11/14/2021 - 11/21/2021

Prepared For: Demo-Customer

Prepared By: Doble Cyber Security Team
Doble Engineering Company | Tel: (617) 926-4900 | Email: patchassure@doble.com

Vulnerability: Dell Latitude 14 Rugged Extreme 7414 System BIOS v1.31.0

Description:
1. CVE-2021-0117
2. CVE-2021-0118
1. Unauthorized control flow management in the BIOS firmware for some Latitude Processors may allow a privileged user to potentially enable escalation of privilege via local access.
2. Interrupt input vulnerabilities in the BIOS firmware for some Latitude Processors may allow a privileged user to potentially enable escalation of privilege via local access.
<https://www.cisa.gov/usnc/operations/alert/bios-security-center/bios-vuln-cv-2021-00531.html>

Work:
Work in the evidence for this verification.

Doble Engineering Company
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REPORTING

- Weekly report of relevant patches/updates, vulnerabilities, and advisories
- Proof that patches and updates were applied and sources were checked
- Auditable evidence that meets or exceeds NERC CIP requirements

Digital Signature Check

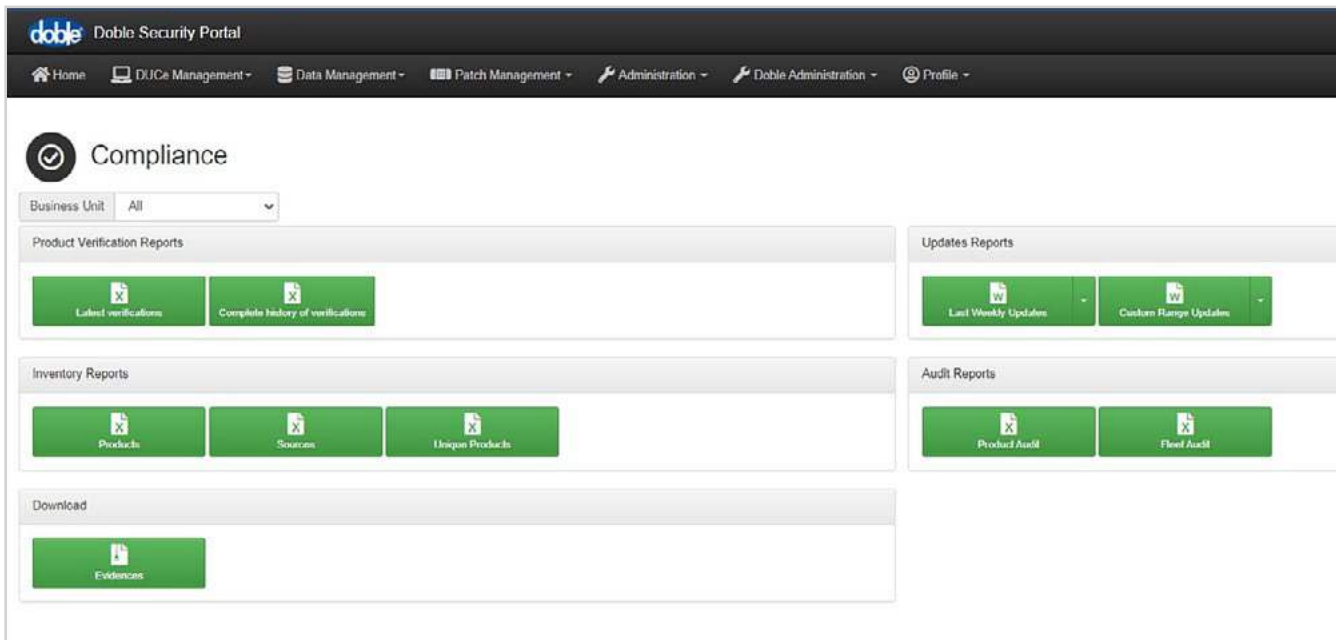
The following is the evidence of digital signature verification:

02:38:14 pm
Friday, November 19, 2021

02:36:42 pm
Friday, November 19, 2021

NERC CIP COMPLIANCE READINESS

Leverage the tracking and reporting tools that PatchAssure provides to improve your company's NERC CIP-7 and NERC CIP-10 compliance stance:



CIP-007-6 R2 - Security Patch Management

Patch sources being tracked must be documented; at least once every 35 days, patches must be evaluated for applicability; within 35 following evaluation, patches must either be applied, or create a dated mitigation plan, or revise an existing mitigation plan.

1. Patch sources are documented and also monitored for availability of patches.
2. Patches retrieved are analyzed for applicability and recommendations are given per classification criteria being met. Patch sources are checked weekly.

CIP-010-3 R1 1.6 - Configuration Change Management and Vulnerability Assessments

Software being patched must be verified for integrity and the source must be identified.

1. Patch integrity verifications are performed.
2. Patch sources are identified.
3. Details are provided in weekly reports.



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Specifications are subject to change without notice.

Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company.

Doble is an ESCO Technologies Company.

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