



NCSC-2024-0390

Kwetsbaarheden verholpen in Siemens producten

NCSC Advisory

Prioriteit: Normaal

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TLP:WHITE

Toegestane verspreiding van TLP:WHITE

(Traffic Light Protocol)

Deze handreiking bevat het label TLP:WHITE en wordt door het NCSC verspreid. Het NCSC gebruikt het Traffic Light Protocol (TLP) om eenduidig te definiëren wat er met de informatie mag gebeuren. Wanneer informatie is voorzien van een TLP-aanduiding weet u met wie u deze informatie mag delen. Dit staat beschreven in de standaard First (www.first.org/tlp).

Ontvangers van TLP:WHITE mogen de informatie publiek verspreiden.

Uw reacties zijn welkom op info@ncsc.nl

Feiten

Siemens heeft kwetsbaarheden verholpen in diverse producten als Questa/ModelSIM, RUGGEDCOM, SENTRON, SIMATIC, SINEC, Tecnomatix en Teamcenter.

Duiding

De kwetsbaarheden stellen een kwaadwillende mogelijk in staat aanvallen uit te voeren die kunnen leiden tot de volgende categorieën schade:

- Denial-of-Service (DoS)
- Manipulatie van gegevens
- Omzeilen van een beveiligingsmaatregel
- Omzeilen van authenticatie
- (Remote) code execution (Administrator/Root rechten)
- (Remote) code execution (Gebruikersrechten)
- Toegang tot systeemgegevens
- Verhoogde gebruikersrechten

De kwaadwillende heeft hiervoor toegang nodig tot de productieomgeving. Het is goed gebruik een dergelijke omgeving niet publiek toegankelijk te hebben.

Oplossingen

Siemens heeft beveiligingsupdates uitgebracht om de kwetsbaarheden te verhelpen. Voor de kwetsbaarheden waar nog geen updates voor zijn, heeft Siemens mitigerende maatregelen gepubliceerd om de risico's zoveel als mogelijk te beperken. Zie de bijgevoegde referenties voor meer informatie.

Referenties

- <https://cert-portal.siemens.com/productcert/pdf/ssa-054046.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-254396.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-340240.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-368868.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-426509.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-430425.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-583523.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-626178.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-850560.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-852501.pdf>
- <https://cert-portal.siemens.com/productcert/pdf/ssa-876787.pdf>

➤ <https://cert-portal.siemens.com/productcert/pdf/ssa-959281.pdf>

Kwetsbaarheden

CVE	CVSS Score
➤ CVE-2023-6874	8.6 HIGH
➤ CVE-2024-4465	6.0 MEDIUM
➤ CVE-2024-37996	3.3 LOW
➤ CVE-2024-37997	7.8 HIGH
➤ CVE-2024-41798	9.8 CRITICAL
➤ CVE-2024-41902	7.8 HIGH
➤ CVE-2024-41981	
➤ CVE-2024-45181	8.8 HIGH
➤ CVE-2024-45182	6.5 MEDIUM
➤ CVE-2024-45463	7.8 HIGH
➤ CVE-2024-45464	7.8 HIGH
➤ CVE-2024-45465	7.8 HIGH
➤ CVE-2024-45466	7.8 HIGH
➤ CVE-2024-45467	7.8 HIGH
➤ CVE-2024-45468	7.8 HIGH
➤ CVE-2024-45469	7.8 HIGH
➤ CVE-2024-45470	7.8 HIGH
➤ CVE-2024-45471	7.8 HIGH
➤ CVE-2024-45472	7.8 HIGH

> CVE-2024-45473	7.8 HIGH
> CVE-2024-45474	7.8 HIGH
> CVE-2024-45475	7.8 HIGH
> CVE-2024-45476	3.3 LOW
> CVE-2024-46886	4.7 MEDIUM
> CVE-2024-46887	5.3 MEDIUM
> CVE-2024-47046	7.8 HIGH
> CVE-2024-47194	
> CVE-2024-47195	6.7 MEDIUM
> CVE-2024-47196	6.7 MEDIUM
> CVE-2024-47553	9.9 CRITICAL
> CVE-2024-47562	8.8 HIGH
> CVE-2024-47563	
> CVE-2024-47565	4.3 MEDIUM

CWE's

CWE	Beschrijving
> CVE-754	Improper Check for Unusual or Exceptional Conditions
> CVE-312	Cleartext Storage of Sensitive Information
> CVE-476	NULL Pointer Dereference
> CVE-863	Incorrect Authorization
> CVE-121	Stack-based Buffer Overflow
> CVE-183	Permissive List of Allowed Inputs
> CVE-88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')

› CWE-427	Uncontrolled Search Path Element
› CWE-601	URL Redirection to Untrusted Site ('Open Redirect')
› CWE-288	Authentication Bypass Using an Alternate Path or Channel
› CWE-77	Improper Neutralization of Special Elements used in a Command ('Command Injection')
› CWE-125	Out-of-bounds Read
› CWE-119	Improper Restriction of Operations within the Bounds of a Memory Buffer
› CWE-22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')
› CWE-787	Out-of-bounds Write

Getroffen producten

siemens
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simatic_s7-1500_cpu_1512sp-1_pn__6es7512-1dk01-0ab0_
simatic_s7-1500_cpu_1512sp-1_pn__6es7512-1dm03-0ab0_
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simatic_s7-1500_cpu_1512sp_f-1_pn__6es7512-1sk01-0ab0_
simatic_s7-1500_cpu_1512sp_f-1_pn__6es7512-1sm03-0ab0_
simatic_s7-1500_cpu_1513-1_pn
simatic_s7-1500_cpu_1513-1_pn__6es7513-1al01-0ab0_
simatic_s7-1500_cpu_1513-1_pn__6es7513-1al02-0ab0_

simatic_s7-1500_cpu_1513-1_pn__6es7513-1am03-0ab0_
simatic_s7-1500_cpu_1513f-1_pn
simatic_s7-1500_cpu_1513f-1_pn__6es7513-1fl01-0ab0_
simatic_s7-1500_cpu_1513f-1_pn__6es7513-1fl02-0ab0_
simatic_s7-1500_cpu_1513f-1_pn__6es7513-1fm03-0ab0_
simatic_s7-1500_cpu_1513pro-2_pn
simatic_s7-1500_cpu_1513pro-2_pn__6es7513-2pm03-0ab0_
simatic_s7-1500_cpu_1513pro_f-2_pn
simatic_s7-1500_cpu_1513pro_f-2_pn__6es7513-2gm03-0ab0_
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simatic_s7-1500_software_controller_v3
simatic_s7- plcsim_advanced
simcenter_nastran_2306
simcenter_nastran_2312
simcenter_nastran_2406
sinec_security_monitor
siplus_et_200sp_cpu_1510sp-1_pn
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