



CVE-2022-40176

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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:31/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H



Certain versions of [Designo Pxm30-1](#) from [Siemens](#) contain the following vulnerability:

A vulnerability has been identified in Designo PXM30-1 (All versions < V02.20.126.11-41), Designo PXM30.E (All versions < V02.20.126.11-41), Designo PXM40-1 (All versions < V02.20.126.11-41), Designo PXM40.E (All versions < V02.20.126.11-41), Designo PXM50-1 (All versions < V02.20.126.11-41), Designo PXM50.E (All versions <

V02.20.126.11-41), PXG3.W100-1 (All versions < V02.20.126.11-37), PXG3.W100-2 (All versions < V02.20.126.11-41), PXG3.W200-1 (All versions < V02.20.126.11-37), PXG3.W200-2 (All versions < V02.20.126.11-41). There exists an Improper Neutralization of Special Elements used in an OS Command with root privileges during a restore operation due to the missing validation of the names of files included in the input package. By restoring a specifically crafted package, a remote low-privileged attacker can execute arbitrary system commands with root privileges on the device, leading to a full compromise.

CVE-2022-40176 has been assigned by [S](#) productcert@siemens.com to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	LOW	REQUIRED
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVE References

Description	Tags	Link
	cert-portal.siemens.com application/pdf	MISC cert-portal.siemens.com/productcert/pdf/ssa-360783.pdf

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that

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Related QID Numbers

[591423](#) Siemens Designo Control Point Devices (PXM and PXG3) Webserver Multiple Security Vulnerabilities (SSA-360783)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Siemens	Designo Pxm30-1	-	All	All	All
Operating System	Siemens	Designo Pxm30-1 Firmware	All	All	All	All
Hardware 	Siemens	Designo Pxm30.e	-	All	All	All
Operating System	Siemens	Designo Pxm30.e Firmware	All	All	All	All
Hardware 	Siemens	Designo Pxm40-1	-	All	All	All
Operating System	Siemens	Designo Pxm40-1 Firmware	All	All	All	All
Hardware 	Siemens	Designo Pxm40.e	-	All	All	All
Operating System	Siemens	Designo Pxm40.e Firmware	All	All	All	All
Hardware 	Siemens	Designo Pxm50-1	-	All	All	All
Operating System	Siemens	Designo Pxm50-1 Firmware	All	All	All	All
Hardware 	Siemens	Designo Pxm50.e	-	All	All	All
Operating System	Siemens	Designo Pxm50.e Firmware	All	All	All	All
Hardware 	Siemens	Pxg3.w100-1	-	All	All	All
Operating System	Siemens	Pxg3.w100-1 Firmware	All	All	All	All
Hardware 	Siemens	Pxg3.w100-2	-	All	All	All
Operating System	Siemens	Pxg3.w100-2 Firmware	All	All	All	All
Hardware 	Siemens	Pxg3.w200-1	-	All	All	All
Operating System	Siemens	Pxg3.w200-1 Firmware	All	All	All	All
Hardware 	Siemens	Pxg3.w200-2	-	All	All	All
Operating System	Siemens	Pxg3.w200-2 Firmware	All	All	All	All

cpe:2.3:h:siemens:designo_pxm30-1:-:*:*:*:*:*:

cpe:2.3:o:siemens:desigo_pxm30-1_firmware:*****:
cpe:2.3:h:siemens:desigo_pxm30.e:-:*****:
cpe:2.3:o:siemens:desigo_pxm30.e_firmware:*****:
cpe:2.3:h:siemens:desigo_pxm40-1:-:*****:
cpe:2.3:o:siemens:desigo_pxm40-1_firmware:*****:
cpe:2.3:h:siemens:desigo_pxm40.e:-:*****:
cpe:2.3:o:siemens:desigo_pxm40.e_firmware:*****:
cpe:2.3:h:siemens:desigo_pxm50-1:-:*****:
cpe:2.3:o:siemens:desigo_pxm50-1_firmware:*****:
cpe:2.3:h:siemens:desigo_pxm50.e:-:*****:
cpe:2.3:o:siemens:desigo_pxm50.e_firmware:*****:
cpe:2.3:h:siemens:pxg3.w100-1:-:*****:
cpe:2.3:o:siemens:pxg3.w100-1_firmware:*****:
cpe:2.3:h:siemens:pxg3.w100-2:-:*****:
cpe:2.3:o:siemens:pxg3.w100-2_firmware:*****:
cpe:2.3:h:siemens:pxg3.w200-1:-:*****:
cpe:2.3:o:siemens:pxg3.w200-1_firmware:*****:
cpe:2.3:h:siemens:pxg3.w200-2:-:*****:
cpe:2.3:o:siemens:pxg3.w200-2_firmware:*****:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-40176 : A vulnerability has been identified in Designo PXM30-1 All versions < V02.20.126.11-41 , Designo PX... twitter.com/i/web/status/1...	2022-10-11 10:26:26
 /r/netcve	CVE-2022-40176	2022-10-11 10:38:28

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