



# CVE-2021-31894

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

|                        |  |
|------------------------|--|
| <b>CVE</b>             | CVE-2021-31894   |
| <b>State</b>           | PUBLIC   |
| <b>Assigner</b>        | productcert@siemens.com  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback   |
| <b>Published</b>       | 2021-07-13 11:15:00 UTC  |
| <b>Updated</b>         | 2022-08-10 20:28:00 UTC  |
| <b>Description</b>     | A vulnerability has been identified in SIMATIC PCS 7 V8.2 and earlier (All versions), SIMATIC PCS 7 V9.X (All versions < V |

## Risk And Classification

**Problem Types:** CWE-732

## NVD Known Affected Configurations (CPE 2.3)

| Type             | Vendor  | Product                   | Version | Update  | Edition | Language |
|------------------|---------|---------------------------|---------|---------|---------|----------|
| Hardware         | Siemens | Simatic Pcs 7             | -       | All     | All     | All      |
| Operating System | Siemens | Simatic Pcs 7 Firmware    | 9.0     | All     | All     | All      |
| Operating System | Siemens | Simatic Pcs 7 Firmware    | All     | All     | All     | All      |
| Hardware         | Siemens | Simatic Pdm               | -       | All     | All     | All      |
| Operating System | Siemens | Simatic Pdm Firmware      | -       | All     | All     | All      |
| Hardware         | Siemens | Simatic Step 7            | -       | All     | All     | All      |
| Operating System | Siemens | Simatic Step 7 Firmware   | All     | All     | All     | All      |
| Hardware         | Siemens | Sinamics Starter          | -       | All     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | All     | All     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | -       | All     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | -       | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | hf1     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | hf2     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | sp1     | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | sp1_hf1 | All     | All      |
| Operating System | Siemens | Sinamics Starter Firmware | 5.4     | sp2     | All     | All      |

## References

| Reference                | Source  | Link  | Tags                |
|--------------------------|---------|---|---------------------|
| N/A                      | CONFIRM | <a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a> |                     |
| CVE Program record       | CVE.ORG | <a href="https://www.cve.org">www.cve.org</a>                         | canonical           |
| NVD vulnerability detail | NVD     | <a href="https://nvd.nist.gov">nvd.nist.gov</a>                       | canonical, analysis |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[590552](#) Siemens SIMATIC Software Products (Update A) Incorrect Permission Assignment for Critical Resource Vulnerability (ICSA-21-194-06)

[591174](#) Siemens SIMATIC PCS 7, Step 7, Starter Incorrect Permission Assignment Vulnerability (SSA-661034)

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