



CVE-2021-28861

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2021-28861
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-23 01:15:00 UTC
Updated	2023-11-07 03:32:00 UTC
Description	** DISPUTED ** Python 3.x through 3.10 has an open redirection vulnerability in lib/http/server.py due to no protection agai

Risk And Classification

Problem Types: CWE-601

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Operating System	Fedoraproject	Fedora	37	All	All	All
Application	Python	Python	All	All	All	All
Application	Python	Python	3.11.0	alpha1	All	All
Application	Python	Python	3.11.0	alpha2	All	All
Application	Python	Python	3.11.0	alpha3	All	All
Application	Python	Python	3.11.0	alpha4	All	All
Application	Python	Python	3.11.0	alpha5	All	All
Application	Python	Python	3.11.0	alpha6	All	All
Application	Python	Python	3.11.0	alpha7	All	All
Application	Python	Python	3.11.0	beta1	All	All
Application	Python	Python	3.11.0	beta2	All	All
Application	Python	Python	3.11.0	beta3	All	All

References

Reference

Issue 43223: [security] http.server: Open Redirection if the URL path starts with // - Python tracker

[SECURITY] Fedora 35 Update: pypy3.8-7.3.9-5.3.8.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: pypy3.7-7.3.9-4.3.7.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 35 Update: pypy3.9-7.3.9-4.3.9.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: mingw-python3-3.10.8-1.fc36 - package-announce - Fedora Mailing-Lists

bpo-43223: [SECURITY] Patched Open Redirection In SimpleHTTPServer Module by hamzaavvan · Pull Request #24848 · python/cpython · C

[SECURITY] Fedora 37 Update: python3.6-3.6.15-12.fc37 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 35 Update: python3.9-3.9.14-1.fc35 - package-announce - Fedora Mailing-Lists

gh-87389: Fix an open redirection vulnerability in http.server. by gpshead · Pull Request #93879 · python/cpython · GitHub

FEDORA-2022-7fff0f2b0b

[SECURITY] Fedora 35 Update: pypy3.7-7.3.9-4.3.7.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: python3.6-3.6.15-11.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: mingw-python3-3.10.8-1.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: pypy3.8-7.3.9-5.3.8.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 37 Update: pypy3.9-7.3.9-4.3.9.fc37 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 37 Update: pypy3.8-7.3.9-5.3.8.fc37 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: python3.6-3.6.15-11.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: pypy3.8-7.3.9-5.3.8.fc36 - package-announce - Fedora Mailing-Lists

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Python, PyPy3: Multiple Vulnerabilities (GLSA 202305-02) — Gentoo security

[SECURITY] Fedora 37 Update: mingw-python3-3.10.8-1.fc37 - package-announce - Fedora Mailing-Lists

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[SECURITY] Fedora 35 Update: python3.6-3.6.15-5.fc35 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: pypy3.7-7.3.9-4.3.7.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 37 Update: mingw-python3-3.10.8-1.fc37 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 36 Update: pypy3.9-7.3.9-4.3.9.fc36 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 37 Update: pypy3.8-7.3.9-5.3.8.fc37 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 35 Update: python3.9-3.9.14-1.fc35 - package-announce - Fedora Mailing-Lists

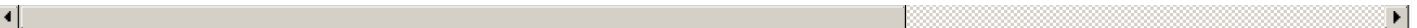
[SECURITY] Fedora 35 Update: python3.6-3.6.15-5.fc35 - package-announce - Fedora Mailing-Lists

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[SECURITY] Fedora 36 Update: pypy3.9-7.3.9-4.3.9.fc36 - package-announce - Fedora Mailing-Lists

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160271](#) Oracle Enterprise Linux Security Update for python3.9 (ELSA-2022-8353)

[160473](#) Oracle Enterprise Linux Security Update for python3 (ELSA-2023-0833)

[160651](#) Oracle Enterprise Linux Security Update for python38:3.8 and python38-devel:3.8 (ELSA-2023-2763)

[160687](#) Oracle Enterprise Linux Security Update for python39:3.9 and python39-devel:3.9 (ELSA-2023-2764)

[199497](#) Ubuntu Security Notification for Python Vulnerabilities (USN-5888-1)

[240700](#) Red Hat Update for rh-python38-python (RHSA-2022:6766)

[240914](#) Red Hat Update for python3.9 security (RHSA-2022:8353)

[241211](#) Red Hat Update for python3 (RHSA-2023:0833)

[241481](#) Red Hat Update for python38:3.8 and python38-devel:3.8 (RHSA-2023:2763)

[241507](#) Red Hat Update for python39:3.9 and python39-devel:3.9 (RHSA-2023:2764)

[283111](#) Fedora Security Update for python3.8 (FEDORA-2022-29d436596f)

[283112](#) Fedora Security Update for python3.7 (FEDORA-2022-8535093cba)

[283139](#) Fedora Security Update for python3.9 (FEDORA-2022-f511f8f58b)

[283159](#) Fedora Security Update for python3.6 (FEDORA-2022-a27e239f5a)

[283160](#) Fedora Security Update for python3.6 (FEDORA-2022-a2be4bd5d8)

[283220](#) Fedora Security Update for pypy3.8 (FEDORA-2022-fde69532df)

[283221](#) Fedora Security Update for pypy3.8 (FEDORA-2022-15f1aa7dc7)

[283225](#) Fedora Security Update for pypy3.9 (FEDORA-2022-4ac2e16969)

[283231](#) Fedora Security Update for pypy3.9 (FEDORA-2022-61d8e8d880)

[283247](#) Fedora Security Update for pypy3.7 (FEDORA-2022-2173709172)

[283248](#) Fedora Security Update for pypy3.7 (FEDORA-2022-01d5789c08)

[283294](#) Fedora Security Update for mingw (FEDORA-2022-d1682fef04)

[283444](#) Fedora Security Update for mingw (FEDORA-2022-79843dfb3c)

[283483](#) Fedora Security Update for pypy3.9 (FEDORA-2022-7ca361a226)

[283484](#) Fedora Security Update for pypy3.8 (FEDORA-2022-20116fb6aa)

[285297](#) Fedora Security Update for pypy3.10 (FEDORA-2023-ddde191e04)

672260 EulerOS Security Update for python3 (EulerOS-SA-2022-2661)
672314 EulerOS Security Update for python3 (EulerOS-SA-2022-2693)
672343 EulerOS Security Update for python3 (EulerOS-SA-2022-2773)
672368 EulerOS Security Update for python3 (EulerOS-SA-2022-2738)
672399 EulerOS Security Update for python3 (EulerOS-SA-2022-2805)
710714 Gentoo Linux Python, PyPy3 Multiple Vulnerabilities (GLSA 202305-02)
752642 SUSE Enterprise Linux Security Update for python36 (SUSE-SU-2022:3483-1)
752643 SUSE Enterprise Linux Security Update for python39 (SUSE-SU-2022:3485-1)
752652 SUSE Enterprise Linux Security Update for python (SUSE-SU-2022:3512-1)
752656 SUSE Enterprise Linux Security Update for python3 (SUSE-SU-2022:3511-1)
752661 SUSE Enterprise Linux Security Update for python3 (SUSE-SU-2022:3544-1)
752667 SUSE Enterprise Linux Security Update for python (SUSE-SU-2022:3553-1)
752672 SUSE Enterprise Linux Security Update for python3 (SUSE-SU-2022:3593-1)
752676 SUSE Enterprise Linux Security Update for python (SUSE-SU-2022:3512-2)
752687 SUSE Enterprise Linux Security Update for python3 (SUSE-SU-2022:3511-2)
902780 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10625)
902788 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10618)
903967 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10618-1)
903988 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10625-1)
940790 AlmaLinux Security Update for python3.9 (ALSA-2022:8353)
940928 AlmaLinux Security Update for python3 (ALSA-2023:0833)
941099 AlmaLinux Security Update for python39:3.9 and python39-devel:3.9 (ALSA-2023:2764)
941101 AlmaLinux Security Update for python38:3.8 and python38-devel:3.8 (ALSA-2023:2763)
960542 Rocky Linux Security Update for python3.9 (RLSA-2022:8353)
960653 Rocky Linux Security Update for python3 (RLSA-2023:0833)

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