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RHSA



4-04-16

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Security

Topic

A security update is now available for Red Hat Single Sign-On 7.6 from the Customer Portal.

This is an enhancement and security update with Important impact rating and package name 'rh-sso7-keycloak'. A Common Vulnerability Scoring System (CVSS) base score, which gives a detailed severity rating, is available for each vulnerability from the CVE link(s) in the References section.

Description

Red Hat Single Sign-On 7.6 is a standalone server, based on the Keycloak project, that provides authentication and standards-based single sign-on capabilities for web and mobile applications.

This release of Red Hat Single Sign-On 7.6.8 serves as a replacement for Red Hat Single Sign-On 7.6.7, and includes bug fixes, security updates and enhancements which are linked to in the References.

Security Fix(es):

- Authorization Bypass (CVE-2023-6544)

- Log Injection during WebAuthn authentication or registration (CVE-2023-6484)
- path transversal in redirection validation (CVE-2024-1132)
- unvalidated cross-origin messages in checkLoginIframe leads to DDoS (CVE-2024-1249)
- undertow: Out-of-memory Error after several closed connections with wildfly-http-client protocol (CVE-2024-1635)

For more details about the security issue(s), including the impact, a CVSS score, and other related information, refer to the CVE page(s) listed in the References section.

Solution

Before applying the update, back up your existing installation, including all applications, configuration files, databases and database settings, and so on.

The References section of this erratum contains a download link (you must log in to download the update).

Affected Products

- Red Hat Single Sign-On Text-Only Advisories x86_64

Fixes

- [BZ - 2248423](#) - CVE-2023-6484 keycloak: Log Injection during WebAuthn authentication or registration
- [BZ - 2253116](#) - CVE-2023-6544 keycloak: Authorization Bypass
- [BZ - 2262117](#) - CVE-2024-1132 keycloak: path transversal in redirection validation
- [BZ - 2262918](#) - CVE-2024-1249 keycloak: org.keycloak.protocol.oidc: unvalidated cross-origin messages in checkLoginIframe leads to DDoS
- [BZ - 2264928](#) - CVE-2024-1635 undertow: Out-of-memory Error after several closed connections with wildfly-http-client protocol

CVEs

- [CVE-2023-3597](#)
- [CVE-2023-6484](#)
- [CVE-2023-6544](#)
- [CVE-2024-1132](#)
- [CVE-2024-1249](#)
- [CVE-2024-1635](#)

References

- <https://access.redhat.com/security/updates/classification/#important>

The Red Hat security contact is secalert@redhat.com. More contact details at <https://access.redhat.com/security/team/contact/>.



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