Shibboleth SP - C++
Software project

Reports

Issues

Components

Projects / 🔥 Shibboleth SP - C++ / 🟥 SSPCPP-927

Check for missing DataSealer during cookie recovery

General   Technical   Logistics

Description

We're migrating our reverse proxy from shibd 2.x to a newer setup, as traffic hits apache (200/300 req/sec) we start to have segmentation fault during request processing.

It seems something related to the session recover, which is not configured and we don't use (we don't have a data sealer configured).

We tried to downgrade from 3.2 to 3.1 then 3.0.4 but we face the same problem in the same function.

We're using apache and changed mpm_event to mpm_worker.

We're using OEL 8.3, which should be binary compatible with RHEL and Centos, I know this is an unsupported configuration.

Here's the traceback of shibd 3.1 (shibboleth-3.1.0-3.1.x86_64.rpm).

Core was generated by `/usr/sbin/shibd -f -F'.
Program terminated with signal SIGSEGV, Segmentation fault.
#0 0x00007fbc08a35716 in **shibsp::SSCache::recover** (this=0x559f7a02e7e0, app=..., key=0x7fbb8403b910 "_0d5975c944b57a19b5cfd37c3cfe99da", data=0x7fbb8408cb00
"1%3AgwTo%2FTos65aTSxMxw8WGJifjQME8ziyCdJDdlwghpWmYBd%2BUkjKoz4Phg75EBE3AzretN3FW MKmr%0A%2FPw8cEpbEJ2N5IWtbezvMVM6HjBOV7rpqFG7q9G%2FGbyh%2BqTD%2BEOPhPOz2dDcx mwFOtl1BMZNaMyV%0AdyGUpZHuWmqqDx%2BRzTnlx%2F"...)
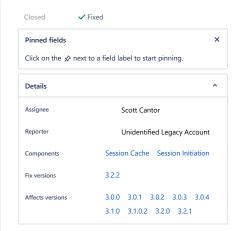at impl/StorageServiceSessionCache.cpp:1176
1176 unwrapped = XMLToolingConfig::getConfig().getDataSealer()->unwrap(dup);
[Current thread is 1 (Thread 0x7fbb7a7fc700 (LWP 19469))]
Missing separate debuginfos, use: yum debuginfo-install brotli-1.0.6-2.el8.x86_64 cyrus-sasl-lib-2.1.27-5.el8.x86_64 glibc-2.28-127.0.3.el8_3.2.x86_64 keyutils-libs-1.5.10-6.el8.x86_64 krb5-libs-1.18.2-5.el8.x86_64 libblkid-2.32.1-24.el8.x86_64 libcap-2.26-4.el8.x86_64 libcom_err-1.45.6-1.el8.x86_64 libcurl-7.61.1-14.el8_3.1.x86_64 libgcc-8.3.1-5.1.0.2.el8.x86_64 libgcrypt-1.8.5-4.el8.x86_64 libgpg-error-1.31-1.el8.x86_64 libidn2-2.2.0-1.el8.x86_64 liblog4shib2-2.0.0-4.1.x86_64 libmount-2.32.1-24.el8.x86_64 libnghttp2-1.33.0-3.el8_2.1.x86_64 libpsl-0.20.2-6.el8.x86_64 libsaml11-3.1.0-3.2.x86_64 libselinux-2.9-4.el8.3.x86_64 libssh-0.9.4-2.el8.x86_64 libunistring-0.9.9-3.el8.x86_64 libuuid-2.32.1-24.el8.x86_64

Closed   ✓ Fixed

Pinned fields   ✕

Click on the 📌 next to a field label to start pinning.

Details   ⌃

Assignee	Scott Cantor
Reporter	Unidentified Legacy Account
Components	Session Cache Session Initiation
Fix versions	3.2.2
Affects versions	3.0.0 3.0.1 3.0.2 3.0.3 3.0.4
	3.1.0 3.1.0.2 3.2.0 3.2.1

Created April 22, 2021 at 9:56 AM
Updated August 6, 2021 at 5:49 PM
Resolved April 22, 2021 at 4:03 PM

⚙ Configure