

"AutoVue Viewer", "AutoVue 2D Viewer", "AutoVue 3D Viewer"

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This document provides mitigation steps to alleviate the impact associated with CVE-2021-44228, CVE-2021-45046, CVE-2021-45105, CVE-2021-44832 on affected Oracle AutoVue versions.

Refer to Apache Log4j 2 vulnerability described in Security Alert CVE-2021-44228, CVE-2021-45046, CVE-2021-45105, CVE-2021-44832 for more details.

Update log4j jar files

The Log4J files in the AutoVue executable directory can be replaced with Log4J version 2.17.1 jar files, which have disabled the feature causing the vulnerability. The updated versions are available [here](#). After downloading and verifying the integrity of the new Log4J files, replace the log4j-core.jar, log4j-api.jar and log4j-web.jar files in the "<AUTOVUESERVER_INSTALLDIR>/bin" directory with the new versions. The steps are as follows:

1. Stop the AutoVue server.
2. Backup the existing files log4j-core.jar, log4j-api.jar and log4j-web.jar located in the "<AUTOVUESERVER_INSTALLDIR>/bin" directory.
3. Download the Log4J version 2.17.1 jar files available [here](#).
4. Add the new log4j-core.jar, log4j-api.jar and log4j-web.jar files to the ""<AUTOVUESERVER_INSTALLDIR>/bin"" directory.
 - Example: (without any version number in the name):
If you find log4j-core.jar:
 1. Remove log4j-core.jar.
 2. Copy log4j-core-2.17.1.jar to the same location.
 3. Rename log4j-core-2.17.1.jar to log4j-core.jar.
5. Clear the contents of "<AUTOVUESERVER_INSTALLDIR>/Cache/" & "<AUTOVUESERVER_INSTALLDIR>/Logs/".
6. Restart the AutoVue server.

Update Log4j jars in the 3DEXPERIENCE MCS / FCS setup for AutoVue

The log4j jar files were copied manually to MCS and FCS during AutoVue configuration setup (Refer section 2.2.3 in the KB Article [here](#)).

This section is reproduced below for your quick reference.

2.2.3.

Copy Jar Files on MCS and FCS Copy the following jars from AutoVue server installation directory ("..\AutoVue\bin") to the ENOVIA Live Collaboration Server/Server Directory ("..\Server\STAGING\enovia\WEBINF\lib") or directly to (../apache-tomcat/webapps/<application name>/Web-INF/lib)

log4j-api.jar, log4j-core.jar, log4j-web.jar

These – log4j-api.jar, log4j-core.jar, log4j-web.jar files need to be replaced manually at the following locations, with the new log4j* jar files:

<3DSpace_WEBSERVER_DIRECTORY>/WEB-INF/lib

<FCS_WEBSERVER_DIRECTORY>/WEB-INF/lib

<SERVER_STAGING_DIR>/WEB-INF/lib

Steps to follow:

1. Stop 3DSpace and FCS services.
2. Backup the existing files log4j-core.jar, log4j-api.jar, log4j-web located at WEB-INF/lib.

3. Add the new log4j-core.jar, log4j-api.jar, log4-web files to the "WEB-INF/lib" directory (without any version number in the name).
4. Restart the 3DSpace and FCS Service.