

Apache Log4j Vulnerability Mitigation Instructions for Stature 4.8.1.0 and up

Sphera Recommends Testing all changes prior to deploying to production.

This is a manual update of the Apache Log4j library from version 2.13.0 to 2.16.0.

NOTE: Dependency per instance

- Service <ARA/Stature Name>
- Instance location <ARA/Stature Folder>
- Tomcat instance location <Tomcat Folder> different per release (e.g. tomcat-8.5.27 or tomcat-8.5.64)

Update Steps:

1. Download and extract apache-log4j-2.15.0-bin.zip from the SCN to the Stature server.
2. Stop <ARA/Stature Name> service
3. Locate *Log4j* jar files. Please backup these files to a location on the server.
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-1.2-api-2.13.0.jar
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-api-2.13.0.jar
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-core-2.13.0.jar
4. Replace files in Step 3 with download files in Step 1.
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-1.2-api-2.16.0.jar
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-api-2.16.0.jar
<ARA/Stature Folder>\StatureRoot\earstaging\stature\WEB-INF\lib\log4j-core-2.16.0.jar
5. Locate *server.xml* file:
<ARA/Stature Folder>\StatureRoot\platform\<Tomcat Folder>\conf\
6. Replace the below line:

pattern="%h %l %u %t "%r" %s %b"

with

pattern="%t %a %h %{X-Forwarded-For}i %H %m %l %U %q %r %s %b %{Referer}i %{User-Agent}i"

7. Save the server.xml file
8. Restart <ARA/Stature Name> service