Patch Apache Log4j 2 Vulnerability

There is a vulnerability for Apache Log4j 2 versions 2.0 to 2.17.0 that makes the utility more vulnerable to remote code execution attacks. While this vulnerability is not present in later version of Log4j 2, users with an affected version can patch against the vulnerability by following the below steps.

To patch the Log4j 2 vulnerability:

- 1. Stop all RiskVision services.
- 2. Back up the installation servers. By default these are located in the C:\Server, C:\ReportServer, and C:\ConnectorManager folders.
- 3. Download the latest log4j .jar files.
- 4. For each file path location in the below table, remove old log4j jars and place the new log4j jars as mentioned in the table .

AREA	FILE PATH LOCATION	OLD log4j JARS	NEW log4j JARS
RV	\install\shared\lib_repo	∘ log4j-core-2.9.1.jar	• log4j-core-2.17.1.jar
RV	\install\toolbox\lib	log4j-api-2.9.1.jarlog4j-core-2.9.1.jar	log4j-api-2.17.1.jarlog4j-core-2.17.1.jar
RV	\tomcat\lib	 log4j-api-2.9.1.jar log4j-core-2.9.1.jar 	log4j-api-2.17.1.jarlog4j-core-2.17.1.jar
RV	\tomcat\shared\lib_repo	• log4j-core-2.9.1.jar	• log4j-core-2.17.1.jar
RV	\Services\RC\temp\jetty-127.0.0.1-9080- agiliance_servicewarservice- anydir\webapp\WEB-INF\lib (Only available in RV 9.5 & 9.6)	∘ log4j-api-2.9.1.jar ∘ log4j-core-2.9.1.jar	 log4j-api-2.17.1.jar log4j-core-2.17.1.jar
RV	\Services\RC\lib\agiliance_servicewar\WEB- INF\lib	log4j-api-2.9.1.jarlog4j-core-2.9.1.jar	log4j-api-2.17.1.jarlog4j-core-2.17.1.jar
Connector Manager	\install\shared\lib_repo	∘ log4j-core-2.9.1.jar	∘ log4j-core-2.17.1.jar
Connector Manager	\Tomcat\lib	log4j-api-2.9.1.jarlog4j-core-2.9.1.jar	log4j-api-2.17.1.jarlog4j-core-2.17.1.jar
Connector Manager	\Tomcat\shared\lib_repo	∘ log4j-core-2.9.1.jar	∘ log4j-core-2.17.1.jar

5. Repeat step 4 for the backup folders created in step 2.

6. Restart Riskvision.



If the old log4j jars (log4j-core-2.9.1.jar & log4j-api-2.9.1.jar) still exist in locations other than those specified in the table, replace them with the new log4j jars (log4j-core-2.17.1.jar & log4j-api-2.17.1.jar).