

CATIA Magic and No Magic products affected by Log4j vulnerability - CVE-2021-44228, CVE-2021-45046, CVE-2021-44832

[updated on 2022 03 07 18:00 GMT+1]

For more information, see [CVE-2021-44228](#), [CVE-2021-45046](#), [CVE-2021-44832](#).

- [Change log](#)
- [Apache Log4j2 version 2.0-2.17.0](#) is a part of the following products. Action to perform.
 - CATIA Magic portfolio
 - No Magic portfolio
 - FlexNet Publisher
- [Apache Log4j2 version 2.0-2.17.0](#) is a part of the following products, however it is not used for logging. No action to perform.
 - CATIA Magic portfolio
 - No Magic portfolio
- The following products and versions are NOT affected. No action to perform.
 - CATIA Magic portfolio
 - No Magic portfolio
- [Remediation](#)
 - For modeling tools (Magic Software Architect, Magic Cyber Systems Engineer, Magic Systems of Systems Architect , MagicDraw, Cameo Systems Modeler, Cameo Enterprise Architecture)
 - For collaboration tools (Magic Collaboration Studio, Cameo Collaborator for Teamwork Cloud, Teamwork Cloud)

Change log

Timestamp	Description
2022 03 07 18:00 GMT+1	2021x Refresh1 HF2 and 2021x Refresh2 HF2 (hot fixes) with log4j 2.17.1 version are released as Remediation option. Also, log4j 1.2 version removed from these hotfixes. Added CVE-2021-44832 to vulnerability list.
2022 01 06 18:00 GMT+1	Updated log4j version from 2.17.0 to 2.17.1 for modeling and collaboration tools in Remediation . Added additional note for collaboration tools v19.0 SPx in Remediation .
2021 12 22 19:30 GMT+1	2021x Refresh1 and 2021x Refresh2 HF1 (hot fixes) with log4j 2.16.0 version are released as Remediation option.
2021 12 20 21:00 GMT+1	Updated Remediation options for modeling and collaboration tools.
2021 12 20 16:30 GMT+1	Added log4j version 2.17.0 for modeling and collaboration tools in Remediation .
2021 12 17 14:00 GMT+1	Updated Remediation options for modeling and collaboration tools.
2021 12 17 13:00 GMT+1	Updated log4j version from 2.15.0 to 2.16.0 for modeling and collaboration tools in Remediation .
2021 12 16 14:00 GMT+1	Added Cameo DataHub plugin to the list in Apache Log4j2 version 2.0-2.14.1 is a part of the following products, however it is not used for logging. No action to perform.
2021 12 16 14:00 GMT+1	Added information about FlexNet Publisher in Apache Log4j2 version 2.0-2.14.1 is a part of the following products. Action to perform.

Apache Log4j2 version 2.0-2.17.0 is a part of the following products. **Action to perform.**

CATIA Magic portfolio

- Magic Collaboration Studio (release **2021x Refresh1**, **2021x Refresh2**)
- Magic Software Architect (release **2021x Refresh1**, **2021x Refresh2**)
- Magic Cyber Systems Engineer (release **2021x Refresh1**, **2021x Refresh2**)
- Magic Systems of Systems Architect (release **2021x Refresh1**, **2021x Refresh2**)

No Magic portfolio

- Teamwork Cloud (release **2021x Refresh1**, **2021x Refresh2**)

- Cameo Collaborator for Teamwork Cloud (release **2021x Refresh1, 2021x Refresh2**)
- MagicDraw (release **2021x Refresh1, 2021x Refresh2**)
- Cameo Systems Modeler (release **2021x Refresh1, 2021x Refresh2**)
- Cameo Enterprise Architecture (release **2021x Refresh1, 2021x Refresh2**)

To Do: You have action to perform. [See Remediation.](#)

FlexNet Publisher

- Imadmin (FlexNet Publisher 64-bit License Server Manager)

To Do: You have action to perform, if you are using Imadmin Alerter Service. For more information, see [here](#).

Apache Log4j2 version 2.0-2.17.0 is a part of the following products, however it is not used for logging. No action to perform.

CATIA Magic portfolio

- Magic Collaboration Studio (release **2021x, 19.0 SP2, 19.0 SP3, 19.0 SP4**)

No Magic portfolio

- Cameo Collaborator for Teamwork Cloud (release **2021x, 19.0 SP1, 19.0 SP2, 19.0 SP3, 19.0 SP4**)
- Teamwork Cloud (release **2021x, 19.0 SP1, 19.0 SP2, 19.0 SP3, 19.0 SP4**)
- Cameo DataHub plugin (release **2021x Refresh1, 2021x Refresh2**)

The following products and versions are NOT affected. No action to perform.

CATIA Magic portfolio

- Magic Software Architect (release 2021x, 19.0 SP2, 19.0 SP3, 19.0 SP4)
- Magic Cyber Systems Engineer (release 2021x, 19.0 SP2, 19.0 SP3, 19.0 SP4)
- Magic Systems of Systems Architect (release 2021x, 19.0 SP2, 19.0 SP3, 19.0 SP4)

No Magic portfolio

- Teamwork Cloud (release 19.0)
- Teamwork Server (release 19.0 and all service packs, 18.5 SP4, 18.0 SP7)
- Cameo Collaborator for Teamwork Cloud (release 19.0)
- MagicDraw (release 2021x, 19.0 and all service packs, 18.5 SP4, 18.0 SP7)
- Cameo Systems Modeler (release 2021x, 19.0 and all service packs, 18.5 SP4, 18.0 SP7)
- Cameo Enterprise Architecture (release 2021x, 19.0 and all service packs, 18.5 SP4, 18.0 SP7)

Remediation

For modeling tools (Magic Software Architect, Magic Cyber Systems Engineer, Magic Systems of Systems Architect, MagicDraw, Cameo Systems Modeler, Cameo Enterprise Architecture)

Option 1

Download and install 2021x Refresh1 HF2 (hot fix). This is a new full 2021x Refresh1 version build with log4j 2.17.1.

Download and install 2021x Refresh2 HF2 (hot fix). This is a new full 2021x Refresh2 version build with log4j 2.17.1.

See [Downloading installation files](#)

Option 2

1. Make sure application is not running
2. Download log4j 2.17.1 from apache website ([link](#))
3. Search now for these jar files in installation base
 - log4j-core-2.*.jar
 - log4j-1.2-api-2.*.jar
 - log4j-api-2.*.jar
 - log4j-slf4j-impl-2.*.jar

4. Replace any match by the 2.17.1 version. **Make sure the original filename is unchanged.** See example below.
5. The replacing and renaming operations must be performed for all jar files found from the list

Example - if you find log4j-core-2.11.2.jar:

1. Remove log4j-core-2.11.2.jar
2. Copy log4j-core-2.17.1.jar to the same location
3. Rename log4j-core-2.17.1.jar to log4j-core-2.11.2.jar

Download same instructions [CATIA_No_Magic_log4j_procedure_V4.pdf](#)

For collaboration tools (Magic Collaboration Studio, Cameo Collaborator for Teamwork Cloud, Teamwork Cloud)

Option 1

Download and install 2021x Refresh1 HF2 (hot fix). This is a new full 2021x Refresh1 version build with log4j 2.17.1.

Download and install 2021x Refresh2 HF2 (hot fix). This is a new full 2021x Refresh2 version build with log4j 2.17.1.

See [Downloading installation files](#)

Option 2

In your installation base, please search for the following files: **webapp.war**, **admin.war**, **collaborator.war**, **document-exporter.war**, **resource-usage-map.war**, **resources.war**. If you do not find any result, you can stop the procedure here. Your installation does not contain web applications

If you find a match, you might need to replace log4j2 libraries inside each found war files (for example **webapp.war**). Please execute these steps:

1. Make sure application is not running
2. Download log4j 2.17.1 from apache website ([link](#))
3. Uncompress(unzip) **webapp.war** into any tmp folder
4. Search now for these jar files among unzipped ones
 - log4j-core-2.*.jar
 - log4j-api-2.*.jar
5. Replace any match by the 2.17.1 version. **Make sure the original filename is unchanged.** See example below.



For collaboration tools of 19.0 SPx version (Magic Collaboration Studio, Cameo Collaborator for Teamwork Cloud, Teamwork Cloud):

- look for a file named **org.apache.log4j-19.0.0.jar**. Delete it if found.

6. Compress(zip) all extracted files back to **webapp_patched.war**. Make sure files structure in new war is same as in original war.
7. Replace original **webapp.war** with **webapp_patched.war** and restore name back to **webapp.war**
8. Look for a folder named **webapp** next to **webapp.war**. Delete it if found.
9. Start application

Example - if you find log4j-core-2.11.2.jar:

1. Remove log4j-core-2.11.2.jar
2. Copy log4j-core-2.17.1.jar to the same location
3. Rename log4j-core-2.17.1.jar to log4j-core-2.11.2.jar

Download same instructions [CATIA_No_Magic_log4j_procedure_V4.pdf](#)