

# 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 | <b>2021x Refresh1 HF2</b> and <b>2021x Refresh2 HF2</b> (hot fixes) with <b>log4j 2.17.1</b> version are released as <a href="#">Remediation</a> option. Also, log4j 1.2 version removed from these hotfixes.<br><br>Added <a href="#">CVE-2021-44832</a> to vulnerability list. |
| 2022 01 06 18:00 GMT+1 | Updated <b>log4j</b> version from <b>2.17.0</b> to <b>2.17.1</b> for modeling and collaboration tools in <a href="#">Remediation</a> . Added additional note for collaboration tools v19.0 SPx in <a href="#">Remediation</a> .                                                  |
| 2021 12 22 19:30 GMT+1 | 2021x Refresh1 and 2021x Refresh2 HF1 (hot fixes) with log4j 2.16.0 version are released as <a href="#">Remediation</a> option.                                                                                                                                                  |
| 2021 12 20 21:00 GMT+1 | Updated <a href="#">Remediation</a> options for modeling and collaboration tools.                                                                                                                                                                                                |
| 2021 12 20 16:30 GMT+1 | Added <b>log4j</b> version <b>2.17.0</b> for modeling and collaboration tools in <a href="#">Remediation</a> .                                                                                                                                                                   |
| 2021 12 17 14:00 GMT+1 | Updated <a href="#">Remediation</a> options for modeling and collaboration tools.                                                                                                                                                                                                |
| 2021 12 17 13:00 GMT+1 | Updated <b>log4j</b> version from <b>2.15.0</b> to <b>2.16.0</b> for modeling and collaboration tools in <a href="#">Remediation</a> .                                                                                                                                           |
| 2021 12 16 14:00 GMT+1 | Added <b>Cameo DataHub plugin</b> to the list in <a href="#">Apache Log4j2 version 2.0-2.14.1</a> 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 <b>FlexNet Publisher</b> in <a href="#">Apache Log4j2 version 2.0-2.14.1</a> 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](#)