

Lumada Data Catalog

CVE-2022-42889 – Apache Commons Text vulnerability fix ReadMe

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About this document

The purpose of this document is to provide remediation steps for [CVE-2022-42889](#), a vulnerability that affects Lumada Data Catalog v6.1.1. The vulnerability could potentially allow unauthenticated attackers to execute code remotely on servers running applications with the affected component.

Accessing Product Downloads

Product Downloads, Documentation, Technical Notes, a Knowledge Base, and Tutorials are available on the HCP Anywhere portal. Download links are provided by the Customer Support group. Some third-party software components may be available to download from maven.org.

CVE Description

Issue	Area affected	Description	Resolution
CVE-2022-42889	Apache Commons Text	<p>Apache Commons Text Vulnerability</p> <p>Apache Commons text performs variable interpolation, allowing properties to be dynamically evaluated and expanded.</p> <p>Starting with version 1.5 and continuing through 1.9, the set of default lookup instances included interpolators that could result in arbitrary code execution or contact with remote servers.</p> <p>Applications using the interpolation defaults in the affected versions may be vulnerable to remote code execution or unintentional contact with removed servers if untrusted configuration values are used.</p> <p>Users are recommended to upgrade Apache Commons text 1.10.0, which disables the problematic interpolators by default.</p> <p>For more information on this CVE, refer to: https://nvd.nist.gov/vuln/detail/cve-2022-42889.</p>	Replace the LDC Agent's copy of Apache Commons Text jar v1.8 with Apache Commons Text v.1.10.0.

Note: Future versions of LDC and its hotfixes will include versions of Apache Commons Text that are not susceptible to the vulnerability documented in CVE-2022-42889. Please follow the Installation Steps to resolve the vulnerability issue in existing instances.

Installation Steps

Step 1:

- If running, stop the LDC agent:

```
<Agent Dir>$ bin/agent stop
```

Step 2:

- Remove the Commons-text-1.8.jar from agent dependencies:

```
$ rm <Agent Dir>/lib/dependencies/commons-text-1.8.jar
```

Step 3:

- Download the upgraded version of Commons-text jar and copy to <Agent Dir>/lib/dependencies/

```
$ cd <Agent Dir>/lib/dependencies
```

```
$ wget https://repo1.maven.org/maven2/org/apache/commons/commons-text/1.10.0/commons-text-1.10.0.jar
```

Step 4:

- Start the LDC agent

```
<Agent Dir>$ bin/agent start
```

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