Cloudera Private Cloud Experiences 1.3.3

Cloudera Private Cloud Experiences Release Notes

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Data Services Release Notes

CDP Private Cloud Data Services includes Management Console, Cloudera Data Warehouse (CDW), Cloudera Machine Learning (CML) and Cloudera Data Engineering (CDE). Learn about the new features and improvements in each of these experiences.

Learn about the new features and improvements in:

- Management Console
- Cloudera Data Warehouse (CDW)
- Cloudera Machine Learning (CML)
- Cloudera Data Engineering (CDE)

log4j Remediation: CVE-2021-44228 remediation for CDP Private Cloud Data Services 1.4.0 on page 4

In addition, learn about the new features and improvements in Cloudera Manager 7.6.5 supported with this version of CDP Private Cloud Experiences.

Cloudera Manager

CVE-2021-44228 remediation for CDP Private Cloud Data Services 1.4.0

CDP Private Cloud Data Services 1.4.0 contains mitigation for the Apache Log4j vulnerability tracked at CVE-2021-44228. The mitigation is achieved either by upgrading the embedded Log4j version to 2.17.1 or by removing the affected classes.

Note: This release does *not* contain fixes for the subsequent Log4j CVEs including CVE-2021-44832, CVE-2021-45046, and CVE-2021-45105 (denial of service attack using specially crafted log entries with custom Log4j configuration settings). Cloudera is continuing to update product lines as newer versions of Log4j are made available.

Dependencies

CDP Private Cloud Data Services 1.4.0 requires that you upgrade Cloudera Manager (CM) to version 7.5.5 which contains the mitigation for the Log4j vulnerability.

Remediation for Management Console

CVE-2021-44228 has been addressed in the Management Console on CDP Private Cloud Data Services 1.4.0 by upgrading Apache Log4j 2 to version 2.17.1

Remediation for Cloudera Machine Learning (CML)

The CML engine image engine:15-cml-2021.09-2 removes the JndiLookup class from all Log4j versions in the engine image. This update addresses the issue found in CVE-2021-44228. An inaccessible log4j2 jar is also present in /root but the jar file is not reachable by CML sessions. Therefore, the jar file does not pose a security threat.

Note: You can upgrade CML workspaces only on OpenShift deployments. On ECS deployments, you cannot upgrade existing CML workspaces. Therefore, you must launch new workspaces.

Remediation for Cloudera Data Engineering (CDE)

CVE-2021-44228 has been addressed in CDE on CDP Private Cloud Data Services 1.4.0 by upgrading Apache Log4j 2 to version 2.17.1.

Note: In-place upgrade is still not supported for CDE virtual clusters. You must back up the job details from the running virtual clusters, and restore the jobs after creating virtual clusters based on version 1.4.0.

Remediation for Cloudera Data Warehousing (CDW)

CVE-2021-44228 has been addressed in CDW on CDP Private Cloud Data Services 1.4.0 by upgrading Apache Log4j 2 to version 2.17.1.

Note: After upgrading to CDP Private Cloud Data Services 1.4.0, you must recreate the database catalogs and warehouses.