

Cloudera Manager 7.4.2

## Release Notes

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# CLOUdera

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# Cloudera Manager 7.4.0 Release Notes

Known issues, fixed issues and new features for Cloudera Manager and CDP Private Cloud Base.

## What's New in Cloudera Manager 7.4.0

New features and changed behavior for Cloudera Manager 7.4.0.

**OPSAPS-59456: Add `--shutDownCluster` parameter for `HBaseGracefulShutdownCommand`**

Changed the HBase graceful-stop command to include the `--shutDownCluster` parameter.

**OPSAPS-59386: Ability to override JDBC connection string for SchemaRegistry and SMM**

The `database_jdbc_url_override` configuration parameter has been added to Schema Registry and Streams Messaging Manager (SMM). This parameter overrides the JDBC URL of the database and allows you to pass specific parameters if necessary.

**OPSAPS-57938: Kafka CSD improvements to automate configuration of Kafka-Atlas hook**

Two new configuration fields have been introduced to the Kafka service:

- `atlas.metadata.namespace.topic`
- `atlas.metadata.namespace.client`

A new configuration field has been introduced to the Kafka Broker: `atlas.audit.enabled`. This parameter enables the Kafka -> Atlas auditing plugin. The plugin is autoconfigured and is disabled by default.

### Third-party software updates

**OPSAPS-59284: The `org.apache.commons:commons-compress` library is upgrade dto version 1.19 due to a CVE.**

The `commons-compress` library has been upgraded to version 1.19.

**OPSAPS-54389: Jython library upgraded to version 2.7.2 due to CVE**

The Jython library has been upgraded to version 2.7.2.

## Fixed Issues in Cloudera Manager 7.4.0

Fixed issues in Cloudera Manager 7.4.0

**Cloudera Bug: OPSAPS-59481: Add default value to `ranger ldap.user.dnpattern` parameter for Ranger**

A default value has been added to prevent errors when the `ranger.ldap.user.dnpattern` parameter is not configured.

**Cloudera Bug: OPSAPS-59431: Console errors and performance issues on Instances page**

Improved the performance of the Select all checkbox on Instances pages for large numbers of instances.

**Cloudera Bug: OPSAPS-59247: Add the RAZ s3 cluster name to the Ranger Audit log**

The cluster name is now displayed in the Ranger audit log through RAZ.

**Cloudera Bug: OPSAPS-56280: Support for cleaning up Ranger service on DataHub deletion**

[Improvement] See <https://jira.cloudera.com/browse/OPSAPS-56167>

## Known Issues in Cloudera Manager 7.4.0

Known issues in CM 7.4.0

**Cloudera Bug: OPSAPS-59148: Hive on Tez service is marked as stale after Cloudera Manager upgrade**

After upgrading Cloudera Manager, Hive On Tez will be marked as stale.

Workaround: If you are affected by this bug, at your next opportunity, restart Hive On Tez. The configuration parameter that will be marked stale is: `tez.runtime.shuffle.ssl.enable`.

**Technical Service Bulletin****TSB 2021-491: Authorization Bypass in Cloudera Manager (CVE-2021-30132/CVE-2021-32483)**

Cloudera Manager (CM) 7.4.0 and earlier versions have incorrect Access Control in place for certain endpoints. A user who has a knowledge to the direct path of a resource or a URL to call a particular function, can access it without having the proper role granted. The vulnerable endpoints were CVE-2021-30132 `/cmf/alerts/config?task=` and CVE-2021-32483 `/cmf/views/view?viewName=`.

**CVE**

- CVE-2021-30132
  - Alerts config - 4.3 (Medium)
  - [CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N](#)
- CVE-2021-32483
  - Views - 4.3 (Medium)
  - [CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N](#)

**Impact**

A user with read only privilege is able to see configuration information in the UI.

**Action required**

Upgrade to a version containing the fix.

**Knowledge article**

For the latest update on this issue see the corresponding Knowledge article: [TSB 2021-491: Authorization Bypass in Cloudera Manager \(CVE-2021-30132 / CVE-2021-32483\)](#)

## Cloudera Manager 7.4.1 Release Notes

Known issues, fixed issues and new features for Cloudera Manager and CDP Private Cloud Base.

### What's New in Cloudera Manager 7.4.1

New features and changed behavior for Cloudera Manager 7.4.1.

**OPSAPS-59410: BasicAuthentication over TLS support for Kafka Metrics**

Added TLS and BasicAuth support to the Kafka Brokers' metrics-related HTTP endpoints. - If both the `kafka.http.metrics.ssl.enabled` and `ssl_enabled` configuration properties are enabled, the endpoints will be encrypted via TLS. - If `kafka.http.metrics.authentication.enabled` is enabled, BasicAuth will be enabled, the username and password will have to be provided in the following properties: `kafka.http.metrics.user` and `kafka.http.metrics.password`.

**OPSAPS-59446: Kafka client's configuration in Streams Messaging Manager has been simplified**

A Kafka clients' `security.protocol` is auto-configured in Streams Messaging Manager configuration. This change removes the 'Kafka Client Security Protocol' parameter where it was set manually. the Jaas configuration for Kafka Clients can be overridden by using the `streams.messaging.manager.kafka.client.sasl.jaas.config` property in the Advanced Configuration Snippet for `streams-messaging-manager.yaml`.

**OPSAPS-59530: Service Monitor and Host Monitor scaling improvements**

In the CDP Public Cloud environment, the Service Monitor and Host Monitor now adapt their memory settings to improve cluster scaling. This requires the "Automatic Restart Process" to be enabled. (It is enabled by default).

**OPSAPS-59895: MapReduce shuffle encryption is enabled by default**

MapReduce shuffle SSL is enabled by default if Hadoop SSL is enabled on a cluster.

## Fixed Issues in Cloudera Manager 7.4.1

Fixed issues in Cloudera Manager 7.4.1

**OPSAPS-59562, OPSAPS-59229: SMM YAML configuration uses plain-text passwords**

Previously, Streams Messaging Manager passwords were stored in its configuration file as plain-text. The passwords are now assigned as environment variables.

**OPSAPS-59555: HBase validation "Regions In Transition" should be disabled for backup master**

Cloudera Manager was trying to execute "Regions in Transition" validations for backup (standby) HBase Masters in highly available deployments. This validation was always unsuccessful, as the related metrics are exposed only by the active HBase Master. This validation is now disabled for the backup HBase Master.

## Known Issues in Cloudera Manager 7.4.1

Known issues in CM 7.4.1

### Technical Service Bulletin

**TSB 2021-491: Authorization Bypass in Cloudera Manager (CVE-2021-30132/CVE-2021-32483)**

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## Cloudera Manager 7.4.2 Release Notes

Known issues, fixed issues and new features for Cloudera Manager and CDP Private Cloud Base.

### What's New in Cloudera Manager 7.4.2

New features and changed behavior for Cloudera Manager 7.4.2.

**Cloudera Bug: OPSAPS-55802: New Atlas Health Test checks health of the Atlas UI**

Previously, Cloudera Manager showed that the health of the Atlas service was good, even when the Atlas UI was not available. A new Health test was added for Atlas which checks the availability of the Atlas UI. This guarantees that Cloudera Manager shows Atlas's health as bad when the Atlas UI is not available. The health test is enabled by default.

**Cloudera Bug: OPSAPS-60146 ConsumerEmission Timeout for Streams Messaging Manager is now configurable**

Consumer metrics emission timeout is configurable for Streams Messaging Manager using the `cm.metrics.emit.consumer.metrics.timeout` configuration property.

**Cloudera Bug: OPSAPS-60223: Change Schema Registry log level to WARN for third-party components**

The log messages produced by Ranger are moved to a separate log file, keeping the schema registry log clean.

**OPSAPS-59410: BasicAuthentication over TLS support for Kafka Metrics**

Added TLS and BasicAuth support to the Kafka Brokers' metrics-related HTTP endpoints. - If both the `kafka.http.metrics.ssl.enabled` and `ssl_enabled` configuration properties are enabled, the endpoints will be encrypted via TLS. - If `kafka.http.metrics.authentication.enabled` is enabled, BasicAuth will be enabled, the username and password will have to be provided in the following properties: `kafka.http.metrics.user` and `kafka.http.metrics.password`.

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### Fixed Issues in Cloudera Manager 7.4.2

Fixed issues in Cloudera Manager 7.4.2

**Cloudera Bug: OPSAPS-19693: 255 column limit in XLS export from Operational Reports**

Fixed an issue where the 256-column limit prevented reports exported to Excel that exceeded this limit from being saved as an XLS file type (for example, Historical Disk Usage By User). This export feature now uses the XLSX format, which raises the limit to 16384.

**Cloudera Bug: OPSAPS-58447: Improve Replication Manager to collect Hive replication metrics from source cluster**

History for Hive On Tez replication now shows BOTH the target metrics as well as the source metrics. Formerly, only the target metrics were included. The History contains a new field named

'Origin', this field will be SOURCE or TARGET depending on whether the metrics originated from the source Hive On Tez or the target Hive On Tez.

**Cloudera Bug: OPSAPS-59294: org.scala-lang:scala-library has been upgraded**

org.scala-lang:scala-library has been upgraded to version 2.10.0

**Cloudera Bug: OPSAPS-59675: Generate secure configuration for Streams Replication Manager control (client config)**

A new type of External Accounts was introduced to support secure management of connection credentials of external Kafka clusters.

**Cloudera Bug: OPSAPS-60135: HTTPS Proxy Protocol fails due to asynhttpclient**

Fixed an issue where setting 'HTTPS' Proxy Protocol for the proxy server in Cloudera Manager > Parcels > Parcel Repository & Network Settings > Proxy Protocol fails with the following error:

```
java.lang.IllegalArgumentException: No enum constant org.asynhttpclient.proxy.ProxyType.HTTPS at java.lang.Enum.valueOf(Enum.java:238) at org.asynhttpclient.proxy.ProxyType.valueOf(ProxyType.java:16) at com.cloudera.server.cmf.ArtifactDownloaderHelper.getProxyServer(ArtifactDownloaderHelper.java:119)
```

**Cloudera Bug: OPSAPS-60175: Internal error in Directory Usage Report**

Fixed the 'Internal error processing filesearch2' error in the Directory Usage Report when setting a HDFS quota in the Cloudera Manager Admin Console.

**Cloudera Bug: OPSAPS-60194: Hue HaProvider is missing from cdp-proxy Knox topology**

Hue is now be added to the cdp-proxy topology

**Cloudera Bug: OPSAPS-60264: Create Ranger audit logs in HDFS for Schema Registry**

The ranger-audit configuration for Schema Registry did not contain an entry for defining where the audit files will be stored in HDFS. When xasecure.audit.destination.hdfs was set to true, this caused a silent failure in Ranger and no files would be written to HDFS. This issue has now been fixed and the audit files are being created on HDFS.

**Cloudera Bug: OPSAPS-60454: Cloudera Manager should add existing users to groups specified by a parcel**

Fixed an issue in which user-group mappings specified via parcel was created properly if the service users already exist. Cloudera Manager now adds existing users to groups as appropriate.

**OPSAPS-59555: HBase validation "Regions In Transition" should be disabled for backup master**

Cloudera Manager was trying to execute "Regions in Transition" validations for backup (standby) HBase Masters in highly available deployments. This validation was always unsuccessful, as the related metrics are exposed only by the active HBase Master. This validation is now disabled for the backup HBase Master.

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**Technical Service Bulletins**

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## Known Issues in Cloudera Manager 7.4.2

This topic describes known issues and workarounds for Cloudera Manager.



**Cloudera bug: OPSAPS-59764: Memory leak in the Cloudera Manager agent while downloading the parcels.**

When using the M2Crypto library in the Cloudera Manager agent to download parcels causes a memory leak.

The Cloudera Manager server requires parcels to install a cluster. If any of the URLs of parcels are modified, then the server provides information to all the Cloudera Manager agent processes that are installed on each cluster host.

The Cloudera Manager agent then starts checking for updates regularly by downloading the manifest file that is available under each of the URLs. However, if the URL is invalid or not reachable to download the parcel, then the Cloudera Manager agent shows a 404 error message and the memory of the Cloudera Manager agent process increases due to a memory leak in the file downloader code of the agent.

To prevent this memory leak, ensure all URLs of parcels in Cloudera Manager are reachable. To achieve this, delete all unused and unreachable parcels from the Cloudera Manager parcels page.

**Cloudera bug: OPSAPS-63881: When CDP Private Cloud Base is running on RHEL/CentOS/Oracle Linux 8.4, services fail to start because service directories under the /var/lib directory are created with 700 permission instead of 755.**

Run the following command on all managed hosts to change the permissions to 755. Run the command for each directory under /var/lib:

```
chmod -R 755 [***path_to_service_dir***]
```

**OPSAPS-65189: Accessing Cloudera Manager through Knox displays the following error:**

Bad Message 431 reason: Request Header Fields Too Large

Workaround: Modify the Cloudera Manager Server configuration /etc/default/cloudera-scm-server file to increase the header size from 8 KB, which is the default value, to 65 KB in the Java options as shown below:

```
export CMF_JAVA_OPTS="...existing options...  
-Dcom.cloudera.server.cmf.WebServerImpl.HTTP_HEADER_SIZE_BYTES=  
65536  
-Dcom.cloudera.server.cmf.WebServerImpl.HTTPS_HEADER_SIZE_BYTE  
S=65536"
```