

Release Notes 1

DLM Release Notes

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DLM 1.4.0 Release Notes

This document provides you with the latest information about the Data Lifecycle Manager (DLM) 1.4.0 release and its product documentation on docs.hortonworks.com.

You should also review the [DataPlane \(DP\) Release Notes and documentation](#).

What's New in this Release

The DLM Service 1.4.0 release includes the following new features:

| Summary | Category | Description |
|---|-------------|---|
| External Table Replication | Hive | Replication of external tables to target clusters as external Hive tables, so that external tables can be used for running non-Hive workloads. This feature is supported only for replication from HDP 2.6.5 to 2.6.5. For more information, see External Table replication in the <i>DLM Administrator's Guide</i> . |
| Storage-based Authorization | Hive | Hive supports the combination of doAs=true plus storage-based authorization. Previous DLM versions did not support this combination. For more information, see Storage-based authorization in the <i>DLM Administrator's Guide</i> . |
| Enable replication from encrypted to un-encrypted storage | Replication | DLM now enables replication from encrypted dataset to un-encrypted dataset. However, the UI displays a warning that the encrypted data is replicated to un-encrypted data and the user has to manually allow for this process to complete. |
| Statistics Replication | Replication | DLM now supports statistics-based replication. For more information, see Statistics replication in the <i>DLM Administrator's Guide</i> . |

Behavioral Changes

Some of the feature-based behavior changes are explained in this page.

HDP 2.6.5 considerations

The snapshot-diff based replication is disabled in HDP 2.6.5 release. If you enable snapshot-based replication in HDP 2.6.5, the snapshots are used as the source, without using the diff-based replication. For more information, see the *DLM Administrator's Guide*.

Known Issues

DLM has the following known issues, scheduled for resolution in a future release. Where available, a workaround has been provided.

| Hortonworks Bug ID | Category | Summary |
|--------------------|---------------------------------|--|
| BUG-77340 | Restart of HiveServer2 and Knox | <p>Problem: HS2 failover requires Knox restart if cookie use is enabled for HS2</p> <p>Description: When HiveServer2 is accessed via Knox Gateway and HiveServer2 has cookie-based authentication enabled, a HiveServer2 restart requires that Knox also be restarted to get Knox-HiveServer2 interaction working again.</p> <p>Workaround: Set</p> <pre>hive.server2.thrift.http.cookie.auth.enabled=false</pre> <p>in hive-site.xml in Ambari.</p> |

| Hortonworks Bug ID | Category | Summary |
|--------------------|------------------|---|
| BUG-111066 | DLM UI | <p>Problem: DLM App start succeeds even with wrong master password for DataPlane Service keystore</p> <p>Description: After upgrading DLM App from older version of 1.1.3 to 1.1.3.0-28 , all the cloud credentials were marked as unregistered.</p> <p>Workaround: Re-install the DLP App and initiate the app again. Provide the valid password to proceed.</p> |
| BUG-112068 | Atlas | <p>Problem: Atlas replication does not work for incremental changes.</p> <p>Description: Incremental export not seen with fresh HDP installation.</p> <p>Workaround: Restart Atlas service once and later all incremental Atlas replication works correctly.</p> |
| BUG-114953 | DLM UI | <p>Problem: Incorrect statistics displayed for failed replication job.</p> |
| BUG -115909 | HDFS replication | <p>Problem: HDFS replication fails from HDP 3.1 to 2.6.5 with Atlas replication enabled.</p> <p>Description:The data types of Atlas has changed between HDP 3.1 and 2.6.5. Atlas replication does not work from HDP 3.1 to 2.6.5.</p> <p>Workaround: You can enable HDFS replication from HDP 3.1 to 2.6.5 by disabling Atlas replication.</p> |

Fixed Issues

The following table lists selected issues resolved in DLM 1.4.0 release

| Hortonworks Bug ID | Category | Description |
|--------------------|-----------------|--|
| BUG-115352 | DistCp | Renamed file on the source is not copied to the target cluster |
| BUG-115371 | DistCp | Handle deleted files in the source cluster |
| BUG-117809 | Hive | Compress NOTIFICATION_LOG data to prevent large RDBMS footprint |
| BUG-117708 | Policy list | Unhandled NullPointerException in PolicyListExecutor |
| BUG-116896 | Replication job | Replication job on 3.1 fails with exception 'Failed to renew token: Kind: kms-dt' |
| BUG-116418 | Atlas | Atlas replication fails from HDP 2.6.5 to 3.1 unsecure clusters |
| BUG-116323 | Policy edit | Edit policy for 'disable Atlas replication' |
| BUG-116092 | Cluster pair | Cluster submit fails for DataLake cluster |
| BUG-115898 | Hive | Hive on-premise replication from HDP 2.6.5 to HDP 3.1 is slow |
| BUG-115700 | Hive | HDP 2.6 to 3.1 - Hive on-premise replication running in serial mode |
| BUG-115589 | Authorisation | User with DLM User Role can view the abort button on Overview Page, but not on Policy page |
| BUG-111348 | Cluster pair | Validate Atlas Endpoint during pairing |
| BUG-118235 | DLM App | Upgrade to jackson-databind version 2.9.8 |
| BUG-116011 | Hive | Enable move optimizationfor cloud replication |