

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