

Hortonworks Data Platform

HDP-2.2.6 Release Notes

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Hortonworks Data Platform: HDP-2.2.6 Release Notes

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1. HDP 2.2.6 Release Notes

The official Apache versions of all HDP 2.2 components are unchanged from HDP 2.2.0.0. All HDP 2.2 components listed here are official Apache releases of the most recent stable versions available.

Hortonworks' philosophy is to provide patches only when absolutely necessary to assure the interoperability of the components. Unless you are explicitly directed by Hortonworks Support to take a patch update, each of the HDP 2.2 components needs to remain at the following package version levels to ensure a certified and supported copy of HDP 2.2.

- Apache Hadoop 2.6.0
- Apache Accumulo 1.6.1
- Apache DataFu 1.2.0
- Apache Falcon 0.6.0
- Apache Flume 1.5.2
- Apache HBase 0.98.4
- Apache Hive 0.14.0
- Hue 2.6.1
- Apache Kafka 0.8.1.1
- Apache Knox 0.5.0
- Apache Mahout 0.9.0
- Apache Oozie 4.1.0
- Apache Phoenix 4.2.0
- Apache Pig 0.14.0
- Apache Ranger 0.4.0
- Apache Slider 0.61.0
- Apache Spark 1.2.1
- Apache Sqoop 1.4.5
- Apache Storm 0.9.3
- Apache Tez 0.5.2
- Apache ZooKeeper 3.4.6

As of HDP 2.2, the following third-party tools are deprecated, and will be removed in a future release:

- Ganglia 3.5.0
- Nagios 3.5.0
- Ganglia Web 3.5.7

1.1. Unsupported Features

Some features exist within HDP 2.2.6, but Hortonworks does not currently support these specific capabilities.

1.1.1. Technical Preview Features

The following features are available within HDP 2.2.6, but are not ready for production deployment. We encourage you to explore these technical preview features in non-production environments and provide feedback on your experiences through the Hortonworks Community Forums.

- HDFS Transparent Data at Rest Encryption
- Falcon Graph View of Dependencies
- Phoenix support for local secondary indexes
- YARN support for Docker
- Create a Hive Sink based on the new Hive Streaming support ([FLUME-1734](#))

1.1.2. Community Features

The following features are developed and tested by the community, but are not officially supported by Hortonworks. There are variety of reasons that these features are excluded, including: insufficient reliability or incomplete test case coverage, declaration of non-production readiness by the community at large, feature deviates from Hortonworks best practices, and more. Do not use them in your production environments.

The following features are shipped as part of HDP 2.2 HDFS, but are not supported:

- NameNode Federation ([HDFS-1052](#))
- viewFS ([HADOOP-7257](#))
- block-volume device choosing ([HDFS-1804](#))
- Disable File channel dual checkpointing on Windows ([FLUME-2224](#))
- Disable Morphline Sink and Kite Dataset sinks on Windows Builds ([FLUME-2467](#))

The following Apache components are shipped as part of HDP 2.2 YARN, but are not supported:

- Fair Scheduler

- MapReduce Uber AM
- MapReduce Eclipse Plug-in

The following components are shipped as part of HDP 2.2 Spark, but not supported:

- Spark Standalone
- BlinkDB
- GraphX

The following components are shipped as part of HDP 2.2 Kafka, but not supported:

- Delete Topic

1.2. Behavioral Changes

In HDP 2.2.6, behavioral changes affect the following Hadoop components:

- Oozie

Previous releases of the HDP Oozie client loaded the server-side configuration file, where `JAVA_HOME` is specific. The current version of the client does not load that server-side file. The workaround requires the following changes in its environmental setup:

- The Oozie system environment requires JDK 1.6 or greater
- The machine where the users will run the Oozie command line requires `$JAVA_HOME` to be set to version 1.6 or greater.

1.3. Apache Patch Information

This section describes Apache JIRAs that were addressed in HDP 2.2.6.

1.3.1. Accumulo 1.6.1

HDP 2.2.6 provides Accumulo 1.6.1 and the following Apache patches:

- [ACCUMULO-3312](#) Fix incorrect path generation during clone table.
- [ACCUMULO-3600](#) Fix deleterows to properly compute file counts.

1.3.2. Falcon 0.6.0

HDP 2.2.6 provides Apache Falcon 0.6.0 and the following additional Apache patches:

- [FALCON-1005](#): In `ProcessInstanceSuspendTest` clean test dir after each method execution
- [FALCON-1007](#): Improve test output and variable names.
- [FALCON-1072](#): Dumping of Oozie info should use os specific newline

1.3.3. Flume 1.5.2

HDP 2.2.6 provides Apache Falcon 0.6.0 and the following additional Apache patches:

- [FLUME-1734](#): Create a Hive Sink based on the new Hive Streaming support.
- [FLUME-1334](#): Flume startup script for Windows.
- [FLUME-2442](#): Need an alternative to providing clear text passwords in flume config.
- [FLUME-2224](#): Disable File channel dual checkpointing on Windows.
- [FLUME-2467](#): Disable Morphline Sink and Kite Dataset sinks on Windows Builds.
- [FLUME-2226](#): Refactor BlobHandler out of morphline sink and into HTTP source.
- [FLUME-2227](#): Move BlobDeserializer from Morphline Sink to FLUME-ng-core.
- [FLUME-2337](#): export JAVA_HOME in FLUME-env.sh.template and increase heap size.
- [FLUME-2511](#): Allow configuration of enabled protocols in Avro source and Rpc client.
- [FLUME-2586](#): HDFS Sink should have an option to try rename even if close fails.
- [FLUME-2655](#): Update documentation for hdfs.closeTries based on FLUME-2586.
- [FLUME-2095](#): JMS source with TIBCO (patch-1).
- [FLUME-2451](#): HDFS Sink Cannot Reconnect After NameNode Restart.
- [FLUME-2068](#): File Channel issue: recovering from BadCheckpoint exception on Windows.
- [FLUME-2224](#): Disable File channel dual checkpointing on Windows.
- [FLUME-2407](#): Spillable Channel sometimes fails on reconfigure.
- [FLUME-2145](#): TestCheckpointRebuilder.testFastReplay fails on Windows.
- [FLUME-2218](#): TestFileChannelIntegrityTool tests failing on Windows.
- [FLUME-2219](#): Windows: Flume tests need to know location of Hadoop native libraries (hadoop.dll).
- [FLUME-2137](#): Fix StagedInstall.java to invoke the correct startup script on Windows.
- [FLUME-2058](#): TestFlumeEventQueue in FileChannel fails on Windows.
- [FLUME-2136](#): Fix intermittent test failure in TestMonitoredCounterGroup on Windows.
- [FLUME-2150](#): Fix TestFileChannelEncryption failure on Windows.
- [FLUME-2358](#): File Channel needs to close BackingStore & EventQueue before deleting files in checkpoint directory.
- [FLUME-2359](#): TestFileChannelIntegrityTool throws exception on class teardown on Windows.

- [FLUME-2402](#): Warning seen when overflow is disabled for Spillable Channel.
- [FLUME-2412](#): Improve Logging in Spillable Channel.
- [FLUME-2122](#): Minor cleanups of User guide.
- [FLUME-2175](#): Update Developer Guide with notes on how to upgrade Protocol Buffer version.
- [FLUME-2123](#): Morphline Solr sink missing short type name.
- [FLUME-2162](#): TestHDFSEventSinkOnMiniCluster.maxUnderReplicationTest fails on hadoop2.
- [FLUME-2146](#): Windows: Tmp file creation in TestBodyTextEventSerializer.java needs fixing.
- [FLUME-2151](#): Windows: Update TestExecSource to use native commands on Windows.
- [FLUME-2501](#): Updating HttpClient lib version to ensure compat with Solr.
- [FLUME-2508](#): LineDeserializer causes incorrect behavior in SpoolDir Source on Windows.
- [FLUME-2530](#): Resource leaks found by Coverity tool.
- [FLUME-2532](#): Windows : TestReliableSpoolingFileEventReader : need to close filereader.
- [FLUME-2534](#): Windows : Windows : TestFlumeEventQueue has many failures.
- [FLUME-2541](#): Bug in TestBucketWriter.testSequenceFileCloseRetries.
- [FLUME-2441](#): Unit test TestHTTPSource.java failed with IBM JDK 1.7.
- [FLUME-2520](#): HTTP Source should be able to block a prefixed set of protocols.
- [FLUME-2533](#): HTTPS tests fail on Java 6.
- [FLUME-2544](#): Windows: Incorrect Path Separator used in HDFS path (HDFS Sink).

1.3.4. Hadoop Common/HDFS 2.6.0

HDP 2.2.6 provides Apache Hadoop Core 2.6.0 and the following additional Apache patches:

- [HDFS-3107](#): Introduce truncate.
- [HDFS-7009](#): Active NN and standby NN have different live nodes.
- [HDFS-7056](#): Snapshot support for truncate.
- [HDFS-7058](#): Tests for truncate CLI
- [HDFS-7263](#): Snapshot read can reveal future bytes for appended files.
- [HDFS-7425](#): NameNode block deletion logging uses incorrect appender.

- [HDFS-7443](#): Datanode upgrade to BLOCKID_BASED_LAYOUT fails if duplicate block files are present in the same volume
- [HDFS-7470](#): SecondaryNameNode need twice memory when calling reloadFromImageFile.
- [HDFS-7489](#): Incorrect locking in FsVolumeList#checkDirs can hang datanodes.
- [HDFS-7503](#): Namenode restart after large deletions can cause slow processReport
- [HDFS-7606](#): Fix potential NPE in INodeFile.getBlocks().
- [HDFS-7634](#): Disallow truncation of Lazy persist files.
- [HDFS-7638](#): Small fix and few refinements for FSN#truncate.
- [HDFS-7643](#): Test case to ensure lazy persist files cannot be truncated.
- [HDFS-7655](#): Expose truncate API for Web HDFS.
- [HDFS-7659](#): Truncate should check negative value of the new length
- [HDFS-7676](#): Fix TestFileTruncate to avoid bug of HDFS-7611.
- [HDFS-7677](#): DistributedFileSystem#truncate should resolve symlinks.
- [HDFS-7707](#): Edit log corruption due to delayed block removal again.
- [HDFS-7714](#): Simultaneous restart of HA NameNodes and DataNode can cause DataNode to register successfully with only one NameNode.
- [HDFS-7733](#): NFS: readdir/readdirplus return null directory attribute on failure.
- [HDFS-7738](#): Revise the exception message for recover lease; add more truncate tests such as truncate with HA setup, negative tests, truncate with other operations and multiple truncates.
- [HDFS-7760](#): Document truncate for WebHDFS.
- [HDFS-7831](#): Fix the starting index and end condition of the loop in FileDiffList.findEarlierSnapshotBlocks().
- [HDFS-7843](#): A truncated file is corrupted after rollback from a rolling upgrade.
- [HDFS-7885](#): Datanode should not trust the generation stamp provided by client.
- [HADOOP-926](#): Do not fail job history iteration when encountering missing directories.
- [HADOOP-941](#): Addendum patch.
- [HADOOP-11321](#): copyToLocal cannot save a file to an SMB share unless the user has Full Control permissions.
- [HADOOP-11368](#): Fix SSLFactory truststore reloader thread leak in KMSSClientProvider.

- [HADOOP-11381](#): Fix findbugs warnings in hadoop-distcp, hadoop-aws, hadoop-azure, and hadoop-openstack
- [HADOOP-11381](#): Revert. (Fix findbugs warnings in hadoop-distcp, hadoop-aws, hadoop-azure, and hadoop-openstack.)
- [HADOOP-11412](#): POMs mention "The Apache Software License" rather than "Apache License".
- [HADOOP-11412](#): Revert. (POMs mention "The Apache Software License" rather than "Apache License")
- [HADOOP-11490](#): Expose truncate API via FileSystem and shell command.
- [HADOOP-11509](#): change parsing sequence in GenericOptionsParser to parse -D parameters before -files.
- [HADOOP-11510](#): Expose truncate API via FileContext.
- [HADOOP-11523](#): StorageException complaining " no lease ID" when updating FolderLastModifiedTime in WASB.
- [HADOOP-11579](#): Documentation for truncate.
- [HADOOP-11595](#): Add default implementation for AbstractFileSystem#truncate.
- [MAPREDUCE-6230](#): Fixed RMContainerAllocator to update the new AMRMToken service name properly.
- [YARN-570](#): Time strings are formatted in different timezone.
- [YARN-2246](#): Made the proxy tracking URL always be http(s)://proxy addr:port/proxy/<appld> to avoid duplicate sections.
- [YARN-2571](#): RM to support YARN registry
- [YARN-2683](#): registry config options: document and move to core-default
- [YARN-2837](#): Support Timeline server to recover delegation token when restarting.
- [YARN-2917](#): Fixed potential deadlock when system.exit is called in AsyncDispatcher
- [YARN-2964](#): RM prematurely cancels tokens for jobs that submit jobs (oozie).
- [YARN-3103](#): AMRMClientImpl does not update AMRM token properly.
- [YARN-3207](#): Secondary filter matches entites which do not have the key being filtered for.
- [YARN-3227](#): Timeline renew delegation token fails when RM user's TGT is expired.
- [YARN-3239](#): WebAppProxy does not support a final tracking url which has query fragments and params.
- [YARN-3251](#): Fixed a deadlock in CapacityScheduler when computing absoluteMaxAvailableCapacity in LeafQueue.

- [YARN-3269](#): Yarn.nodemanager.remote-app-log-dir could not be configured to fully qualified path.

1.3.5. HBase 0.98.4

HDP 2.2.6 provides HBase 0.98.4 and the following additional Apache patches:

- [HBASE-212](#): Addendum. Fixes a unit test
- [HBASE-10499](#): In write-heavy scenario one of the regions does not get flushed causing RegionTooBusyException
- [HBASE-11569](#): Addendum for not skipping replayed edits for primary region replica
- [HBASE-12238](#): A few exceptions on startup - PARTIAL BACKPORT
- [HBASE-12533](#): staging directories are not deleted after secure bulk load
- [HBASE-12575](#): Sanity check table coprocessor classes are loadable
- [HBASE-12536](#): Reduce the effective scope of GLOBAL CREATE and ADMIN permission
- [HBASE-12562](#): Handling memory pressure for secondary region replicas - ADDENDUM for fixing findbug reported issues
- [HBASE-12791](#): HBase does not attempt to clean up an aborted split when the regionserver shutting down
- [HBASE-12714](#): RegionReplicaReplicationEndpoint should not set the RPC Codec
- [HBASE-12958](#): SSH doing hbase:meta get but hbase:meta not assigned
- [HBASE-13120](#): Allow disabling hadoop classpath and native library lookup

1.3.6. Hive 0.14.0

HDP 2.2.6 provides Hive 0.14.0 and the following additional Apache patches:

- [HIVE-480](#): HDFSCleanup thread holds reference to FileSystem
- [HIVE-6468](#): HiveServer2 (tcp mode, with SASL layer) OOMs when getting a non-thrift message
- [HIVE-6679](#): HiveServer2 should support TCP Keepalive & Server Socket Timeout on blocking calls
- [HIVE-7175](#): Provide password file option to beeline
- [HIVE-7270](#): Serde info is not shown in show create table statement, but shows in the desc table
- [HIVE-8295](#): Add batch retrieve partition objects for metastore direct sql
- [HIVE-8485](#): SUMMARY-Hive metastore NPE with Oracle DB when there is empty value for string for tblproperties/serdeproperties/etc, table not usable after creation

- [HIVE-8762](#): HiveMetaStore.BooleanPointer should be replaced with an AtomicBoolean
- [HIVE-8791](#) : Hive permission inheritance throws exception S3
- [HIVE-8850](#): SUMMARY-[ObjectStore:: rollbackTransaction() needs to be looked into further
- [HIVE-8881](#): Receiving json "could not find job" error when web client tries to fetch all jobs from WebHCat but HDFS does not have the data.
- [HIVE-8888](#): Hive on Tez query output duplicate rows when there is explode in subqueries for joins
- [HIVE-8891](#): SUMMARY-[Another possible cause to NucleusObjectNotFoundException from drops/rollback
- [HIVE-8893](#): Implement whitelist for builtin UDFs to avoid untrusted code execution in multiuser mode
- [HIVE-8966](#): Delta files created by hive hcatalog streaming cannot be compacted
- [HIVE-9025](#): join38.q (without map join) produces incorrect result when testing with multiple reducers
- [HIVE-9038](#): Join tests fail on Tez
- [HIVE-9055](#): Tez: union all followed by group by followed by another union all gives error
- [HIVE-9106](#): improve the performance of null scan optimizer when several table scans share a physical path
- [HIVE-9112](#): Query may generate different results depending on the number of reducers
- [HIVE-9141](#): HiveOnTez: mix of union all, distinct, group by generates error
- [HIVE-9155](#): HIVE_LOCKS uses int instead of bigint hive-txn-schema-0.14.0.mssql.sql
- [HIVE-9205](#): Change default Tez install directory to use /tmp instead of /user and create the directory if it does not exist
- [HIVE-9234](#): HiveServer2 leaks FileSystem objects in FileSystem.CACHE
- [HIVE-9235](#): Turn off Parquet Vectorization until all data types work: DECIMAL, DATE, TIMESTAMP, CHAR, and VARCHAR
- [HIVE-9249](#): java.lang.ClassCastException: org.apache.hadoop.hive.serde2.io.HiveVarcharWritable cannot be cast to org.apache.hadoop.hive.common.type.HiveVarchar when joining tables
- [HIVE-9278](#): Cached expression feature broken in one case
- [HIVE-9316](#): TestSqoop tests in WebHCat testsuite hardcode libdir path to hdfs
- [HIVE-9351](#): Running Hive Jobs with Tez cause templetion to never report percent complete

- [HIVE-9359](#): SUMMARY-[Hive export OOM error when table is huge. (32TB data, 4800+ partitions)]
- [HIVE-9382](#) : Query got rerun with Global Limit optimization on and Fetch optimization off
- [HIVE-9390](#): Enhance retry logic wrt DB access in TxnHandler
- [HIVE-9401](#): SimpleFetchOptimizer for limited fetches without filters
- [HIVE-9404](#) NPE in `org.apache.hadoop.hive.metastore.txn.TxnHandler.determineDatabaseProduct()`
- [HIVE-9436](#): SUMMARY-[RetryingMetaStoreClient does not retry JDOExceptions]
- [HIVE-9446](#): JDBC DatabaseMetadata.getColumns() does not work for temporary tables
- [HIVE-9473](#) : sql std auth should disallow built-in udfs that allow any java methods to be called
- [HIVE-9593](#): ORC reader should ignore new/unknown metadata streams.
- [HIVE-9652](#): STDERR redirection should not use in place updates TEZ UI
- [HIVE-9665](#): Parallel move task optimization causes race condition
- [HIVE-9673](#) : Set operationhandle in ATS entities for lookups
- [HIVE-9683](#): Client TCP keep-alive for Thrift as a workaround for THRIFT-2788
- [HIVE-9684](#): Incorrect disk range computation in ORC because of optional stream kind
- [HIVE-9743](#) Incorrect result set for vectorized left outer join
- [HIVE-9779](#) : ATSHook does not log the end user if doAs=false (it logs the hs2 server user)
- [HIVE-9836](#): Hive on Tez: fails when virtual columns are present in the join conditions (for e.g. partition columns)
- [HIVE-9841](#): IOException thrown by ORC should include the path of processing file
- [HIVE-9886](#): Tez NPE error when initialize reducer from 2 row_number function on each join side
- [HIVE-9892](#): HIVE schema failed to upgrade from HDP 2.0/2.1 to HDP 2.2 with schematool
- [HIVE-9832](#): Merge join followed by union and a map join in hive on tez fails.

1.3.7. Knox 0.5.0

HDP 2.2.6 provides Knox 0.5.0 and the following additional Apache patches:

- [KNOX-492](#): Support service level replayBufferLimit for Oozie, Hive and HBase.

1.3.8. Oozie 4.1.0

HDP 2.2.6 provides Apache Oozie 4.1.0 and the following additional Apache patch:

- [OOZIE-208](#): Adding missing oozie property `oozie.service.HadoopAccessorService.hadoop.configurations` to oozie install script.

1.3.9. Phoenix 4.2.0

HDP 2.2.6 includes Apache Phoenix 4.2.0 and the following additional Apache patches:

- [PHOENIX-18](#): Several tests are failing with `SequenceNotFoundException` error
- [PHOENIX-32](#): Some phoenix tests are failing with different assertion errors
- [PHOENIX-1248](#): `CsvBulkLoadTool` is failing with `IAE` when local index specified for `-index-table` parameter
- [PHOENIX-1336](#): Exception when select from local index: Cache of region boundaries are out of date
- [PHOENIX-1346](#): the choice of index by phoenix is not correct where do querying
- [PHOENIX-1362](#): Min/max aggregate query on `CHAR` and `BINARY` types always return null
- [PHOENIX-1427](#): Reduce work in `StatsCollector`
- [PHOENIX-1428](#): Queries with limit against tenant views is broken
- [PHOENIX-1429](#): Cancel queued threads when limit reached
- [PHOENIX-1431](#): DELETE using Subqueries
- [PHOENIX-1436](#) : The choice of index by phoenix is not correct where do querying
- [PHOENIX-1446](#): Add/fix logging for LIMIT optimization
- [PHOENIX-1447](#): Increase guidepost width default to take into account `FAST_DIFF` compression
- [PHOENIX-1448](#): Fix resource leak when work rejected by thread executor
- [PHOENIX-1449](#): Fix `PropertiesUtil.deepCopy()`
- [PHOENIX-1455](#): Replace `org.xerial.snappy` with `org.iq80.snappy` pure Java snappy implementation
- [PHOENIX-1456](#): Incorrect query results caused by reusing buffers in `SpoolingResultIterator`
- [PHOENIX-1462](#): Create unit test for `COUNT DISTINCT` using compression (Ram)
- [PHOENIX-1463](#): `phoenix.query.timeoutMs` doesn't work as expected

- [PHOENIX-1466](#): Prevent multiple scans when query run serially
- [PHOENIX-1467](#): Upgrade to 4.12 Junit and update tests by removing @Category annotation
- [PHOENIX-1468](#): Add org.iq80.snappy to client and server assemblies
- [PHOENIX-1469](#): Binary columns do not work correctly for indexing
- [PHOENIX-1472](#): Fix salt bucket for Integer.MIN_VALUE
- [PHOENIX-1473](#): Connecting with Phoenix client when Phoenix is not deployed on region server(s) takes down region server(s)
- [PHOENIX-1474](#): NPE when RVC between combined with key part comparison
- [PHOENIX-1476](#): Immediately open scanner for parallel queries
- [PHOENIX-1477](#): Phoenix 4.0 -> 4.2 upgrade doesn't work
- [PHOENIX-1480](#): Incorrect query results may occur when VIEW uses indexes from physical table
- [PHOENIX-1484](#): Index creation failed due to specifying DEFAULT_COLUMN_FAMILY option
- [PHOENIX-1485](#): Correct arg count in FunctionParseNode
- [PHOENIX-1485](#): Add timezone awareness
- [PHOENIX-1486](#): Fix SpooledTmpFileDeleteIT by having it use a different directory for pooling files
- [PHOENIX-1498](#): Turn KEEP_DELETED_CELLS off by default
- [PHOENIX-1500](#): Disallow mutations and queries using using PhoenixPreparedStatement.executeQuery() and executeUpdate() respectively
- [PHOENIX-1503](#): - Compilation on Mac OS fails on maven-assembly-plugin
- [PHOENIX-1532](#): Phoenix tarball assembly does not include server jar
- [PHOENIX-1533](#): Last key part not taken into child/parent optimization
- [PHOENIX-1537](#): Set reuseForks to false for integration tests
- [PHOENIX-1551](#): Upgrading from Phoenix 4.0.x to 4.2.2 and throw can't find SYSTEM.STATS
- [PHOENIX-1571](#): Replace hard-coded date
- [PHOENIX-1575](#): Identical sql type values for UNSIGNED_TIMESTAMP and UNSIGNED_DATE
- [PHOENIX-1592](#): ORDER BY not closing ResultIterator properly

- [PHOENIX-1596](#): Turning tracing on causes region servers to crash
- [PHOENIX-1601](#): Performance.py script not working in binary distribution

1.3.10. Pig 0.14.0

HDP 2.2.6 provides Apache Pig 0.14.0 and the following additional Apache patches:

- [PIG-156](#): Pig command fails because the input line is too long
- [PIG-4334](#): PigProcessor does not set pig.datetime.default.tz
- [PIG-4342](#): Pig 0.14 cannot identify the uppercase of DECLARE and DEFAULT
- [PIG-4377](#): Skewed outer join produce wrong result in some cases (PIG-4377-2.patch)
- [PIG-4377](#): Skewed outer join produce wrong result in some cases

1.3.11. Ranger 0.4.0

HDP 2.2.6 provides Ranger 0.4.0 and the following additional Apache patch:

- [RANGER-188](#): Added LSB headers to Ranger Admin/Usersync init.d scripts

1.3.12. Slider 0.61.0

HDP 2.2.6 provides Slider 0.61.0 and the following additional Apache patches:

- [SLIDER-769](#): Modify Slider app packages for seamless integration with AMS provider (Ambari Metrics Service)

1.3.13. Storm 0.9.3

HDP 2.2.6 provides Apache Storm 0.9.3 and the following additional patches:

- [STORM-586](#): TridentKafkaEmitter should catch updateOffsetException.
- [STORM-682](#): Supervisor should handle worker state corruption gracefully.

1.3.14. Tez 0.5.2

HDP 2.2.6 provides Apache Tez 0.5.2 and the following Apache patches:

- [TEZ-1642](#): TestAMRecovery sometimes fails.
- [TEZ-1775](#): Allow setting log level per logger.
- [TEZ-1800](#): Integer overflow in ExternalSorter.getInitialMemoryRequirement()
- [TEZ-1836](#): Provide better error messages when tez.runtime.io.sort.mb, spill percentage is incorrectly configured.

- [TEZ-1851](#): FileSystem counters do not differentiate between different FileSystems
- [TEZ-1852](#): Get examples to work in Local Mode.
- [TEZ-1861](#): Fix failing test: TestOnFileSortedOutput.
- [TEZ-1878](#): Task-specific log level override not working in certain conditions
- [TEZ-1924](#): Tez AM does not register with AM with full FQDN causing jobs to fail in some environments.
- [TEZ-1931](#): Publish tez version info to Timeline.
- [TEZ-1934](#): TestAMRecovery may fail due to the execution order is not determined.
- [TEZ-1942](#): Number of tasks show in Tez UI with auto-reduce parallelism is misleading.
- [TEZ-1949](#): Whitelist TEZ_RUNTIME_OPTIMIZE_SHARED_FETCH for broadcast edges
- [TEZ-1962](#): Fix a thread leak in LocalMode.
- [TEZ-2024](#): Compilation error due to conflict.
- [TEZ-2024](#): TaskFinishedEvent may not be logged in recovery.
- [TEZ-2037](#): Should log TaskAttemptFinishedEvent if taskattempt is recovered to KILLED
- [TEZ-2135](#): ACL checks handled incorrectly in AMWebController.

As part of HDP 2.2.6 Hortonworks is providing a Tez Debugging User Interface. This interface does not impact the behavior or function of jobs that leverage Tez, and its use is optional. Patches added to facilitate the Tez Debugging User Interface include:

- [TEZ-1990](#): Tez UI: DAG details page shows Nan for end time when a DAG is running.
- [TEZ-2031](#): Tez UI: horizontal scrollbars do not appear in tables, causing them to look truncated.
- [TEZ-2038](#): TEZ-UI DAG is always running in tez-ui when the app is failed but no DAGFinishedEvent is logged.
- [TEZ-2043](#): Tez UI: add progress info from am webservice to dag and vertex views.
- [TEZ-2052](#): Tez UI: log view fixes, show version from build, better handling of ats url config.
- [TEZ-2056](#): Tez UI: fix VertexID filter, show only tez configs by default, fix appattemptid.
- [TEZ-2063](#): Tez UI: Flaky log url in tasks table.
- [TEZ-2065](#): Setting up tez.tez-ui.history-url.base with a trailing slash can result in failures to redirect correctly.
- [TEZ-2068](#): Tez UI: Dag view should use full window height, disable webuiservice in localmode.

- [TEZ-2069](#): Tez UI: appld should link to application in dag details view.
- [TEZ-2077](#): Tez UI: No diagnostics on Task Attempt Details page if task attempt failed
- [TEZ-2078](#): Tez UI: Task logs url use in-progress url causing various errors.
- [TEZ-2079](#): Tez UI: trailing slash in timelineBaseUrl in ui should be handled.
- [TEZ-2092](#): Tez UI history url handler injects spurious trailing slash.
- [TEZ-2098](#): Tez UI: Dag details should be the default page for dag, fix invalid time entries for failed Vertices.
- [TEZ-2101](#): Tez UI: Issues on displaying a table.
- [TEZ-2102](#): Tez UI: DAG view has hidden edges, dragging DAG by holding vertex causes unintended click.
- [TEZ-2106](#): TEZ UI: Display data load time, and add a refresh button for items that can be refreshed.
- [TEZ-2112](#): Tez UI: fix offset calculation, add home button to breadcrumbs.
- [TEZ-2114](#): Tez UI: task/task attempt status is not available when its running.
- [TEZ-2116](#): Tez UI: dags page filter does not work if more than one filter is specified.
- [TEZ-2134](#): TEZ UI: On request failure, display request URL and server name in error bar.
- [TEZ-2136](#): Some enhancements to the new Tez UI.
- [TEZ-2142](#): TEZ UI: Breadcrumb border color looks out of place in wrapped mode.
- [TEZ-2158](#): TEZ UI: Display dag/vertex names, and task/attempt index in breadcrumb
- [TEZ-2160](#): Tez UI: App tracking URL should support navigation back.
- [TEZ-2165](#): Tez UI: DAG shows running status if killed by RM in some cases.

1.3.15. ZooKeeper 3.4.6

HDP 2.2.6 provides ZooKeeper 3.4.6 and the following additional Apache patches:

- [ZOOKEEPER-1506](#): Re-try DNS hostname -> IP resolution if node connection fails

1.4. Upgrading from HDP 2.2.x to HDP 2.2.6

HDP 2.2.6 is a maintenance release of HDP 2.2.x. If you already have HDP 2.2.x installed, upgrading your cluster to HDP 2.2.6 means:

- Keeping the same configuration files you used for HDP 2.2.x
- Keeping the same data and metadata in the same location you used for HDP 2.2.x

- Installing any new components (added for the first time in HDP 2.2.6) side-by-side with existing components

The following table summarizes HDP 2.2.x-to-2.2.6 upgrade options:

Cluster Management	Supporting Doc	Notes
Cluster managed manually	Use these Release Notes	If you have an earlier version of HDP (such as HDP 2.0 or HDP 2.1), see the HDP v. 2.2.6 Manual Upgrade Guide
Cluster managed via Ambari 1.7.0	Use these Release Notes	
Cluster managed via Ambari 2.0	Use the Upgrading Ambari Guide	Ambari 2.0 supports rolling upgrade between HDP 2.2.x and HDP 2.2.6

Before You Begin

- Make sure you know what HDP components need to be upgraded at your installation
- Think about whether you are going to upgrade using a [local repository](#) or a [remote repository](#)

Upgrade Procedure

To upgrade your cluster from HDP 2.2.x to HDP 2.2.6:

1. Download the appropriate HDP 2.2.6 hdp.repo file for your OS:

Operating System	Repository Location
RHEL/CentOS/Oracle LINUX 5	http://public-repo-1.hortonworks.com/HDP/centos5/2.x/updates/2.2.6.0/hdp.repo
RHEL/CentOS/Oracle LINUX 6	http://public-repo-1.hortonworks.com/HDP/centos6/2.x/updates/2.2.6.0/hdp.repo
SLES 11 SP1	http://public-repo-1.hortonworks.com/HDP/sles11sp1/2.x/updates/2.2.6.0/hdp.repo
SLES 11 SP3/SP4	http://public-repo-1.hortonworks.com/HDP/suse11sp3/2.x/updates/2.2.6.0/hdp.repo
Ubuntu 12	http://public-repo-1.hortonworks.com/HDP/ubuntu12/2.x/updates/2.2.6.3/hdp.list
Debian 6	http://public-repo-1.hortonworks.com/HDP/debian6/2.x/updates/2.2.6.3/hdp.list

or

Download the HDP RPM single repository tarball. (For information on how to install the repositories, see the [local repository](#) instructions.)

Operating System	Tarball Location
RHEL/CentOS/Oracle LINUX 5	http://public-repo-1.hortonworks.com/HDP/centos5/HDP-2.2.6.0-centos5-rpm.tar.gz
RHEL/CentOS/Oracle LINUX 6	http://public-repo-1.hortonworks.com/HDP/centos6/HDP-2.2.6.0-centos6-rpm.tar.gz
SLES 11 SP1	http://public-repo-1.hortonworks.com/HDP/sles11sp1/HDP-2.2.6.0-sles11sp1-rpm.tar.gz
SLES 11 SP3/SP4	http://public-repo-1.hortonworks.com/HDP/suse11sp3/HDP-2.2.6.0-suse11sp3-rpm.tar.gz
Ubuntu 12	http://public-repo-1.hortonworks.com/HDP/ubuntu12/HDP-2.2.6.3-ubuntu12-rpm.tar.gz

Operating System	Tarball Location
Debian 6	http://public-repo-1.hortonworks.com/HDP/debian6/HDP-2.2.6.3-debian6-rpm.tar.gz

2. Run an update:

```
apt-get update
```

3. Install the HDP 2.2.6 bits:

Operating System	Commands
RHEL/CentOS/Oracle LINUX	Install HDP 2.2.6 components on relevant nodes, according to the services that run on those hosts: <pre>yum install "hadoop_2_2_6_2800*" "oozie_2_2_6_2800*" "pig_2_2_6_2800*" "sqoop_2_2_6_2800*" "zookeeper_2_2_6_2800*" "hbase_2_2_6_2800*" "hive_2_2_6_2800*" "tez_2_2_6_2800*" "storm_2_2_6_2800*" "falcon_2_2_6_2800*" "flume_2_2_6_2800*" "phoenix_2_2_6_2800*" "accumulo_2_2_6_2800*" "mahout_2_2_6_2800*"</pre>
SLES	Install HDP 2.2.6 components on relevant nodes, according to the services that run on those hosts: <pre>zypper install "hadoop_2_2_6_2800*" "oozie_2_2_6_2800*" "pig_2_2_6_2800*" "sqoop_2_2_6_2800*" "zookeeper_2_2_6_2800*" "hbase_2_2_6_2800*" "hive_2_2_6_2800*" "tez_2_2_6_2800*" "storm_2_2_6_2800*" "falcon_2_2_6_2800*" "flume_2_2_6_2800*" "phoenix_2_2_6_2800*" "accumulo_2_2_6_2800*" "mahout_2_2_6_2800*"</pre>
Ubuntu/Debian	Install HDP 2.2.6 components on relevant nodes, according to the services that run on those hosts: <pre>apt-get install "hadoop_2_2_6_2800*" "oozie_2_2_6_2800*" "pig_2_2_6_2800*" "sqoop_2_2_6_2800*" "zookeeper_2_2_6_2800*" "hbase_2_2_6_2800*" "hive_2_2_6_2800*" "tez_2_2_6_2800*" "storm_2_2_6_2800*" "falcon_2_2_6_2800*" "flume_2_2_6_2800*" "phoenix_2_2_6_2800*" "accumulo_2_2_6_2800*" "mahout_2_2_6_2800*"</pre>

4. Stop all HDP 2.2.x Services.

If you are managing your cluster manually, stop all HDP 2.2.x Services. See "Controlling HDP Services Manually" in the *HDP Reference Guide*.

If you are managing your cluster with Ambari 1.7.0, do the following:

- a. Open Ambari Web
- b. Browse to **Services**
- c. Use **Service Actions** to stop each service

For all services, switch the active version to HDP 2.2.6.

On each host in the cluster, use `hdps-select` to switch all services to the HDP 2.2.6 version:

```
hdp-select set all $VERSION-$BUILD
```

5. (Ambari 1.7.0-managed clusters only) Complete the Stack Upgrade.

If you are managing your cluster with Ambari 1.7.0, update the repository Base URLs to use the HDP 2.2.6 repositories for HDP and HDP-UTILS:

- a. Open Ambari Web
- b. Browse to **Admin > Repositories**
- c. Edit the Base URLs

6. Start all HDP 2.2.6 services, in the following order:

a. ZooKeeper

```
su - zookeeper export ZOOCFGDIR=/usr/hdp/current/zookeeper-  
server/conf ; export ZOOCFG=zoo.cfg; source /usr/hdp/current/  
zookeeper-server/conf/zookeeper-env.sh ; /usr/hdp/current/  
zookeeper-server/bin/zkServer.sh start
```

b. (HA NameNode upgrade only) ZooKeeper Failover Controller Daemons

```
/usr/hdp/current/hadoop-hdfs-namenode/./hadoop/sbin/hadoop-  
daemon.sh start zkfc
```

c. (HA NameNode upgrade only) JournalNodes

```
su - hdfs /usr/hdp/current/hadoop-hdfs-journalnode/./hadoop/  
sbin/hadoop-daemon.sh start journalnode
```

d. HDFS NameNode(s)

Start the HDFS NameNode(s). Because there is no metadata schema update for this upgrade, start the NameNode(s) in normal mode:

```
su - hdfs /usr/hdp/current/hadoop-hdfs-namenode/./hadoop/  
sbin/hadoop-daemon.sh start namenode
```

e. Remaining Services

Start the rest of the HDP services. On each host in the cluster, start the services that are relevant to that cluster. To identify the start commands for all services, see "Controlling HDP Services Manually" in the *HDP Reference Guide*.

You now have an upgraded cluster. Ensure that your workloads run correctly on this upgraded cluster.

1.5. Fixed Issues

Fixed issues represents selected issues that were previously logged via Hortonworks Support, but are now addressed in the current release. These issues may have been

reported in previous versions within the Known Issues section; meaning they were reported by customers or identified by Hortonworks Quality Engineering team.

Potential Data Loss

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-34432	HADOOP-11482 , HDFS-7208	HDFS	NameNode doesn't schedule replication when a DataNode fails
BUG-34958	HDFS-7960 , HDFS-7575 , HDFS-7596	HDFS	The full block report should prune zombie storages even if they're not empty

Security

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-23732		YARN	Fix how ZooKeeperSecurity works with ResourceManager
BUG-31949		Ranger	In hive plugin TABLE policy restriction for all tables {{*}} fails when UDF policy for all functions {{*}} is maintained for a database.
BUG-33070	HBASE-13239	HBase	HBASE grants at specific column level does not work for Groups
BUG-33167		Hive	Hive does not prevent non-whitelisted config params from being set under certain conditions
BUG-33792		Ranger	Bundle oraclejdbc.jar with Ranger
BUG-33822		Ranger	Do not display the Tomcat SessionId as part of Audit report
BUG-34640		Ranger	Admin REST API appears to be open to password-less modifications
BUG-35442		Ranger	UserSync Process didn't sync the group when groups are added to the user at later time
BUG-35674		Hue	Support LDAP authentication via Hue to Hiveserver2

Incorrect Results

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-35606	YARN-2906	YARN	CapacitySchedulerPage shows HTML tags for a queue's Active Users
BUG-35923	TEZ-2397	Tez	Tez jobs can fail on a cluster with HDFS HA
BUG-36123	HDFS-8219	Ranger	setStoragePolicy with folder behavior is different after cluster restart

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-36124		Ranger	First name and last name fields should support underscores, dashes and space characters

Stability

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-32795		Hive	HIVE schema failed to upgrade from HDP 2.0/2.1 to HDP 2.2 with schematool
BUG-33402		Hive	HiveServer2 fails to start without kerberos ticket in place before starting.
BUG-33403		Hive	Tez job submission fails via WebHCat
BUG-33546	YARN-3393	YARN	Getting application(s) goes wrong when app finishes before starting the attempt
BUG-33904	HIVE-20085	Hive	Laterview on top of a view throws RuntimeException error
BUG-34033	HIVE-10208	Hive	Hive job via WebHCat now requires /tez-client/conf/tez-site.xml
BUG-34388	HDFS-4882	Hadoop Common, HDFS	Prevent the Namenode's LeaseManager from looping forever in checkLeases
BUG-34388	YARN-2992	YARN	ZKRMStateStore crashes due to session expiry
BUG-34682	HADOOP-11333	Hadoop Common, HDFS	Fix deadlock in DomainSocketWatcher when the notification pipe is full
BUG-34965	TEZ-2334	Tez	ContainerManagementProtocolProxy modifies IPC timeout configuration without making a backup copy
BUG-35600	YARN-2816	YARN	NM fail to start with NPE during container recovery
BUG-35601	YARN-2874	YARN	Dead lock in "DelegationTokenRenewer" which blocks RM to execute any further apps
BUG-35602	YARN-2340	YARN	Fixed NPE when queue is stopped during RM restart
BUG-35604	YARN-2414	YARN	RM web UI: app page will crash if app is failed before any attempt has been created
BUG-35605	YARN-2905	YARN	AggregatedLogsBlock page can infinitely loop if the aggregated log file is corrupted
BUG-36599	HBASE-13515 , HBASE-13169 , HBASE-13469 , HBASE-13518	HBase	Fixes to region replicas

Upgrade

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-33818		Knox	Persisted service registry is not updated to support HA after upgrade
BUG-34770		Knox	Persisted service registry is not updated to support HA after upgrade

Usability

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-34718	HIVE-9613	Hive	Select operator missing column, wrong results in multiple left outer join with sub queries
BUG-35606	YARN-2096	YARN	CapacitySchedulerPage shows HTML tags for a queue's Active Users
BUG-35923	TEZ-2397	TEZ	Tez jobs can fail on a cluster with HDFS HA
BUG-36123	HDFS-8219	Ranger	setStoragePolicy with folder behavior is different after cluster restart
BUG-36124		Ranger	First name and last name fields should support underscores, dashes and space characters

Performance

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-34296	HDFS-7531	HDFS	Improve the concurrent access on FsVolumeList.
BUG-35569		Falcon	Provide the ability to disable oozie dryrun while scheduling the Falcon process

Other

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-33342		Ranger	Setup Nexus proxy within openstack
BUG-33674		Phoenix	Support cross joins and comma-separated table list
BUG-33815		Ranger, Windows	Validation of Ranger settings is missing in MSI
BUG-34504		Ranger	Remove condition to copy DB driver jar file
BUG-34505		Phoenix	Unable to load tab delimited data via Phoenix
BUG-34523	FLUME-2586	Flume	HDFS Sink should have an option to try to rename even if close fails

Hortonworks Bug ID	Apache JIRA	Component	Summary
BUG-35266		Hive	Tez 2 sub queries with same group by key, when one set group by key empty, outer join on those group-by keys generate different wrong results depending on #reducers of the join
BUG-35340	HADOOP-11730	Hadoop Common	Running Jobs using S3n results in 'java.net.SocketTimeoutException' when using large >2G data sets
BUG-35343	HADOOP-11710	Hadoop Common	Make CryptoOutputStream behave like DFSOutputStream with respect to synchronization
BUG-35597	FLUME-2095	Flume	JMS source setup fails with "org.apache.flume.FlumeException: Could not lookup ConnectionFactory"
BUG-35643	HADOOP-11482	HDFS	Use correct UGI when KMSClientProvider is called by a proxy user
BUG-35670	HIVE-10421	Hive	StorageBasedAuthorizationProvider can't drop partitioned table with database prefix
BUG-36123	HDFS-8219	HDFS	. setStoragePolicy with folder behavior is different after cluster restart

1.6. Common Vulnerabilities and Exposures

- **CVE-2015-1772:** Apache Hive Authentication vulnerability in HiveServer2

Severity: Important

Vendor: Hortonworks

Versions Affected: HDP 1.2-2.2; fixed in HDP 2.1.15+ and 2.2.6+.

Users Affected: Users who use LDAP authentication mode in HiveServer2 and also have LDAP configured to allow unauthenticated (anonymous) binds.

Impact: See BUG-41739 and [HIVE-9934](#). LDAP services are sometimes configured to allow simple unauthenticated binds. When HiveServer2 is configured to use LDAP authentication mode (hive.server2.authentication configuration parameter is set to LDAP), with such LDAP configurations, it can allow users without proper credentials to get authenticated. This is more easily reproducible when Kerberos authentication is also enabled in the Apache Hadoop cluster.

Recommended Action: This vulnerability can be addressed in any one of the following ways:

- Upgrade to HDP 2.1 version newer than 2.1.15.0, or HDP 2.2 version newer than 2.2.6.0.

- Configure LDAP service to disallow unauthenticated binds. If the service allows anonymous binds, not having Hive authorization checks enabled can also expose this vulnerability.
- Update the Hive installation to use an authenticator with the fix. HiveServer2 LDAP authenticator is packaged in ldap-fix.tar.gz, which is available at <http://public-repo-1.hortonworks.com/security/ldap-fix.tar.gz>.

Please use the instructions in the README.txt for install and configuration instructions. Once there is a full HDP patch release available, this notice will be replaced with instructions for obtaining the new release.

1.7. Known Issues for HDP 2.2.6

Hortonworks Bug ID	Apache JIRA	Component/s	Summary
BUG-18450	HIVE-7160	Hive	Vectorization Udf: GenericUDFConcat, is not supported for String+Long
BUG-19255		Zookeeper	Uninstalling the ZooKeeper RPM does not remove all ZooKeeper directories
BUG-19911		Falcon	Ensure falcon windows installer takes secure cluster installation into account
BUG-19912		Falcon	Document how to configure Falcon on Kerberized HDP for Windows
BUG-19930		Falcon	Document entity management dashboard
BUG-20856		Hive	Column names are missing from join expression in Map join with CBO enabled
BUG-20866		Mahout	Mahout trainnb command fails with -c option
BUG-21166		Phoenix	testGetCaseInsensitiveDynCol fails intermittently throwing AssertionError
BUG-21254		HBase	hbck tool fixMeta flag not able to recreate deleted entries from hbase:meta table when just one column is deleted
BUG-21468		Hive	With CBO enabled queries fail with Failed to breakup Windowing invocations into Groups
BUG-22522		YARN	MR Job failed when run via oozie and NN and RM were being killed
BUG-22807		YARN	Non-secure slider app processes run with yarn user.
BUG-22841		HBase	HBase test failed with Insufficient permissions

Hortonworks Bug ID	Apache JIRA	Component/s	Summary
			(user=hrt_qa@HWQE.HORTONWORKS.COM error
BUG-23260	HIVE-11421	Hive	BUG-22878 insert after alter table issue
BUG-23527		Oozie	Oozie config referred to versioned hadoop config
BUG-23619		HBase	On Windows, tests fail complaining about Cannot run program /usr/bin/env
BUG-23655		Oozie	Oozie stuck on mapreduce job because workflow state isn't changing from RUNNING to KILLED
BUG-23889		Knox	Windows security scripting should setup Knox to use ActiveDirectory for LDAP
BUG-23897		HBase	HBase REST server continuously restarting in secure windows env
BUG-23981	HADOOP-7844=	HBase	IOException: Invalid HFile block magic in Windows unit tests
BUG-24136		Falcon	Special/utf8 chars should not be allowed in pipeline name
BUG-24518		Tez	Tez needs to support Application Tag
BUG-24589		Falcon	DR - set up replication for HDFS
BUG-24590		Falcon	DR - set up replication for Table
BUG-24591		Falcon	BUG-24589 UI Mock for setting up HDFS Replication
BUG-24592		Falcon	BUG-24589 Rest API design for HDFS replication
BUG-24594		Falcon	BUG-24590 UI Mock for setup table replication
BUG-24595		Falcon	BUG-24590 Rest API design for set up table replication
BUG-24597		Falcon	DR - delete replication for HDFS
BUG-24598		Falcon	DR - delete replication for Table
BUG-24831		Tez	TEZ windows test framework needs to respect \${fs.defaultFS} in tez configs.
BUG-25049		Knox	Two WebHdfsHaFuncTest are unstable and should be fixed and enabled
BUG-25064		Hive	Hive : Q51 fails in CBO with "Failed to breakup Windowing invocations into Groups. At least 1 group must only depend on input columns"

Hortonworks Bug ID	Apache JIRA	Component/s	Summary
BUG-25194		Tez	AM running out of memory for partitioned bucketed tables
BUG-25380		Tez	For hive to work with Virtual columns and paritition names, we need information available within a record-reader
BUG-25451		Accumulo	[Moved to Dal] Integrate Accumulo in RU Automation Frame work
BUG-25961		HBase	HBase tests failing with org.apache.hadoop.hbase.NotAllMetaRegionsOnTimed out; 10000ms
BUG-26243		Hive	CBO : Q51 fails in explain with Failed to breakup Windowing invocations into Groups.
BUG-26307		Falcon	As a user, I need to be able to replicate the action of creating new database at the target Hive DB
BUG-26309		Falcon	As a user, I need to be able to replicate the action of dropping a database at the target Hive DB
BUG-26310		Falcon	As a user, I need to be able to replicate the action of altering database at the target Hive DB
BUG-26311		Falcon	As a user, I need to be able to replicate the action of creating new table at the target Hive DB
BUG-26312		Falcon	As a user, I need to be able to replicate the action of dropping a table at the target Hive DB
BUG-26313		Falcon	As a user, I need to be able to replicate the action of altering a table at the target Hive DB
BUG-26314		Falcon	As a user, I need to be able to replicate the action of inserting rows into unpartitioned table at the target Hive DB
BUG-26315		Falcon	As a user, I need to be able to replicate the action of inserting and overwriting rows into unpartitioned table at the target Hive DB
BUG-26318		Falcon	As a user, I need to be able to replicate the action of altering a partition in a table at the target Hive DB
BUG-26319		Falcon	As a user, I need to be able to replicate the action of inserting rows into a

Hortonworks Bug ID	Apache JIRA	Component/s	Summary
			partition of a table at the target Hive DB
BUG-26320		Falcon	As a user, I need to be able to replicate the action of inserting and overwriting rows into a partition of a table at the target Hive DB
BUG-26322		Falcon	As a user, I need to be able to replicate Date partitions at the target Hive DB
BUG-26323		Falcon	As a user, I need to be able to replicate Site partitions at the target Hive DB
BUG-26324		Falcon	As a user, I need to be able to replicate Regex partitions at the target Hive DB
BUG-26325		Falcon	As a user, I need to be able to replicate custom non standard partitions at the target Hive DB
BUG-26326		Falcon	As a user, I need to be able to replicate multiple tables at once in a database at the target Hive DB
BUG-26327		Falcon	As a user, I need to be able to replicate multiple table names (defined by regular expressions) at the target Hive DB
BUG-26328		Falcon	As a user, I need to be able to replicate Avro partitions at the target Hive DB
BUG-26329		Falcon	As a user, I need to be able to replicate dynamic partitions at the target Hive DB
BUG-26330		Falcon	As a user, I need to be able to replicate hive roles at the target Hive DB
BUG-26419		Tez	Tez application fails with diff client and AM version
BUG-26428		Ranger	XaAdmin and XaAgent jobs for Debian failing on Unix clusters.
BUG-26661		Phoenix	Windows runs failed with "region isn't co-located with its data" exception
BUG-26944		Falcon, Oozie	E0803: IO error, null during scheduling feed on a cluster with wire enc on
BUG-27089		Knox	Knox YarnSysTest skipped in secure mode for gsInstaller test config
BUG-27091		Knox	Knox YarnSysTest skipped in secure mode for ambari test config

Hortonworks Bug ID	Apache JIRA	Component/s	Summary
BUG-27094		Knox	Knox HBase tests skipped for ambari test config
BUG-27194		YARN	[YARN-2821] Failures encountered on Distributed Shell on windows
BUG-27256		HBase	Create mr based Hbase Long running application for Rollingupgrade
BUG-27479		Falcon	falcon idempotency is being violated
BUG-27507		Hive	Hive CLI returns 0 even in case of failures
BUG-27509	HBASE-12464	HBase	test_ReplicaCopyTable_verifyCopyTable[tableone] fails after trying several times for 'Failed to find location, tableName=hbase:meta, row='
BUG-27513		Storm	Storm-slider default config has ganglia error in supervisor.log
BUG-27562		Tez	WordCount on Tez with non-nightly failed with NPE
BUG-27582		Hive	Beeline Client Connections Errors - Obscure errors and exception swallow - 1
BUG-27590		YARN	Distributed shell job does not execute python script in Windows
BUG-27632		Zookeeper	Add feature of retry in zookeeper client
BUG-27636	HIVE-10500	Hive	Oracle: intermittent acid_concurrency test failures due to NoSuchLockException
BUG-27638		Falcon	DEV - As a user i need a login page when i run Falcon as a standalone app
BUG-27639		Falcon	DEV - As a user, i need a way to logout when logged in the standalone version of Falcon
BUG-27656	HBASE-12472 , HBASE-13192	HBase	IntegrationTestBulkLoad fails on mapreduce
BUG-27708		Falcon	DEV - When uploading an XML of a cluster that already exists (same name) the system allows the operation
BUG-27734		Falcon	DEV - Column titles should have 14px size
BUG-27737		Falcon	DEV - When loading the dashboard, the system should show a spinning loader for tables that are updating, and just a

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			plain message for columns without entities
BUG-27756		HBase	test_IntegrationTestMultiGetRegionReplicas slowness
BUG-27769		Sqoop	[Rolling upgrade] [Test issue] Sqoop Long running job finishes before upgrade of all component finishes
BUG-27858		HBase	HBase HA tests fail with Table Namespace Manager not ready yet
BUG-27893		Phoenix	testCurrentDate and testCurrentTime are failing due to NTP on windows server
BUG-27927		Falcon	DEV - Correct the steps information
BUG-27928		Falcon	DEV - The form needs a "Target Clusters" title and "add cluster" button in step 4 of feed setup
BUG-27929		Falcon	DEV - Put a label before the input and add archive option in step 4 of feed setup
BUG-27933		Falcon	DEV - Each cluster or input container must have it's title
BUG-27936		Falcon	DEV - Correct vertical spacings between labels and inputs in all setups
BUG-28011		Phoenix	testInnerJoinWithPreFilters and testJoinOverSaltedTables are failing with SequenceNotFoundException exception
BUG-28031		Knox	Knox rolling upgrade system test support for wire encryption
BUG-28039	KNOX-534	Knox	Knox Failed Authentication Auditing
BUG-28049		Falcon, RelEng	lineage is not enabled for Falcon in MSI
BUG-28080	FALCON-885	Falcon	Merge falcon-885 to internal repo for Champlain-M10
BUG-28218		Hive	Hive CLI hangs
BUG-28276		Falcon	Falcon actions intermittently fail with java.net.SocketTimeoutException on windows
BUG-28344		Falcon	DEV - XML editor should only be able to change it's vertical size, not horizontal
BUG-28348		Falcon	DEV - Increase vertical spacing in the space for the action buttons

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BUG-28394		Falcon	DEV - Correct font sizes in forms
BUG-28614		Oozie	Oozie property oozie.authentication.kerberos.principal is being used for authentication of webhdfs endpoint
BUG-28664		Falcon	DEV - Fix layout for user generated inputs
BUG-28977	FALCON-959	Falcon	Unable to update feed's acl to a different user of different group
BUG-29261		Phoenix	Tests are failing with ERROR 1200 and then raising an error due to jobManager rejection
BUG-29287		Falcon	Backport https://issues.apache.org/jira/browse/FALCON-829
BUG-29427	HIVE-9235	Hive	Turn off Parquet Vectorization until all data types work: DECIMAL, DATE, TIMESTAMP, CHAR, and VARCHAR
BUG-29730		Storm	Storm Hive,Hbase, Hadoop connector should support user specified UGI in non-secure env
BUG-29864	FALCON-1101	Falcon	Cluster submission in falcon does not create an owned-by edge
BUG-29903		HBase	IntegrationTestMTTR slowness
BUG-30055		Falcon	Falcon recipe should have rest api
BUG-30784	ZOOKEEPER-1952	Zookeeper	zookeeper.log.file property is not respected; log output goes only to the zookeeper.out
BUG-30984	HIVE-10521	Hive	Hive compaction tests failing
BUG-31349		Oozie	oozie job in running state is causing intermittent timeout failures
BUG-31353		HBase	IntegrationTestRegionReplicaPerf region not serving
BUG-31426		Oozie, RelEng	Oozie failed to start due to "SA" schema not created
BUG-31497		Phoenix	[RollingUpgrade] Phoenix intermittently fails to return every column on sql queries
BUG-31522		Tez	You cannot search by the name of 'Queue'
BUG-31565		Tez	When you kill a job in the middle of running it, it Diagnostics shows 'killed/failed due to:null'.

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BUG-31624		Hive	Dropping a 2000+ partition table takes over 10 minutes
BUG-31671		Hive	HS2 concurr tests intermittently fail with http mode on secure Openstack throwing org.apache.hive.service.auth.HttpAuthenticationException: Kerberos authentication failed
BUG-31676		Falcon	Falcon jar uploading occasionally fails
BUG-31936		HBase	test_hbaseBigLinkedList[Loop] TimeoutException
BUG-31943		HBase	test_IntegrationTestRegionReplicas region not serving
BUG-32026		Oozie	test_mapred_via_oozie_hadoopoozie-nn-rm-5-jobs] FAILED
BUG-32195		HBase	Need to add hbase-slider RU downgrade
BUG-32509		HBase	test_runIntegrationTestMTTRwithDistributedLogs due to failure in testKillRsHoldingMeta
BUG-32688		Storm	kafka/api/OffsetRequest is not packaged in storm-kafka-example jar
BUG-32763		Oozie	yum cannot find Xvfb for centos06
BUG-32768	FALCON-954	Falcon	CLONE - Secure Kerberos setup : Falcon should periodically revalidate security credentials.
BUG-32902		Falcon	Falcon pom.xml should not use exact HDP versions for Hive,Oozie and Hadoop
BUG-33054		RelEng, Spark	Spark examples are packaged differently on Windows
BUG-33056		Spark	{start,stop}-thriftserver equivalent script on Windows is missing
BUG-33113		HBase	HBase-HA master fail over immediately
BUG-33168		Hive	hive authorization checks on configs should not be done if authorization is disabled
BUG-33180		Oozie	oozie logging tests fail on MR framework with postgres 9
BUG-33278	HBASE-13239	HBase	HBASE grants at specific column level does not work for Groups
BUG-33335		Spark	spark make-distribution.sh doesn't evaluate SPARK_HIVE on OSX

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BUG-33338	HIVE-10528	Hive	Hiveserver2 in HTTP mode is not applying auth_to_local rules
BUG-33764		HDP stack	HDP-Select needs to handle user-created directories in /usr/hdp
BUG-35528		Ranger	Users must remove empty user entries from their MYSQL database Error: Internal Exception: java.sql.SQLException: Connections could not be acquired from the underlying database!
BUG-35942		YARN	Users must manually configure ZooKeeper security with ResourceManager High Availability.
BUG-38088	HDFS-7553	HDFS	Issue: DataNode restart fails during Rolling Upgrade from 2.2.x-2.2.6 to 2.3.x. Details: Not all writers have responder running, but sendOOB() tries anyway. This causes NPE and the shutdown thread dies, halting the shutdown after only shutting down DataXceiverServer. Workaround: Two possible workarounds: <ul style="list-style-type: none">• Skip the failed datanodes, downgrade them and try to upgrade them again.• Manually restart the failed datanodes. Related bugs: BUG-38088, BUG-36247, BUG-38009
BUG-40259		Ranger	Issue: Upgrade to HDP 2.2.6 breaks usersync. Details: Ranger in HDP 2.2.6 introduced authentication between usersync and the admin REST API. If you upgrade to HDP 2.2.6, there will be a previous version of /etc/ranger/usersync/conf/unixauthservice.properties and {{ /etc/ranger/admin/conf/security-applicationContext.xml }} in place. Because setup.sh treats these files as templates, it expects certain base content to be there in

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			<p>order to generate correct configurations. It looks like there is new configuration in the default templates (the ones in /usr/hdp/2.2.6.0-2800/etc/ranger/...) that will not get pulled into the live configs. This results in usersync pulling 401 errors every time it tries to add/modify a user.</p> <p>Workaround:</p> <ol style="list-style-type: none"> 1. Apply to the copy files: <pre data-bbox="1182 646 1427 947">/usr/hdp/2.2.6.0-2800/etc/ranger/usersync/conf/unixauthservice.properties -> /etc/ranger/usersync/conf/unixauthservice.properties /usr/hdp/2.2.6.0-2800/etc/ranger/admin/conf/security-applicationContext.xml -> /etc/ranger/admin/conf/security-applicationContext.xml</pre> 2. Rerun setup.sh. 3. Restart admin. 4. Restart usersync.
BUG-50531		Kafka	<p>Kafka file system support</p> <p>Issue: Encrypted file systems such as SafenetFS are not supported for Kafka. Index file corruption can occur.</p> <p>For more information, see: Install Kafka.</p>