

Hortonworks Data Platform

Ambari 2.2.0 Release Notes

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Hortonworks Data Platform : Ambari 2.2.0 Release Notes

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1. Release Notes Ambari - 2.2

RELEASE NOTES: Apache Ambari 2.2

The Ambari 2.2 Release Notes summarize and describe the following information released in Ambari 2.2:

- [New Features](#)
- [Behavioral Changes](#)
- [Patch Information](#)
- [Known Issues](#)
- [Fixed Issues](#)

1.1. New Features

The Ambari 2.2 release includes the following new features and improvements:

Table 1.1. Core Ambari

| Feature | Description |
|--|---|
| Express HDP Upgrade AMBARI-13407 | New Express Upgrade option for HDP upgrades. See the Ambari Upgrade Guide for more information. |
| Ambari Web User Inactivity Timeout AMBARI-13419 | Ability to configure automatic logout due to inactivity for Ambari Web users. See the Ambari Reference Guide for more information. |
| Manage KDC Admin Credentials AMBARI-13449 | Ability to store and manage the KDC Admin credentials. See the Ambari Security Guide for more information. |
| Export Metric Widget Graph AMBARI-13313 | Ability to export the Ambari Web metric widget graph data in CSV or JSON format. |
| User Configurable timezones AMBARI-13293 | Ability for users to set timezone used to display Ambari Web metric widget graphs. |
| Selectable time range for graphs AMBARI-13331 | Ability to select the time range display for Ambari Web Dashboard and Host Details pages. |
| Blueprints: Ranger AMBARI-13421 | This feature is Technical Preview . Support for installing a cluster via a Blueprint that includes Ranger components, Ranger plugins and Ranger HA configuration. |
| Blueprints: Kerberos AMBARI-13431 | This feature is Technical Preview . Support for installing a cluster via a Blueprint that has Kerberos enabled. |
| Blueprints: Recommendations AMBARI-13487 | This feature is Technical Preview . Support for applying Stack Advisor recommendations when installing a cluster via a Blueprint. |

Table 1.2. HDP Stack

| Feature | Description |
|---|---|
| Ranger Guided Configs AMBARI-13263 | Service Configs for Ranger include new UI controls and improved organization/layout. This is available with HDP 2.2 or later. |

1.2. Behavioral Changes

Ambari 2.2 introduces the following changes in behavior as compared to previous Ambari versions:

Table 1.3. Ambari 2.2 Behavioral Changes

| Apache Jira | HWX Jira | Title | Description |
|--|-----------|-------------------------------------|--|
| AMBARI-13241 AMBARI-13251 | BUG-45125 | DataNode Mount Directory List | The <code>hadoop-env/dfs.datanode.data.dir.mount.file</code> configuration property is no longer customizable from Ambari. The original default value of <code>"/etc/hadoop/conf/dfs_data_dir_mount.hist"</code> is now <code>"/var/lib/ambari-agent/data/datanode/dfs_data_dir_mount.hist"</code> , which is not customizable. On Ambari Agent upgrade, Ambari will automatically move the file from <code>"/etc/hadoop/conf/dfs_data_dir_mount.hist"</code> to <code>"/var/lib/ambari-agent/data/datanode/dfs_data_dir_mount.hist"</code> . If you have not modified this configuration property, no action is required. If you had previously modified this value, after upgrading to Ambari 2.2, you must restart your DataNodes for the file to be written to the new location. |
| AMBARI-12901 AMBARI-13062 | BUG-42230 | Kerberos: Storm Headless Principal | The Ambari "headless" principal for Storm now includes <code>\${cluster-name}</code> by default. Be sure to check the Ambari Principal names (on the Configure Identities step) when enabling Kerberos. This is very important when upgrading from Ambari 2.0 or earlier to Ambari 2.2. |
| AMBARI-13067 | BUG-43905 | Kafka Rolling Restart Action | Kafka Service Actions include an option for Rolling Restart of Kafka Brokers. This should be used in lieu of Restart All, which can result in Brokers failing to elect a leader while stopping. |
| AMBARI-9784 | BUG-32201 | JDK Support | Added support for JDK 1.8 and removed support for JDK 1.6. You must upgrade to JDK 1.7 in your current Ambari before upgrading to Ambari 2.2. |
| AMBARI-9791 | BUG-32223 | OS Support | Added support for RHEL/CentOS/Oracle Linux 7 and removed support for RHEL/CentOS/Oracle Linux 5. You must be running RHEL/CentOS/Oracle Linux 6 or 7 before upgrading to Ambari 2.2. |
| AMBARI-6646 | RMP-3096 | Rack Awareness | Added support for HDFS Rack Awareness. If you currently configured HDFS for rack awareness using your own topology script, that configuration will stay in place. If you want to switch to use Ambari Rack Awareness features, you will need to update the HDFS <code>net.topology.script.file.name</code> property to use the Ambari-generated script: <code>/etc/hadoop/conf/topology_script.py</code> . |
| AMBARI-10506 | BUG-33967 | SSL Client and Server Configuration | Added support for managing <code>ssl-client</code> and <code>ssl-server</code> HDFS configurations. If you are currently managing these files manually across the hosts in your cluster, you will need to migrate management to Ambari. |
| AMBARI-12258 | BUG-40449 | ambari-env.sh Backup | During Ambari upgrade, the existing <code>ambari-env.sh</code> file is overwritten and a backup copy of <code>ambari-env.sh</code> (with extension <code>.rpmsave</code>) is created. If you have manually modified <code>ambari-env.sh</code> (for example, to change Ambari Server heap), you will need to re-apply your changes to the new file. |

| Apache Jira | HWX Jira | Title | Description |
|------------------------------|-----------|--|---|
| AMBARI-10648 | BUG-34434 | Heatmaps | The Ambari Web Dashboard > Heatmaps tab includes a list of all heatmaps available for the hosts and services in the cluster. In addition, each Service that has Heatmaps also include a Service > Heatmaps tab with the list of the heatmaps specific to that Service. For example, HDFS and YARN include a heatmaps tab under their respective Services. |
| AMBARI-9794 | BUG-32000 | Config Organization | The new Guided Configs features changes the layout + controls of Service Configs for HDFS, YARN, Hive and HBase. Under the Service > Configs tab, you will see sub-tabs "Settings" and "Advanced". The Settings tab include the most commonly used configuration properties for that service. The Advanced tab includes all other properties (with a layout similar to previous Ambari releases), including the Custom sections where you can add custom properties to a service configuration. |
| AMBARI-10400 | BUG-34054 | Sudo Usage | When Ambari Agents are configured to run as non-root, Ambari will use sudo to execute commands. Therefore, sudo must be available in order to run non-root Agents. If you are not running a non-root Agent configuration, sudo will not be used to execute commands. |
| | | Removed SLES 11 SP1 Support | SLES 11 SP1 or SP3 can be used with Ambari when installing and managing HDP 2.2 or 2.1 clusters. SLES 11 SP1 cannot be used with Ambari installing and managing HDP 2.3. You must use SLES 11 SP3. |
| | | HDP 2.1 Support Deprecated | Ambari support for HDP 2.1 is deprecated with Ambari 2.2. Support for these HDP 2.1 will be removed in a future Ambari release. |
| | | HDP 2.0 Support Removed | Ambari support for installing and managing HDP 2.0 has been removed. Before upgrading to Ambari 2.2, you must first upgrade to HDP 2.2 using either Ambari 1.7 or 2.0 . Once running HDP 2.2, you can upgrade your current Ambari to Ambari 2.2. |
| | | HDP 2.1 to HDP 2.2 Upgrade | Ambari 2.1 does not support directly upgrading from HDP 2.1 to HDP 2.2. In order to upgrade from HDP 2.1, you must first upgrade to HDP 2.2 using either Ambari 1.7 or 2.0 . Once completed, upgrade your current Ambari to Ambari 2.2. |
| | | HDP 2.3.0 and 2.3.2 ATS Support | With newer maintenance releases of HDP 2.3 (2.3.4 or latest), the ATS component of YARN supports a new store configuration. Therefore, if attempting to install HDP 2.3.2 or earlier with Ambari, you will need to modify the store-class used by YARN ATS to work with the earlier LevelDB store. Refer to the Troubleshooting Guide for more information. |
| | | Internet Explorer Support | Removed support for Internet Explorer 9 and added supported support for Internet Explorer 10. |
| | | Kafka Version shows as 0.9.0 with HDP 2.3.2 or 2.3.0 | If you use Ambari 2.2 with HDP 2.3.2 or earlier, the Kafka version listed shows as 0.9.0 in Ambari Web under Admin > Services. This is incorrect. The Kafka version is 0.8.2 when using HDP 2.3.2 or 2.3.0. Kafka 0.9.0 is available if using HDP 2.3.4 or later. |

1.3. Patch Information

Ambari 2.2 is based on Apache Ambari 2.2.0 release "[\(release-2.2.0\)](#)" and the following patches.

Table 1.4. Apache Ambari 2.2.0 Patches

| Apache Jira | Description |
|------------------------------|--|
| AMBARI-14437 | Unable To Restart HCat Client When Not Colocated With WebHCat Server |

| Apache Jira | Description |
|------------------------------|--|
| AMBARI-14428 | Spark client and History Server failed to deploy from first try on HDP-2.3.0.0 |
| AMBARI-14421 | Spark thrift cannot start with umask 027 |
| AMBARI-14405 | RU: Finalize Downgrade failed |
| AMBARI-14400 | Spark server restart failed (java.lang.NumberFormatException) causing express upgrade to fail. |
| AMBARI-14390 | EU from HDP 2.1 to 2.3 added NULL properties |

1.4. Known Issues

Ambari 2.2 has the following known issues, scheduled for resolution in a future release. Also, refer to the [Ambari Troubleshooting Guide](#) for additional information.

Table 1.5. Ambari 2.2 Known Issues

| Apache Jira | HWX Jira | Problem |
|-------------|-----------|---|
| | BUG-50231 | After upgrading to Ambari 2.2, the Oozie configuration is not properly set, which can cause issues. |
| | BUG-50160 | If your cluster includes more than one HiveServer2 component, when you perform an Express Upgrade, the upgrade fails. |
| | BUG-50158 | If your cluster includes more than one Hive Metastore component, when you perform an Express Upgrade, the upgrade fails. |
| | BUG-50125 | When upgrading to HDP 2.3.2 on Ubuntu or Debian, you are using custom service accounts, the upgrade fails. |
| | BUG-50106 | In an environment with umask 027 and after an Express Upgrade, enable Kerberos fails when trying to start the Hive service. |
| | BUG-50044 | When using HDP 2.3 and adding Atlas Service to a cluster that includes Hive, the Atlas Metadata service fails to start. |

| Apache Jira | HWX Jira | Problem |
|------------------------------|-----------|--|
| | | |
| | BUG-49992 | <p>If you have performed a cluster install via Blueprints, adding a ZooKeeper Server via Ambari Web</p> <pre>Traceback (most recent call last): File "/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 179, in <module> ZookeeperServer().execute() File "/usr/lib/python2.6/site-packages/ line 219, in execute method(env) File "/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 70, in install self.configure(env) File "/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 49, in configure zookeeper(type='server', upgrade_type=upgrade_type) File "/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 89, in thunk return fn(*args, **kwargs) File "/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 82, in zookeeper myid = str(sorted(params.zookeeper_hosts).index(params.hosts[0]))</pre> |
| | BUG-49740 | When performing a Blueprint cluster install without Tez, YARN ATS shows an alert. |
| AMBARI-14352 | BUG-49296 | During a Rolling or Express Upgrade , intermittent failure when clicking Pause Cluster . |
| | BUG-49945 | When adding a host to a cluster and re-using a hostname without cleaning-up the previous HDP V |
| | BUG-47666 | SNMPv3 is not supported. |
| | BUG-46157 | If using HDP 2.1 and Ambari 2.2, then the user may not add services after registering a repo for H |
| | BUG-49728 | When adding a ZooKeeper service, Kafka property is not updated. |
| | BUG-41044 | After upgrading from HDP 2.1 and restarting Ambari, the Admin > Stack and Versions > Versions |
| AMBARI-12389 | BUG-41040 | After adding Falcon to your cluster, the Oozie configuration is not properly updated. |
| AMBARI-12412 | BUG-41016 | Storm has no metrics if service is installed via a Blueprint. |

| Apache Jira | HWX Jira | Problem |
|------------------------------|-----------|---|
| | BUG-40773 | Kafka broker fails to start after disabling Kerberos security. |
| | BUG-40694 | The Slider view is not supported on a cluster with SSL (wire encryption) enabled. |
| | BUG-40541 | If there is a trailing slash in the Ranger External URL the NameNode will fail to startup. |
| AMBARI-12436 | BUG-40481 | <p>Falcon Service Check may fail when performing Rolling Upgrade, with the following error:</p> <pre> 2015-06-25 18:09:07,235 ERROR - [main:] ~ Failed to start ActiveMQ JMS Message Broker. Reason: java.io.IOException: Invalid location: 1:6763311, : java.lang.NegativeArraySizeException (BrokerService:528) java.io.IOException: Invalid location: 1:6763311, : java.lang.NegativeArraySizeException at org.apache.kahadb.journal.DataFileAccessor.readRecord(DataFileAccessor.java:94) </pre> <p>This condition is rare.</p> |
| | BUG-40323 | After switching RegionServer ports, Ambari will report RegionServers are live and dead. |
| AMBARI-12283 | BUG-40300 | After adding or deleting ZooKeeper Servers to an existing cluster, Service Check fails. |
| AMBARI-12005 | BUG-24902 | Setting cluster names hangs Ambari. |

1.5. Fixed Issues

The following table lists selected issues resolved in Ambari 2.2:

| Category | Apache Jira | HWX Jira | Summary |
|----------|------------------------------|-----------|--|
| Other | AMBARI-12362 | BUG-45219 | NFSGateway reports wrong count after manual stack upgrade |
| Other | AMBARI-12873 | BUG-44998 | Handle Oracle DB connection string when not running port 1521 |
| Other | AMBARI-13151 | BUG-44534 | Multiple Oozie Servers can be added with Install Wizard and ASW |
| Other | AMBARI-13200 | BUG-42195 | Pig View has incorrect class <code>org.apache.hcatalog.pig.HCatLoader()</code> ; being loaded with the pre |
| Other | AMBARI-13212 | BUG-44659 | There is no need to put 700 for /user/hive directory, or at least make it configurable |
| Other | AMBARI-13226 | BUG-44989 | Second ambari-server silent-mode setup does not switch DB - add unit tests |
| Other | AMBARI-13227 | BUG-44515 | Debian 7. Host check does not show warning about THP enabled on hosts. |
| Other | AMBARI-13256 | BUG-44957 | configs.sh cannot add name-value pair to an empty config |
| Other | AMBARI-13281 | BUG-45448 | Hive View [Visualization] Enhancements |
| Other | AMBARI-13284 | BUG-42903 | HostCleanup script does not work for hosts that are manually registered |

| Category | Apache Jira | HWX Jira | Summary |
|-------------|--|-----------|---|
| Other | AMBARI-13297 | BUG-45208 | change nimbus.monitor.freq.secs=120 in ambari |
| Other | AMBARI-13317 | BUG-45331 | API call to load Host Component links on Service dashboard should be independent of metrics. |
| Other | AMBARI-13322 | BUG-44979 | Should not log "unable to get latest URL" as ERROR |
| Other | AMBARI-13338 | BUG-45529 | Ambari Web should surface HTTP 413 error |
| Other | AMBARI-13343 | BUG-46175 | Ambari Hive View should be able to talk HTTP to HS2 |
| Other | AMBARI-13344 , AMBARI-13345 | BUG-46283 | Views: HDFS API utility needs to work with WASB |
| Other | AMBARI-13356 | BUG-43525 | Manual commands given by Ambari are incorrect when yarn.timeline-service.leveldb-timeline-store.path is non-default |
| Other | AMBARI-13360 | BUG-45770 | Redundant links to Ganglia Web UI |
| Other | AMBARI-13361 | BUG-45492 | Ambari does not install phoenix if one enables phoenix after cluster install is done |
| Other | AMBARI-13376 | BUG-44852 | Prioritize point in time queries to JMX endpoints |
| Other | AMBARI-13388 | BUG-45786 | Update hbase-env config without removing custom changes |
| Other | AMBARI-13390 | BUG-45000 | Unable to set user value for kafka-broker/ kafka.metrics.reporters |
| Other | AMBARI-13394 | BUG-45318 | Save checkpoint window does not appear for hosts operations |
| Other | AMBARI-13523 | BUG-44021 | Ambari should expose storm log4j configs |
| Other | AMBARI-13538 | BUG-44881 | Allow special characters in Ranger passwords |
| Other | AMBARI-13540 | BUG-46590 | Emails Dispatched From Ambari Are Not RFC 2822 Compliant And May Be Rejected |
| Other | AMBARI-13585 | BUG-46215 | Flume metrics do not match up with data being processed by storm in our streaming pipeline |
| Other | AMBARI-13598 | BUG-46156 | flume metrics show 0 numbers on the y axis even though the graph has data |
| Other | AMBARI-13606 | BUG-46998 | Files View: Enable to preview files in WEBHDFS |
| Other | AMBARI-13641 | BUG-45708 | Various metrics show no data available - when HA enabled |
| Other | AMBARI-13693 | BUG-46963 | Ambari Blueprint sets inconsistent Yarn RM values |
| Other | AMBARI-13809 | BUG-47368 | In an upgraded cluster: JDK 1.8 option not available in ambari-server setup |
| Other | AMBARI-13866 | BUG-47778 | SNMPv3 option for SNMP Alert Notification needs to be removed |
| Other | AMBARI-13884 | BUG-47679 | Devdeploy: Knox service check have started before the Knox start action |
| Other | AMBARI-13899 | BUG-45879 | Spark config with hdp.version info |
| Other | AMBARI-13938 | BUG-46800 | Select on large BIGINT in Ambari Hive View returns incorrect value |
| Other | AMBARI-13953 | BUG-44679 | Config types, incorrect number of selected=1 |
| Other | AMBARI-13988 | BUG-48443 | Hive View : Upload Table Tab : if selected database is default then data does not show in table |
| Other | AMBARI-14218 | BUG-40737 | Table does not have all the vertices for outputs after CTAS queries |
| Other | RANGER-741 | BUG-47984 | Audit to DB properties are required to be filled even if user doesn't want to use DB auditing |
| Performance | AMBARI-12537 , AMBARI-13833 | BUG-41531 | Blueprints Cluster configuration task thread should not wait indefinitely |
| Performance | AMBARI-13147 | BUG-44719 | Heatmaps page: page hangs for a while on HDFS metrics |
| Performance | AMBARI-13275 | BUG-45196 | Comparing of config versions works incorrectly for DBs |

| Category | Apache Jira | HWX Jira | Summary |
|---------------------|------------------------------|-----------|--|
| Performance | AMBARI-13290 | BUG-45433 | Set kafka userid ulimit open files to 32k for kafka broker through Ambari |
| Performance | AMBARI-13473 | BUG-45511 | Navigation between pages in installer too long |
| Performance | AMBARI-13517 | BUG-46066 | Ambari throwing harmless message ObjectGraphWalker:209 - The configured limit of 1,000 object references was reached |
| Performance | AMBARI-13560 | BUG-45885 | Ambari server Deadlock on View deploy |
| Performance | AMBARI-13643 | BUG-45644 | Warn if Xmn size is oversubscribed |
| Performance | AMBARI-13735 | BUG-47763 | Manage Ambari Alert Notifications editing group causes ConcurrentModificationException |
| Performance | AMBARI-13811 | BUG-47707 | Typing fast in 'name' filter field of the Hosts table misses trailing characters |
| Performance | AMBARI-14051 | BUG-48414 | Remove httpclient library dep from AbstractTimelineMetricsSink to respect timeout settings |
| Performance | AMBARI-14088 | BUG-48720 | Add GC tuning params to Collector daemon similar to HBase |
| Performance | AMBARI-14140 | BUG-48488 | Test / Adopt FIFO compaction policy for AMS high load tables |
| Potential Data Loss | AMBARI-13368 | BUG-45345 | 'chmod -R 755' should be executed against Nodemanager local dirs |
| Potential Data Loss | AMBARI-13880 | BUG-47974 | DataNode Data Directories Which Contain Meta Information Tags Trigger Alerts |
| Potential Data Loss | AMBARI-14030 | BUG-48302 | Datanode shows up prematurely as 'Decomissioned' in Ambari UI while it is 'Decomissioning in Progress' in Namenode UI |
| Security | AMBARI-13138 | BUG-44506 | Ranger installed with HDP 2.2 doesn't handle alerts when http, https ports value are changed |
| Security | AMBARI-13177 | BUG-44062 | (Ambari 2.1 with HDP 2.2) Ranger setup in Ambari does not respect custom service users |
| Security | AMBARI-13183 | BUG-44772 | Unable to 'Download CSV' file from the Kerberos Wizard on Safari |
| Security | AMBARI-13258 | BUG-45066 | Kerberos Wizard: next button on Confirm Configuration doesn't work after page refresh |
| Security | AMBARI-13278 | BUG-45016 | Add security-related HTTP headers to keep Ambari up to date with best-practices |
| Security | AMBARI-13295 | BUG-45148 | ACCUMULO_TRACER START failed after enabling Kerberos |
| Security | AMBARI-13304 | BUG-45589 | Add security-related HTTP headers to Views to keep Ambari up to date with best-practices |
| Security | AMBARI-13316 | BUG-44827 | Stack Advisor for hive.security.authorization.manager with Ranger enabled is not specific enough |
| Security | AMBARI-13321 | BUG-45634 | Oozie Alert Fails In Kerberized Environment That Is Not SSL |
| Security | AMBARI-13346 | BUG-44519 | Hiveserver start fails when ranger digital password used |
| Security | AMBARI-13354 | BUG-44502 | Ambari is not able to run Oozie Server which configured with different username than oozie |
| Security | AMBARI-13436 | BUG-45065 | Kerberos Wizard: null in request logs |
| Security | AMBARI-13441 | BUG-44280 | If Ambari Server is not part of the cluster, basic operations throw 500 (NPE) when Kerberos is enabled (even if it is Manual Kerberos) |
| Security | AMBARI-13488 | BUG-45684 | Add 'hive.conf.restricted.list' property under hiveserver2-site when Ranger Hive plugin is enabled |
| Security | AMBARI-13566 | BUG-46302 | After upgrade Namenode fails to start when Kerberos is enabled using HDP 2.2.8.0 |
| Security | AMBARI-13706 | BUG-46736 | Ambari Alert for verifying if Ranger admin password is in sync between Ranger and Ambari |

| Category | Apache Jira | HWX Jira | Summary |
|-----------|------------------------------|-----------|--|
| Security | AMBARI-13711 | BUG-47290 | AMS HBase principals for Master and RS need to have the same value |
| Security | AMBARI-13767 | BUG-45536 | Group Membership not pulled in with FreeIPA/OpenLDAP/RHELIDM |
| Security | AMBARI-13793 | BUG-47106 | Resource Manager (HA) fails to start after enabling Kerberos |
| Security | AMBARI-13813 | BUG-47370 | After kerberization, Kafka brokers fail to start |
| Security | AMBARI-13831 | BUG-47047 | After enabling kerberos with option 'Manage Kerberos principals and keytabs manually', adding new component buttons will not respond |
| Security | AMBARI-13837 | BUG-47361 | Ambari doesn't let user specify Active Directory LDAP configs when using HS2 |
| Security | AMBARI-13875 | BUG-43702 | Hive View job submitted as ambari process owner, not as login user. |
| Security | AMBARI-13888 | BUG-44995 | Ranger Usersync Moving From Seconds to Millis On Stack Upgrade |
| Security | AMBARI-13943 | BUG-48989 | User cannot login after group-membership pulling in freeIPA |
| Security | AMBARI-14228 | BUG-45773 | Ambari Files View ignores alternate HDFS authorization mechanisms |
| Stability | AMBARI-10413 | BUG-45178 | Knox gateway fails to restart on Ubuntu 12.04 after system restart using custom pid dir because /usr/hdp/current/knox-server/pids does not point to custom pid dir |
| Stability | AMBARI-12575 | BUG-38735 | Overrides may have same value is original config |
| Stability | AMBARI-12628 | BUG-46806 | NameNode HA causes issues AMBARI-12628 |
| Stability | AMBARI-12678 | BUG-46243 | Installing additional Kafka broker on node with hostname that comes alphabetically before existing broker fails to start |
| Stability | AMBARI-12688 | BUG-41914 | HDFS check fails after move NameNode on NN HA cluster |
| Stability | AMBARI-13034 | BUG-33534 | If for some reason, structured-out-status.json is empty then ambari-server will fail to report any status |
| Stability | AMBARI-13202 | BUG-44986 | Blueprints: POST-ing an empty Blueprint document results in a NullPointerException |
| Stability | AMBARI-13267 | BUG-47666 | Configuring SNMP V3 Alerts in Ambari result in java.lang.NullPointerException when trap is fired |
| Stability | AMBARI-13279 | BUG-38937 | Pig view shows completed but does not state if anything went wrong. |
| Stability | AMBARI-13282 | BUG-35816 | hive-site.xml in /etc/server/conf is not updated on webhcat server |
| Stability | AMBARI-13286 | BUG-44308 | During installation of Storm/Atlas, Ambari overwrites and warns about wrong dependent configuration |
| Stability | AMBARI-13307 | BUG-45113 | Memory leak in ambari-agent caused by logger being created on every task |
| Stability | AMBARI-13311 | BUG-45498 | Ambari failing Yarn service check even when error code is 0 |
| Stability | AMBARI-13330 | BUG-45695 | [Hive View] UI issue with Hive View in old Firefox browser |
| Stability | AMBARI-13336 | BUG-45129 | Flume agent specific metrics not showing up as graphs |
| Stability | AMBARI-13345 | BUG-45151 | Views: HDFS API utility needs to work with WASB |
| Stability | AMBARI-13352 | BUG-45790 | JobHistoryServer start fails with bad permissions on state directory. |
| Stability | AMBARI-13353 | BUG-45572 | Add Service wizard: Browser refresh on Assign Master page loses all installed service components |
| Stability | AMBARI-13355 | BUG-45449 | Journal node went in critical state on Ambari : message on UI : Connection failed: [Errno 111] Connection refused to 0.0.0.0:8480 |

| Category | Apache Jira | HWX Jira | Summary |
|-----------|--|-----------|---|
| Stability | AMBARI-13373 | BUG-45749 | hdfs balancer via ambari fails to run once HA is enabled |
| Stability | AMBARI-13373 | BUG-45960 | hdfs balancer via ambari fails to run after Ambari upgrade with NN HA enabled |
| Stability | AMBARI-13373 , AMBARI-13861 | BUG-45961 | hdfs balancer via ambari fails to run after HDP upgrade with NN HA enabled |
| Stability | AMBARI-13380 | BUG-45320 | HDFS Checkpoint window does not appear for restart all reconfigured operation on host |
| Stability | AMBARI-13391 | BUG-45924 | Long API query should be made part of request body |
| Stability | AMBARI-13411 , AMBARI-13517 | BUG-46121 | Ambari Server JVM crashed after several clicks in Web UI to navigate graphs |
| Stability | AMBARI-13437 | BUG-43805 | HDFS File caching does not work because of ulimit not being passed into the start command for datanode. |
| Stability | AMBARI-13459 | BUG-45328 | Hive Metastore Upgrade Retry Fails Because Of Driver Copy Issue |
| Stability | AMBARI-13471 | BUG-45940 | ZooKeeper "log4j.rootLogger" should have ROLLINGFILE instead of CONSOLE |
| Stability | AMBARI-13489 | BUG-43624 | MySQL Ambari Repository gives Key Too Long error messages for hostcomponentdesiredstate table. |
| Stability | AMBARI-13490 | BUG-45793 | If there are more than one ambari-server*.jar in classpath we should fail to start |
| Stability | AMBARI-13492 | BUG-46312 | NN HA wizard gets stuck when JournalNodes fail after getting started |
| Stability | AMBARI-13494 | BUG-45061 | After HDFS HA deployment and namenode move, Accumulo failed to come up. |
| Stability | AMBARI-13525 | BUG-45803 | Exception in collector logs for JOIN queries |
| Stability | AMBARI-13549 | BUG-46070 | enabling metastore HA enables compactor initiator on all metastores. |
| Stability | AMBARI-13558 | BUG-45314 | App Timeline Server unexpectedly turn down [rarely reproduced] |
| Stability | AMBARI-13575 | BUG-46293 | Hive View query error, should use GetOperationStatus thrift api to verify if hive query is completed successfully |
| Stability | AMBARI-13578 | BUG-46275 | Hive Server Start times out due to ranger http calls |
| Stability | AMBARI-13636 | BUG-46825 | Complete is always disabled if Start all services are failed when enabling RM HA |
| Stability | AMBARI-13641 | BUG-47084 | Null Pointer exception warning message at org.apache.ambari.server.controller.metrics.timeline.cache.TimelineMetricCa |
| Stability | AMBARI-13656 | BUG-46885 | oozie service check failing after reassigning host with custom service user |
| Stability | AMBARI-13667 | BUG-39246 | 500 error when adding service to a host with 'HEARTBEAT LOST' status |
| Stability | AMBARI-13696 | BUG-47075 | HDFS has issues after enabling wire encryption and reconfiguring DATANODEs |
| Stability | AMBARI-13727 | BUG-44244 | Ambari JDK: need to switch to 8uXX by default when choosing Oracle JDK Option 1 during setup |
| Stability | AMBARI-13741 | BUG-47225 | API call to delete service fails with error: ORA-02292 integrity constraint violated - child record found |
| Stability | AMBARI-13743 | BUG-47262 | Flume and Storm Ambari metrics are not working |
| Stability | AMBARI-13744 | BUG-47164 | Implement ability to retry operations after database exception for blueprint deploy |
| Stability | AMBARI-13753 | BUG-47484 | Refactor code that caches stale entity references |
| Stability | AMBARI-13758 | BUG-47367 | Zookeeper quorum hosts for AMS should point to localhost for distributed mode. |

| Category | Apache Jira | HWX Jira | Summary |
|-----------|--|-----------|--|
| Stability | AMBARI-13795 | BUG-47560 | Ambari Agent cannot talk to server if "test -w" command hangs |
| Stability | AMBARI-13862 | BUG-44655 | Check status of RS process for AMS in embedded mode |
| Stability | AMBARI-13905 | BUG-47727 | Add error logs to script alerts when there are failures |
| Stability | AMBARI-13926 | BUG-47999 | AMS log file not getting created |
| Stability | AMBARI-13945 | BUG-48141 | Missing HDFS tag.HAState JMX Metric Causes JavaScript Errors |
| Stability | AMBARI-13970 | BUG-47183 | Ambari 2.1.2.1 points to Incorrect Repository version [After upgraded from ambari 1.7.0] |
| Stability | AMBARI-14006 | BUG-48079 | During Component Install conf-select Shell Uses Current Working Directory That Doesn't Exist Yet |
| Stability | AMBARI-14017 | BUG-47043 | Service or component install fails when a non-ambari apt-get command is running |
| Stability | AMBARI-14046 | BUG-48493 | Refactor code that breaks transaction chaining |
| Stability | AMBARI-14050 | BUG-48562 | Produce a Warning When Jetty Pool Size Is Too Low And Increase It |
| Stability | AMBARI-14058 | BUG-48780 | "Application Tracking URL" in Tez View broken due to RM HA changes in Ambari views framework |
| Stability | AMBARI-14138 , HDFS-7931 | BUG-47113 | Upgrade Ambari Views to Hadoop 2.7.1 jar which has the fix for HDFS-7931 |
| Stability | AMBARI-14149 | BUG-48375 | Python 2.7.9 or later fails to establish connection between agent and server. |
| Stability | AMBARI-14162 | BUG-49132 | Files view fails at runtime to instantiate ProtobufRpcEngine class |
| Stability | N/A | BUG-47890 | Falcon deploy job failed with "Service [Spark] is not 'STARTED' after kerberos enabled |
| Upgrade | AMBARI-11552 , AMBARI-13325 | BUG-45594 | Ambari-server upgrade and RU update hbase bucket cache setting incorrectly |
| Upgrade | AMBARI-13283 | BUG-45324 | Class not found exception while running step "ambari-server upgradestack HDP-2.3" for upgrade path 2.2 -> 2.3.2 Amabari DB is Oracle |
| Upgrade | AMBARI-13298 | BUG-45218 | Hive Metastore start error after stack upgrade |
| Upgrade | AMBARI-13314 | BUG-44186 | Add tooltips for status icon in Upgrade Wizard |
| Upgrade | AMBARI-13320 | BUG-45531 | Cannot Perform RU If Ambari Server Is Not A Part of the Cluster |
| Upgrade | AMBARI-13335 | BUG-45351 | Install package command during RU should honor excluded packages |
| Upgrade | AMBARI-13358 | BUG-45751 | Ambari throwing ganglia errors after upgrade |
| Upgrade | AMBARI-13413 | BUG-45957 | Finalization Fails After Manual Upgrade Because of Cluster Version State Set To UPGRADING |
| Upgrade | AMBARI-13418 | BUG-46089 | Upgrade Precheck call does not work for both upgrade types |
| Upgrade | AMBARI-13418 | BUG-46091 | Stop-and-Start Upgrade: Upgrade START call cannot find upgrade pack to use |
| Upgrade | AMBARI-13420 | BUG-44938 | RU should check for INSTALL_FAILED components before starting |
| Upgrade | AMBARI-13425 | BUG-46228 | Ambari 1.7 to 2.1.x upgrade with existing Kerberos, keytab files fail to be distributed to some hosts |
| Upgrade | AMBARI-13427 | BUG-45424 | NAMENODE START failed after upgrade ambari from 1.7.0 to 2.1.2 HA with both NN's being passive |
| Upgrade | AMBARI-13478 | BUG-46278 | Upgrade path on ORA 1.6.1 -> 2.0.1 -> 2.1.1 |
| Upgrade | AMBARI-13568 | BUG-45443 | RU - Downgrade from 2.3 to 2.2 may fail if configs were not back'ed up |

| Category | Apache Jira | HWX Jira | Summary |
|-----------|------------------------------|-----------|---|
| Upgrade | AMBARI-13572 | BUG-46679 | Allow any snapshots/backups to be skippable when doing RU. |
| Upgrade | AMBARI-13682 | BUG-40322 | RU Progress Popup: even though there is a failure during service check it has a green tick mark |
| Upgrade | AMBARI-13684 | BUG-47181 | Ambari Metrics Collector failed to start in Ambari 2.1.2.1 [upgraded from ambari 1.7.0] |
| Upgrade | AMBARI-13716 | BUG-47013 | Check Tez is failed(after upgrade from 1.6.1 to 2.1.2.1) |
| Upgrade | AMBARI-13797 | BUG-46737 | RU: PreCheck for consistency of password between Ranger and Ambari |
| Upgrade | AMBARI-13798 | BUG-47651 | Add ams-site resultset limit property to upgrade |
| Upgrade | AMBARI-13835 | BUG-46674 | After stack_upgrade 2.2 to 2.3 hook script fails due to missing /configurations/tez-site/tez.am.view-acls value |
| Upgrade | AMBARI-13836 | BUG-47295 | NPE when enabling security during Update Configurations stage (after upgrade from 1.6.1 to 2.1.2.1) |
| Upgrade | AMBARI-13872 | BUG-47032 | Rolling Upgrade: Configuration Groups not applied for upgrades across stack versions |
| Upgrade | AMBARI-13918 | BUG-47356 | Stack Upgrade: Kafka to call migration script when upgrading across HDP 2.3.4.0 |
| Upgrade | AMBARI-13934 | BUG-47738 | Ensure upgrade request is un-affected if there exists a stage with no tasks |
| Upgrade | AMBARI-14122 | BUG-48711 | "Falcon - Oozie Integration" property are populated and marked Mandatory After rolling Upgrade |
| Upgrade | AMBARI-14167 | BUG-49137 | After Intra-Stack Upgrade Web Client Still Uses Old Stack Version In Requests |
| Upgrade | N/A | BUG-47115 | Resource manager did not come up during upgrade testing |
| Usability | AMBARI-13208 | BUG-44713 | Markup issue with user button |
| Usability | AMBARI-13254 | BUG-45191 | Components filter works incorrectly on Hosts page |
| Usability | AMBARI-13308 | BUG-45256 | Config Versions list isn't updated while user is on the configs page after adding/removing HiveServer2 |
| Usability | AMBARI-13386 | BUG-44097 | Browser size 1024 clips tooltips |
| Usability | AMBARI-13400 | BUG-45740 | ambari does not redirect the user to the tez ui if log in is required |
| Usability | AMBARI-13469 | BUG-45707 | spelling mistake in the help message for max capacity in capacity scheduler |
| Usability | AMBARI-13502 | BUG-46093 | Blank Tez View page is displayed if ResourceManagers are down |
| Usability | AMBARI-13509 | BUG-46189 | hdfs disk usage metric confusing |
| Usability | AMBARI-13576 | BUG-46805 | Ambari Hive View is not default with hive service |
| Usability | AMBARI-13584 | BUG-46954 | Ambari stack definition for Spark has incorrect value for SPARK_CONF_DIR |
| Usability | AMBARI-13651 | BUG-46807 | Hive View Data Visualization - Change of Tab Order |
| Usability | AMBARI-13685 | BUG-47141 | Unable to compare config Versions when chosen from 'Show more' |
| Usability | AMBARI-13694 | BUG-47207 | Code to read keysdir cannot handle space in the front |
| Usability | AMBARI-13700 | BUG-45736 | hbase.root dir for metrics server does not get updated after NN HA is enabled |
| Usability | AMBARI-13709 | BUG-46889 | When editing alert notifications, changes to severity are not reflected |
| Usability | AMBARI-13786 | BUG-47565 | Ambari HDFS files (View) appends several "non-printable" characters at the end of the file. |
| Usability | AMBARI-13806 | BUG-45886 | Multi statement queries with errors after the first statement cause orphaned AMs |

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|-----------|------------------------------|-----------|---|
| Usability | AMBARI-13817 | BUG-46598 | HDP-2.3 does not have the ability to set heapsize for hive components |
| Usability | AMBARI-13821 | BUG-47768 | Info about kafka ranger plugin state does not appeared after adding kafka |
| Usability | AMBARI-13890 | BUG-44940 | Configs: Values/units for HiveServer2 Heap Size overlapping on slider |
| Usability | AMBARI-13897 | BUG-46088 | Ambari does not configure hbase.coprocessor.regionserver.classes |
| Usability | AMBARI-13965 | BUG-45635 | Ambari CS View "Ambari Cluster URL" setting regex is too restrictive |
| Usability | AMBARI-13986 | BUG-47617 | Hive View : Upload Table tab : Distorted alignment of form fields |
| Usability | AMBARI-14082 | BUG-47616 | Hive View : In Database Explorer the scroll bar come over the show table button |
| Usability | AMBARI-7591 | BUG-45766 | ambari-server Should Return Correct System Level Run Code |