

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

**Table 1.2. HDP Stack**

Feature	Description
Ranger Guided Configs <a href="#">AMBARI-13263</a>	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
<a href="#">AMBARI-13241</a> <a href="#">AMBARI-13251</a>	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.
<a href="#">AMBARI-12901</a> <a href="#">AMBARI-13062</a>	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 <b>very important</b> when upgrading from Ambari 2.0 or earlier to Ambari 2.2.
<a href="#">AMBARI-13067</a>	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.
<a href="#">AMBARI-9784</a>	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.
<a href="#">AMBARI-9791</a>	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.
<a href="#">AMBARI-6646</a>	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> .
<a href="#">AMBARI-10506</a>	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.
<a href="#">AMBARI-12258</a>	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
<a href="#">AMBARI-10648</a>	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.
<a href="#">AMBARI-9794</a>	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.
<a href="#">AMBARI-10400</a>	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 <b>deprecated</b> with Ambari 2.2. Support for these HDP 2.1 <b>will be removed</b> 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, <b>you must first upgrade to HDP 2.2 using either Ambari 1.7 or 2.0</b> . 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 <b>not</b> support directly upgrading from HDP 2.1 to HDP 2.2. In order to upgrade from HDP 2.1, <b>you must first upgrade to HDP 2.2 using either Ambari 1.7 or 2.0</b> . 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 <a href="#">Troubleshooting Guide</a> 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
<a href="#">AMBARI-14437</a>	Unable To Restart HCat Client When Not Colocated With WebHCat Server

Apache Jira	Description
<a href="#">AMBARI-14428</a>	Spark client and History Server failed to deploy from first try on HDP-2.3.0.0
<a href="#">AMBARI-14421</a>	Spark thrift cannot start with umask 027
<a href="#">AMBARI-14405</a>	RU: Finalize Downgrade failed
<a href="#">AMBARI-14400</a>	Spark server restart failed ( java.lang.NumberFormatException ) causing express upgrade to fail.
<a href="#">AMBARI-14390</a>	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 &lt;module&gt;\n ZookeeperServer().execute()\n File \"/usr/lib/python2.6/site-packages/ line 219, in execute\n method(env)\n File \"/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 70, in install\n self.configure(env)\n File \"/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 49, in configure\n zookeeper(type='server', upgrade_type=upgrade_type)\n File \"/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 89, in thunk\n return fn(*args, **kwargs)\n File \"/var/lib/ambari-agent/cache/common-services/ZOOKEEPER/3.4.5.2.0/package/scripts/ line 82, in zookeeper\n 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.
<a href="#">AMBARI-14352</a>	BUG-49296	During a <b>Rolling or Express Upgrade</b> , intermittent failure when clicking <b>Pause Cluster</b> .
	BUG-49945	When adding a host to a cluster and re-using a hostname without cleaning-up the previous HDP version, the host is not added.
	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 HDP 2.1.
	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 page shows the wrong version.
<a href="#">AMBARI-12389</a>	BUG-41040	After adding Falcon to your cluster, the Oozie configuration is not properly updated.
<a href="#">AMBARI-12412</a>	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.
<a href="#">AMBARI-12436</a>	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.
<a href="#">AMBARI-12283</a>	BUG-40300	After adding or deleting ZooKeeper Servers to an existing cluster, Service Check fails.
<a href="#">AMBARI-12005</a>	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	<a href="#">AMBARI-12362</a>	BUG-45219	NFSGateway reports wrong count after manual stack upgrade
Other	<a href="#">AMBARI-12873</a>	BUG-44998	Handle Oracle DB connection string when not running port 1521
Other	<a href="#">AMBARI-13151</a>	BUG-44534	Multiple Oozie Servers can be added with Install Wizard and ASW
Other	<a href="#">AMBARI-13200</a>	BUG-42195	Pig View has incorrect class <code>org.apache.hcatalog.pig.HCatLoader()</code> ; being loaded with the pre
Other	<a href="#">AMBARI-13212</a>	BUG-44659	There is no need to put 700 for /user/hive directory, or at least make it configurable
Other	<a href="#">AMBARI-13226</a>	BUG-44989	Second ambari-server silent-mode setup does not switch DB - add unit tests
Other	<a href="#">AMBARI-13227</a>	BUG-44515	Debian 7. Host check does not show warning about THP enabled on hosts.
Other	<a href="#">AMBARI-13256</a>	BUG-44957	configs.sh cannot add name-value pair to an empty config
Other	<a href="#">AMBARI-13281</a>	BUG-45448	Hive View [Visualization] Enhancements
Other	<a href="#">AMBARI-13284</a>	BUG-42903	HostCleanup script does not work for hosts that are manually registered

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

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

Category	Apache Jira	HWX Jira	Summary
Security	<a href="#">AMBARI-13711</a>	BUG-47290	AMS HBase principals for Master and RS need to have the same value
Security	<a href="#">AMBARI-13767</a>	BUG-45536	Group Membership not pulled in with FreeIPA/OpenLDAP/RHELIDM
Security	<a href="#">AMBARI-13793</a>	BUG-47106	Resource Manager (HA) fails to start after enabling Kerberos
Security	<a href="#">AMBARI-13813</a>	BUG-47370	After kerberization, Kafka brokers fail to start
Security	<a href="#">AMBARI-13831</a>	BUG-47047	After enabling kerberos with option 'Manage Kerberos principals and keytabs manually', adding new component buttons will not respond
Security	<a href="#">AMBARI-13837</a>	BUG-47361	Ambari doesn't let user specify Active Directory LDAP configs when using HS2
Security	<a href="#">AMBARI-13875</a>	BUG-43702	Hive View job submitted as ambari process owner, not as login user.
Security	<a href="#">AMBARI-13888</a>	BUG-44995	Ranger Usersync Moving From Seconds to Millis On Stack Upgrade
Security	<a href="#">AMBARI-13943</a>	BUG-48989	User cannot login after group-membership pulling in freeIPA
Security	<a href="#">AMBARI-14228</a>	BUG-45773	Ambari Files View ignores alternate HDFS authorization mechanisms
Stability	<a href="#">AMBARI-10413</a>	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	<a href="#">AMBARI-12575</a>	BUG-38735	Overrides may have same value is original config
Stability	<a href="#">AMBARI-12628</a>	BUG-46806	NameNode HA causes issues <a href="#">AMBARI-12628</a>
Stability	<a href="#">AMBARI-12678</a>	BUG-46243	Installing additional Kafka broker on node with hostname that comes alphabetically before existing broker fails to start
Stability	<a href="#">AMBARI-12688</a>	BUG-41914	HDFS check fails after move NameNode on NN HA cluster
Stability	<a href="#">AMBARI-13034</a>	BUG-33534	If for some reason, structured-out-status.json is empty then ambari-server will fail to report any status
Stability	<a href="#">AMBARI-13202</a>	BUG-44986	Blueprints: POST-ing an empty Blueprint document results in a NullPointerException
Stability	<a href="#">AMBARI-13267</a>	BUG-47666	Configuring SNMP V3 Alerts in Ambari result in java.lang.NullPointerException when trap is fired
Stability	<a href="#">AMBARI-13279</a>	BUG-38937	Pig view shows completed but does not state if anything went wrong.
Stability	<a href="#">AMBARI-13282</a>	BUG-35816	hive-site.xml in /etc/server/conf is not updated on webhcat server
Stability	<a href="#">AMBARI-13286</a>	BUG-44308	During installation of Storm/Atlas, Ambari overwrites and warns about wrong dependent configuration
Stability	<a href="#">AMBARI-13307</a>	BUG-45113	Memory leak in ambari-agent caused by logger being created on every task
Stability	<a href="#">AMBARI-13311</a>	BUG-45498	Ambari failing Yarn service check even when error code is 0
Stability	<a href="#">AMBARI-13330</a>	BUG-45695	[Hive View] UI issue with Hive View in old Firefox browser
Stability	<a href="#">AMBARI-13336</a>	BUG-45129	Flume agent specific metrics not showing up as graphs
Stability	<a href="#">AMBARI-13345</a>	BUG-45151	Views: HDFS API utility needs to work with WASB
Stability	<a href="#">AMBARI-13352</a>	BUG-45790	JobHistoryServer start fails with bad permissions on state directory.
Stability	<a href="#">AMBARI-13353</a>	BUG-45572	Add Service wizard: Browser refresh on Assign Master page loses all installed service components
Stability	<a href="#">AMBARI-13355</a>	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	<a href="#">AMBARI-13373</a>	BUG-45749	hdfs balancer via ambari fails to run once HA is enabled
Stability	<a href="#">AMBARI-13373</a>	BUG-45960	hdfs balancer via ambari fails to run after Ambari upgrade with NN HA enabled
Stability	<a href="#">AMBARI-13373</a> , <a href="#">AMBARI-13861</a>	BUG-45961	hdfs balancer via ambari fails to run after HDP upgrade with NN HA enabled
Stability	<a href="#">AMBARI-13380</a>	BUG-45320	HDFS Checkpoint window does not appear for restart all reconfigured operation on host
Stability	<a href="#">AMBARI-13391</a>	BUG-45924	Long API query should be made part of request body
Stability	<a href="#">AMBARI-13411</a> , <a href="#">AMBARI-13517</a>	BUG-46121	Ambari Server JVM crashed after several clicks in Web UI to navigate graphs
Stability	<a href="#">AMBARI-13437</a>	BUG-43805	HDFS File caching does not work because of ulimit not being passed into the start command for datanode.
Stability	<a href="#">AMBARI-13459</a>	BUG-45328	Hive Metastore Upgrade Retry Fails Because Of Driver Copy Issue
Stability	<a href="#">AMBARI-13471</a>	BUG-45940	ZooKeeper "log4j.rootLogger" should have ROLLINGFILE instead of CONSOLE
Stability	<a href="#">AMBARI-13489</a>	BUG-43624	MySQL Ambari Repository gives Key Too Long error messages for hostcomponentdesiredstate table.
Stability	<a href="#">AMBARI-13490</a>	BUG-45793	If there are more than one ambari-server*.jar in classpath we should fail to start
Stability	<a href="#">AMBARI-13492</a>	BUG-46312	NN HA wizard gets stuck when JournalNodes fail after getting started
Stability	<a href="#">AMBARI-13494</a>	BUG-45061	After HDFS HA deployment and namenode move, Accumulo failed to come up.
Stability	<a href="#">AMBARI-13525</a>	BUG-45803	Exception in collector logs for JOIN queries
Stability	<a href="#">AMBARI-13549</a>	BUG-46070	enabling metastore HA enables compactor initiator on all metastores.
Stability	<a href="#">AMBARI-13558</a>	BUG-45314	App Timeline Server unexpectedly turn down [rarely reproduced]
Stability	<a href="#">AMBARI-13575</a>	BUG-46293	Hive View query error, should use GetOperationStatus thrift api to verify if hive query is completed successfully
Stability	<a href="#">AMBARI-13578</a>	BUG-46275	Hive Server Start times out due to ranger http calls
Stability	<a href="#">AMBARI-13636</a>	BUG-46825	Complete is always disabled if Start all services are failed when enabling RM HA
Stability	<a href="#">AMBARI-13641</a>	BUG-47084	Null Pointer exception warning message at org.apache.ambari.server.controller.metrics.timeline.cache.TimelineMetricCa
Stability	<a href="#">AMBARI-13656</a>	BUG-46885	oozie service check failing after reassigning host with custom service user
Stability	<a href="#">AMBARI-13667</a>	BUG-39246	500 error when adding service to a host with 'HEARTBEAT LOST' status
Stability	<a href="#">AMBARI-13696</a>	BUG-47075	HDFS has issues after enabling wire encryption and reconfiguring DATANODEs
Stability	<a href="#">AMBARI-13727</a>	BUG-44244	Ambari JDK: need to switch to 8uXX by default when choosing Oracle JDK Option 1 during setup
Stability	<a href="#">AMBARI-13741</a>	BUG-47225	API call to delete service fails with error: ORA-02292 integrity constraint violated - child record found
Stability	<a href="#">AMBARI-13743</a>	BUG-47262	Flume and Storm Ambari metrics are not working
Stability	<a href="#">AMBARI-13744</a>	BUG-47164	Implement ability to retry operations after database exception for blueprint deploy
Stability	<a href="#">AMBARI-13753</a>	BUG-47484	Refactor code that caches stale entity references
Stability	<a href="#">AMBARI-13758</a>	BUG-47367	Zookeeper quorum hosts for AMS should point to localhost for distributed mode.

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



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



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