

Release Notes for HDInsight 2

## Apache Ambari Release Notes for HDInsight

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# Apache Ambari Release Notes

This document provides you with the latest information about the Apache Ambari 2.7.3.7 release.

## Descriptions of New Features

There are no new features introduced in the Ambari 2.7.3.7 release.

## Behavioral Changes

Behavioral changes denote a marked change in behavior from the previously released version to this version of Ambari. There are no behavioral changes in this version when compared to the previously released version.

## Patch Information

This section lists patches in Ambari 2.7.3 beyond what was fixed in the base version of Apache Ambari 2.7.3. Ambari 2.7.3 is based on Apache Ambari 2.7.3.0 and the following patches.

**Table 1: Apache Ambari 2.7.3 Patches**

Apache Jira	Description
<a href="#">AMBARI-24886</a>	Add stack feature constant to support Ranger admin users password change

**Table 2: Apache Ambari 2.7.1 Patches**

Apache Jira	Description
<a href="#">AMBARI-24523</a>	Hive and Oozie JDBC url reset after set manually
<a href="#">AMBARI-24543</a>	Client install is failing with Ambari 2.7.0 on Ubuntu14
<a href="#">AMBARI-24522</a>	Cannot connect to MIT KDC admin server when port is specified in kerberos-env/admin_server_host
<a href="#">AMBARI-24520</a>	Fix set KDC admin credentials section in enable Kerberos documentation
<a href="#">AMBARI-24524</a>	Unable to validate password complexity for properties rangertagsync_user_password, rangerusersync_user_password
<a href="#">AMBARI-24526</a>	Status of components does not become RED if their daemon goes down immediately after successful start
<a href="#">AMBARI-24527</a>	Unable to Add ZooKeeper-Only Host To Cluster With Hadoop
<a href="#">AMBARI-24426</a>	[Log Search UI] Show user friendly component names in Log Index Filter screen
<a href="#">AMBARI-24435</a>	[Log Search UI] Remove underline text decoration from dropdowns on hover
<a href="#">AMBARI-24550</a>	YARN Timeline Service V2 Reader goes down after Ambari Upgrade from 2.7.0.0 to 2.7.1.0
<a href="#">AMBARI-24553</a>	Cannot start Hive Metastore without HDFS
<a href="#">AMBARI-24540</a>	Allow skipping Oozie DB schema creation for sysprepped cluster
<a href="#">AMBARI-24552</a>	Storm service-check fails due to missing StringUtils class definition

Apache Jira	Description
<a href="#">AMBARI-24563</a>	global name 'VERIFY_DEPENDENCY_CMD' is not defined'

**Table 3: Apache Ambari 2.7.0 Patches**

Apache Jira	Description
<a href="#">AMBARI-24254</a>	ADDENDUM: flag infra-solr instances to restart after upgrade
<a href="#">AMBARI-23945</a>	Infra Solr migration: REQUESTSTATUS response content type is xml instead of json
<a href="#">AMBARI-24276</a>	Upgrade failed at ConvertTable, container mode, with data deployed
<a href="#">AMBARI-24268</a>	Fix pre-upload script references, clean imports
<a href="#">AMBARI-24270</a>	Agent Status Command Are Randomly Failing With Empty stderr
<a href="#">AMBARI-24275</a>	Unable to Restart Hive When Using An Ambari-Managed MySQL Server
<a href="#">AMBARI-24278</a>	Infra Solr: /etc/security/limits.d folder does not exist on Suse

## Common Vulnerabilities and Exposures

No Common Vulnerabilities and Exposures (CVEs) fixes apply to Ambari 2.7.3.7.

## 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.

### Other

Hortonworks Bug ID	Apache JIRA	Summary
BUG-109907	<a href="#">AMBARI-24542</a>	Rename LDAP configuration ambari.ldap.advance.collision_behavior

### Security

Hortonworks Bug ID	Apache JIRA	Summary
BUG-107090	<a href="#">AMBARI-24593</a>	Download client config fails if user running Ambari server has UID>2097151
BUG-109839	<a href="#">AMBARI-24536</a>	Ambari SPNEGO breaks SSO redirect
BUG-109960	<a href="#">AMBARI-24546</a>	Protect the Request resource so that only authorized users may have read-only access the data
BUG-110181	<a href="#">AMBARI-24562</a>	Protect the ClusterConfig resource so that only authorized users may have read-only access the data
BUG-110695	<a href="#">AMBARI-24616</a>	Disable Kerberos from Ambari UI didn't clean up keytab directories
BUG-111350	<a href="#">AMBARI-24757</a>	Grafana start failing on U14 fails with error "AttributeError: 'module' object has no attribute 'PROTOCOL_TLSv1_2'"
BUG-111644	<a href="#">AMBARI-24690</a>	Ambari-server setup-ldap throws an error when the OU has spaces
BUG-87895	<a href="#">AMBARI-22863</a>	Hive should handle a customized Zookeeper service principal name
BUG-87896	<a href="#">AMBARI-24576</a>	Ambari Metrics should handle a customized Zookeeper service principal name

Hortonworks Bug ID	Apache JIRA	Summary
BUG-87901	<a href="#">AMBARI-24565</a>	HDFS should handle a customized Zookeeper service principal name
BUG-87902	<a href="#">AMBARI-24564</a>	Zookeeper should handle a customized Zookeeper service principal name

### Stability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-109836	<a href="#">AMBARI-24535</a>	File View not accessible in Ambari 2.7 after enabling 3 namenodes in HDP 3.0
BUG-110504	<a href="#">AMBARI-24596</a>	Stack Advisor reported an error. Exit Code: 2. Error: KeyError: 'onefs'
BUG-110804	<a href="#">AMBARI-24641</a>	Stackadvisor error while trying to add atlas service. Error - "if mountPoints[mountPoint] < requiredDiskSpace: KeyError: None"
BUG-110964	<a href="#">AMBARI-24637</a>	Ambari metrics service check failed during UI deploy
BUG-111145	<a href="#">AMBARI-24669</a>	Ambari Metrics collector stuck at stopping status; unable to perform any other operation on it.
BUG-111507	<a href="#">AMBARI-24679</a>	Fix race condition in agent during registration and topology updates.

### Supportability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-109917	<a href="#">AMBARI-24540</a>	Allow skipping Oozie DB schema creation for sysprepped cluster
BUG-110166	<a href="#">AMBARI-24548</a>	Allow skipping Hive Metastore schema creation for sysprepped cluster
BUG-111556	<a href="#">AMBARI-24681</a>	Cannot deploy cluster without HDFS_CLIENT

### Usability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-110638	<a href="#">AMBARI-24605</a>	ambari-server exception if any user with cluster operator role is trying to edit the widget.
BUG-111968	<a href="#">AMBARI-24781</a>	Ambari setup-ldap doesn't persist settings
BUG-112913	<a href="#">AMBARI-24815</a>	Add column to show which service recommended changes during upgrade refer to
BUG-113683	<a href="#">AMBARI-24852</a>	NPE in default host group replacement

## HDInsight Fixed Issues

The fixed issues listed here are issues that were specifically addressed to support HDInsight. For fixed issues in HDP, see the *HDP HDInsight Release Notes*.

### Ambari 2.7.2 (Atlantic)

#### Other

Bug ID	Apache JIRA	Summary
AMBARI-1101	N/A	Extra logger beanutils.FluentPropertyBeanIntrospector while running Hdfs commands
AMBARI-1103	N/A	Error in custom script action
AMBARI-1110	N/A	Backport Ambari-24275 so that custom services can be restarted
AMBARI-1117	N/A	HDI Livy2 fails to restart
AMBARI-1122	N/A	Not able to submit queries through REST on templeton

Bug ID	Apache JIRA	Summary
AMBARI-1123	N/A	webhcat mpack versioning
AMBARI-1127	N/A	DAS cannot be installed when a custom component doesnt have configs
AMBARI-1157	N/A	Service component configuration parameters is only available in components start() but not available in status() and when defining script based alerts
AMBARI-1163	N/A	Error while starting Timeline v2 Reader during Move operation
AMBARI-1179	N/A	On enabling Node Labels in ABFS configs, the folders created do not have correct permissions and owner
AMBARI-1181	N/A	Ambari user interface freezes after 15-20 minutes of usage
AMBARI-1182	N/A	Service components in maintenance mode are stuck in 'INSTALLATION PENDING' state for scaled up hosts.
BUG-109436	<a href="#">AMBARI-24506</a>	Upgrade History page is blank after a cluster is upgraded multiple times

### Security

Bug ID	Apache JIRA	Summary
AMBARI-1147	N/A	Scale-up fails with permission denied exception

### Supportability

Bug ID	Apache JIRA	Summary
AMBARI-1155	N/A	Need Official URL for templeton

### Ambari 2.7.3.2 (Celtic)

#### Other

Bug ID	Apache JIRA	Summary
AMBARI-1206	N/A	HBase does not start in WASB cluster
AMBARI-1209, BUG-118848	<a href="#">AMBARI-25197</a>	HDFS service checking with an ClassNotFound Error in Ambari
AMBARI-1212	N/A	Ambari component installations are done serially; unnecessary dry-runs seen with Component installations
AMBARI-1216	<a href="#">AMBARI-25214</a>	ResourceManager is unable to start after moving from head node (hno-XXX) to slave node (zk1-XXX) in HDInsight clusters
AMBARI-1218	N/A	Add a sysprep configurations to run conf-selects only a single time
BUG-1171792	N/A	Remove hive.metastore.uris from hive-interactive-site
BUG-117793	N/A	Fix Hive ranger plugin config issue if only HSI is present
BUG-118787	N/A	Add SHS dependency for STS to role_command_order_json
BUG-118937	<a href="#">AMBARI-25207</a>	The Ubuntu repository ID for the cached apt package list is generated wrong in case if were used URL with https protocol
BUG-119105, AMBARI-1218	<a href="#">AMBARI-25215</a>	Add a sysprep configurations to run conf-selects only a single time
AMBARI-1213	N/A	Hive Service check failure in LLAP cluster type
AMBARI-1214	N/A	Unable to move Hive metastore from one node to another
AMBARI-1219	N/A	Ambari UI quicklinks
AMBARI-1228	N/A	Unable to move Hive metastore from one node to another in WASB Secure cluster

Bug ID	Apache JIRA	Summary
AMBARI-1230	N/A	Install HDP packages are failing - Ambari 2.7.x
AMBARI-1235	N/A	Hive service check is failing after moving Hive Metastore from node to another using system tests.

### Usability

Bug ID	Apache JIRA	Summary
BUG-117868, AMBARI-1197	<a href="#">AMBARI-25158</a>	Dashboard is unable to load. Common console error : "SEVERE TypeError: widgetGroups is undefined"

### Ambari 2.7.3.7 (Celtic-HDI-M10)

#### Other

Bug ID	Apache JIRA	Summary	
BUG-118787	N/A	Ambari	Add SHS dependency for STS to role_command_order_json
BUG-119259	N/A	Ambari	Ambari upgrade script causes GC conflict for Atlantic HDI
BUG-121308	N/A	Ambari	Wrong zeppelin hive.url when HiveInteractive HA is enabled
BUG-118848	<a href="#">AMBARI-25196</a>	Ambari	HDFS Service Checking with an ClassNotFound Error in Ambari WFManager view
BUG-120002	N/A	Ambari	Missing commits in Celtic-HDI-M10
BUG-119560	<a href="#">AMBARI-25248</a>	Ambari	Hive service check is failing after moving Hive Metastore from node to another using system tests.
BUG-119469	N/A	Ambari	Unable to move Hive metastore from one node to another in Secure cluster
BUG-117792	N/A	Ambari	Remove hive.metastore.uris from hive-interactive-site
BUG-119561	N/A	Ambari	Ambari DB has reached its size quota on HDI
BUG-119559	N/A	Ambari	Ambari UI quicklinks
BUG-117789	<a href="#">AMBARI-25041</a>	Ambari	Scale hosts does not install component if service is in maintenance mode

Bug ID	Apache JIRA	Summary	
BUG-118937	<a href="#">AMBARI-25207</a>	Ambari	The Ubuntu repository id for the cached apt package list is generated wrong in case if were used URL with https protocol
BUG-117793	N/A	Ambari	Fix hive ranger plugin config issue if only HSI is present
BUG-121034	N/A	Ambari	Ambari should provide an option to graceful decommission Nodemangers.
BUG-121705	<a href="#">AMBARI-25370</a>	Ambari	Producer and Customer 'Request / s' graphs are failing on Kafa Grafana dashboards
BUG-117868	<a href="#">AMBARI-25158</a>	Ambari	Dashboard is unable to load . Common console error : "SEVERE TypeError: widgetGroups is undefined"
AMBARI-1283	N/A	Enable configuration of SASL for Zookeeper in Ambari	
AMBARI-1282	N/A	Facing issue while moving resource manager from one node to another node	
AMBARI-1280	N/A	Backport 2.7.4 CVE fixes applicable to HDI env	
AMBARI-1279	N/A	Oozie Service Check failed	
AMBARI-1278	N/A	backport of Heatmap Data Issues	
AMBARI-1272	N/A	ABFS short-term fix to Create Hive tables	
AMBARI-1261	N/A	Moving from NTP to Chrony has issues due to NTP dependency in recommended packages of Hive and Hadoop	
AMBARI-1258	N/A	Publish org.apache.ambari::ambari-metrics-common and ambari-metrics-timelineservice maven packages with latest changes	
AMBARI-1256	N/A	Ambari should provide an option to graceful decommission Nodemangers.	
AMBARI-1253	N/A	Fixes as part of JIRAS mentioned in description has to forward port in new M10 HDI release - amabri vesion: 2.7.3.7	
AMBARI-1252	N/A	HDFS service check fails for WFM view on WASB Secure	
AMBARI-1251	N/A	[Intermittent] Dashboard loading is slow	
AMBARI-1242	N/A	Some Metrics at the service level do not show any data on the Ambari UI	
AMBARI-1235	N/A	Hive service check is failing after moving Hive Metastore from node to another using system tests.	
AMBARI-1230	N/A	Install HDP packages are failing - Ambari 2.7.x	
AMBARI-1228	N/A	Unable to move Hive metastore from one node to another in WASB Secure cluster	
AMBARI-1223	N/A	YARN, Tez, HBase, Pig, MR2 service checks failed due to python script timeout	



Bug ID	Apache JIRA	Summary	
AMBARI-1219	N/A	Ambari UI quicklinks	
AMBARI-1218	N/A	Add a sysprep configurations to run conf-selects only a single time	
AMBARI-1216	<a href="#">AMBARI-25214</a>	Resource Manager is unable to come up after moving from head node (hno-XXX) to slave node (zk1-XXX) in HDI clusters	
AMBARI-1214	N/A	Unable to move Hive metastore from one node to another	
AMBARI-1213	N/A	Hive Service check failure in LLAP cluster type	
AMBARI-1212	N/A	Ambari Component installations are done serially; lot of unnecessary dry-runs seen with Component installations	
AMBARI-1209	N/A	HDFS Service Checking with an ClassNotFound Error in Ambari (Celtic HDI)	
AMBARI-1208	N/A	Connections to Ambari server are stochastically result in ECONNRESET	
AMBARI-1206	N/A	Hbase is not able to start in WASB cluster	
AMBARI-1197	N/A	[Intermittent]Dashboard is unable to load . Common console error : "SEVERE TypeError: widgetGroups is undefined"	
AMBARI-1284	N/A	Ambari-metrics-assembly is missing	

## Known Issues

Ambari 2.7.3 has the following known issues, scheduled for resolution in a future release.

**Table 4: Ambari 2.7.3 Known Issues**

Apache Jira	Hortonworks Bug ID	Problem	Solution
N/A	BUG-10665	After express upgrade, Ambari Metrics System metrics collectors may be found to be down.	Manually restart the metrics collectors on affected nodes.
N/A	BUG-10892	After using patch upgrade on storm, exceptions are found in the logs when running service checks.	No known workaround. Service checks exceptions for this service immediately after patch upgrade can be safely ignored.
<a href="#">AMBARI-2416</a>	BUG-11352	When using redhat satellite for repository management, if a repo URL is not specified for each operating system, the installation can fail.	<ol style="list-style-type: none"> <li>1. Do a fresh sign into Ambari Server.</li> <li>2. Click on Register Version screen.</li> <li>3. Click on option "Use local repository"</li> <li>4. Select the appropriate OS version and remove the unwanted OS version.</li> <li>5. Put some dummy url (that starts with http://) in the repo fields</li> <li>6. Now select the option "Use Redhat Satellite repo"</li> <li>7. Make the package changes if needed and proceed.</li> </ol>
<a href="#">AMBARI-2416</a>	BUG-10948	Upgrade History page is blank after a cluster is upgraded multiple times.	No known workaround.

Apache Jira	Hortonworks Bug ID	Problem	Solution
N/A	BUG-109760	YARN Timeline Service V 2.0 Reader component stops after a patch upgrade of the service HBase from HDP 3.0.0 to HDP 3.0.1.	Manually start the YARN Timeline Service V 2.0 Reader component.
N/A	BUG-115508	Unable to create tables after upgrade if running hive as custom user.	Change permissions on the Hive directory.
N/A	BUG-115309	Ambari Metrics System Collector HBase cannot be started after Express Upgrade on secured clusters.  <pre>msg=org.apache.hadoop.hbase.NotServingRegionException: hbase:meta,1 is not online</pre>	<p>Clear out the data on the znode specified in <code>ams-hbase-site:zookeeper.znode.parent</code>.</p> <ul style="list-style-type: none"> <li>If Ambari Metrics System is in embedded mode, this can be done by deleting the directory as specified in the <code>ams-hbase-site</code> property 'HBase ZooKeeper Property DataDir'.</li> <li>If Ambari Metrics System is in distributed mode, this can be done by deleting the znode in cluster zookeeper using <code>zkCli</code>. Instead of deleting the znode, you can change the value of the znode from <code>/ams-hbase-unsecure</code> to something like <code>/ams-hbase-unsecure-new</code>.</li> </ul>
N/A	BUG-115815	Zeppelin Server status alerts are not triggered even when Zeppelin server is stopped.	<p>In the <code>alert_check_zeppelin.py</code> script located in the <code>/var/lib/ambari-agent/cache/common-services/ZEPPELIN/&lt;version&gt;/package/scripts/</code> folder, change the 'return' statement to the following:</p> <pre>return (RESULT_CODE_CRITICAL, ["Zeppelin is not running"])</pre>

Apache Jira	Hortonworks Bug ID	Problem	Solution
N/A	SPEC-57	<p>Spectrum Scale installation Fails in Ambari for scripts not found reason.</p> <p>Exception is seen when the Mpack is integrated with the following error:</p> <pre> stdout: / var/lib/ ambari- agent/ data/ output-402.txt Caught an exception while executing custom service command: &lt;class 'ambari_agent.AgentException.AgentException': 'Script / var/lib/ ambari- agent/ cache/ extensions/ SpectrumScaleExtension /2.7.0.1/ services/ GPFS/ package/ scripts/ slave.py does not exist'; 'Script / var/lib/ ambari- agent/ cache/ extensions/ SpectrumScaleExtension /2.7.0.1/ services/ GPFS/ package/ scripts/ slave.py does not exist' </pre>	<p>Ensure that the property agent.auto.cache.update=true is set in /etc/ambari-server/conf/ambari.properties on the Ambari Server, and then restart the Ambari Server so that the Ambari agents will now get the propagated changes for the Mpack extensions.</p>

Apache Jira	Hortonworks Bug ID	Problem	Solution
AMBARI-2506	SPEC-58, BUG-11632	HDP 3.1.0 with local repository fails to deploy. Empty baseurl values written to the repo files when using a local repository causes an HDP stack installation failure.	<ol style="list-style-type: none"> <li>Go to the folder /usr/lib/ambari-server/web/javascripts using <pre>cd /usr/lib/ambari-server/web/javascripts</pre> </li> <li>Take a backup of app.js using <pre>cp app.js app.js_backup</pre> </li> <li>Edit the app.js file. Find the line(39892) <pre>onNetworkIssuesExist: function () {</pre> <p>Change the line from :</p> <pre>/**  * Use Local Repo if some network issues exist  */ onNetworkIssuesExist: function () {   if (this.get('networkIssuesExist')) {  this.get('content.stacks').forEach(function (stack) {   stack.setProperties({     usePublicRepo: false,     useLocalRepo: true   });   stack.cleanReposBaseUrls(); }); } }.observes('networkIssuesExist'),</pre> <p>to</p> <pre>/**  * Use Local Repo if some network issues exist  */ onNetworkIssuesExist: function () {   if (this.get('networkIssuesExist')) {  this.get('content.stacks').forEach(function (stack) {   if(stack.get('useLocalRepo') != true){     stack.setProperties({       usePublicRepo: false,       useLocalRepo: true     });   }   stack.cleanReposBaseUrls(); }); } }.observes('networkIssuesExist'),</pre> </li> <li>Reload the page, and then start the create cluster wizard again.</li> </ol>

## HDInsight Known Issues

Summary of known issues for this release specific to HDInsight. There are no Ambari known issues in this release of HDInsight.

Bug ID	Apache JIRA	Apache component	Summary
AMBARI-1264	N/A	Kafka	Description of the problem or behavior When a scale down happens, sometimes, there are failures in stopping all the components and the delete request eventually fails with Ambari displaying the message: "The following host components are still running/not stopped". Workaround No known workaround.
AMBARI-1281	N/A	Ambari	Description of the problem or behavior Intermittent connection resets when trying to login to Ambari. Workaround No known workaround.
Ambari-1275	N/A	Ambari	Description of the problem or behavior The cluster configuration request takes a lot of time for the initial configuration of services. Workaround No known workaround.