

Hortonworks Data Platform

Apache Ambari Release Notes

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Hortonworks Data Platform: Apache Ambari Release Notes

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Table of Contents

1. Release Notes Ambari - 2.7.1	1
1.1. New Features	1
1.2. Behavioral Changes	1
1.3. Patch Information	1
1.4. Common Vulnerabilities and Exposures	2
1.5. Known Issues	2
1.6. Fixed Issues	7

List of Tables

- 1.1. Apache Ambari 2.7.1 Patches 1
- 1.2. Apache Ambari 2.7.0 Patches 2
- 1.3. Ambari 2.7.1 Known Issues 2

1. Release Notes Ambari - 2.7.1

RELEASE NOTES: Apache Ambari 2.7.1

The Ambari 2.7.1 Release Notes summarize and describe the following information released in Ambari 2.7.1:

- [New Features \[1\]](#)
- [Behavioral Changes \[1\]](#)
- [Patch Information \[1\]](#)
- [Common Vulnerabilities and Exposures \[2\]](#)
- [Known Issues \[2\]](#)
- [Fixed Issues \[7\]](#)

1.1. New Features

There are no new features introduced in the Ambari 2.7.1 release.

1.2. Behavioral Changes

Ambari 2.7.1 introduces no behavioral changes as compared to previous Ambari versions.

1.3. Patch Information

Ambari 2.7.1 is based on Apache Ambari 2.7.1.0 and the following patches.

Table 1.1. Apache Ambari 2.7.1 Patches

Apache Jira	Description
AMBARI-24523	Hive and Oozie JDBC url reset after set manually
AMBARI-24543	Client install is failing with Ambari 2.7.0 on Ubuntu14
AMBARI-24522	Cannot connect to MIT KDC admin server when port is specified in kerberos-env/admin_server_host
AMBARI-24520	Fix set KDC admin credentials section in enable Kerberos documentation
AMBARI-24524	Unable to validate password complexity for properties rangertagsync_user_password, rangerusersync_user_password
AMBARI-24526	Status of components does not become RED if their daemon goes down immediately after successful start
AMBARI-24527	Unable to Add ZooKeeper-Only Host To Cluster With Hadoop
AMBARI-24426	[Log Search UI] Show user friendly component names in Log Index Filter screen
AMBARI-24435	[Log Search UI] Remove underline text decoration from dropdowns on hover
AMBARI-24550	YARN Timeline Service V2 Reader goes down after Ambari Upgrade from 2.7.0.0 to 2.7.1.0
AMBARI-24553	Cannot start Hive Metastore without HDFS
AMBARI-24540	Allow skipping Oozie DB schema creation for sysprepped cluster
AMBARI-24552	Storm service-check fails due to missing StringUtils class definition
AMBARI-24563	global name 'VERIFY_DEPENDENCY_CMD' is not defined'
AMBARI-24523	Hive and Oozie JDBC url reset after set manually

Apache Jira	Description
AMBARI-24543	Client install is failing with Ambari 2.7.0 on Ubuntu14
AMBARI-24522	Cannot connect to MIT KDC admin server when port is specified in kerberos-env/admin_server_host
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AMBARI-24435	[Log Search UI] Remove underline text decoration from dropdowns on hover
AMBARI-24550	Yarn Timeline Service V2 Reader goes down after Ambari Upgrade from 2.7.0.0 to 2.7.1.0
AMBARI-24553	Cannot start Hive Metastore without HDFS
AMBARI-24540	Allow skipping Oozie DB schema creation for sysprepped cluster
AMBARI-24552	Storm service-check fails due to missing StringUtils class definition
AMBARI-24563	global name 'VERIFY_DEPENDENCY_CMD' is not defined'

Table 1.2. Apache Ambari 2.7.0 Patches

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

1.4. Common Vulnerabilities and Exposures

No Common Vulnerabilities and Exposures (CVEs) fixes apply to Ambari 2.7.1.

1.5. Known Issues

Ambari 2.7.1 has the following known issues, scheduled for resolution in a future release.

Table 1.3. Ambari 2.7.1 Known Issues

Apache Jira	Hortonworks Bug ID	Problem	Solution
AMBARI-24781	BUG-111968	When the ambari server setup-ldap cli is invoked for a second time, the previously configured LDAP values are not suggested as the defaults.	Values must be reconfigured each time the setup-ldap utility is invoked. https://docs.hortonworks.com/HDPDocuments/HDP3/HDP-3.0.1/ambari-authentication-ldap-ad/content/setting_up_ldap_user_authentication.html Configuring Ambari to authenticate external users
AMBARI-24781	BUG-111968	The ldap-type option cannot be passed in as a flag for silent configurations.	Configure the ldap type interactively. This option is only used to populate the initial defaults for the interactive setup-ldap menu and does not override explicitly configured options.

Apache Jira	Hortonworks Bug ID	Problem	Solution
AMBARI-24781	BUG-111968	Example values for setup-ldap using IPA do not sync group membership.	In the setup-ldap menu, configuring "posixaccount" for User object class and "member" for Group member attribute need to be explicitly set for most IPA installations.
N/A	BUG-110831	<p>'ambari-server setup-ldap' fails with AttributeError when master_key is not persisted</p> <p>1. Installed ambari-server and configured password encryption, but chose not to persist master key:</p> <pre> ===== === Choose one of the following options: [1] Enable HTTPS for Ambari server. [2] Encrypt passwords stored in ambari. properties file. [3] Setup Ambari kerberos JAAS configuration. [4] Setup truststore. [5] Import certificate to truststore. ===== ===== ===== ===== ===== Enter choice, (1-5): 2 Password encryption is enabled. Do you want to reset Master Key? [y/n] (n): y Master Key not persisted. Enter current Master Key: Enter new Master Key: Re-enter master key: Do you want to persist master key. If you choose not to persist, you need to provide the Master Key while starting the ambari server as an env variable named AMBARI_SECURITY_MASTER_KEY </pre>	Persist the master key BEFORE setting up LDAP.

Apache Jira	Hortonworks Bug ID	Problem	Solution
		<pre> or the start will prompt for the master key. Persist [y/n] (y)? n Adjusting ambari-server permissions and ownership... Ambari Server 'setup-security' completed successfully. Then, export environment variable. export AMBARI_SECURITY_MASTER_KEY= hadoop Then, run LDAP setup with the following settings: ambari-server setup-ldap -v ===== ==== Review Settings ===== ==== Primary LDAP Host (ldap.ambari. apache.org): ctr- e138-1518143905142-473336-01-000002. hwx.site Primary LDAP Port (389): 389 Use SSL [true/ false] (false): false User object class (posixUser): posixUser User ID attribute (uid): uid Group object class (posixGroup): posixGroup Group name attribute (cn): cn Group member attribute (memberUid): memberUid Distinguished name attribute (dn): dn Search Base (dc= ambari,dc=apache, dc=org): dc= apache,dc=org Referral method [follow/ignore] (follow): follow Bind anonymously [true/false] (false): false Handling behavior for username collisions </pre>	

Apache Jira	Hortonworks Bug ID	Problem	Solution
		<pre>[convert/skip] for LDAP sync (skip): skip ambari.ldap. connectivity. bind_dn: uid= hdfs,ou=people, ou=dev,dc=apache, dc=org ambari.ldap. connectivity. bind_password: ***** Save settings [y/ n] (y)? y</pre> <p>2. Issues:</p> <p>a. Master Key generation fails:</p> <pre>INFO: Loading properties from /etc/ ambari-server/ conf/ambari. properties Traceback (most recent call last): File "/usr/ sbin/ambari- server.py", line 1060, in <module> mainBody() File "/usr/ sbin/ambari- server.py", line 1030, in mainBody main(options, args, parser) File "/usr/ sbin/ambari- server.py", line 980, in main action_obj. execute() File "/usr/ sbin/ambari- server.py", line 79, in execute self. fn(*self. args, **self. kwargs) File "/usr/ lib/ambari- server/lib/ ambari_server/ setupSecurity. py", line 860, in setup_ldap encrypted_passwd = encrypt_password(LDAP_MGR_PASSWORD_ALIAS, mgr_password, options) File "/usr/ lib/ambari- server/lib/ ambari_server/</pre>	

Apache Jira	Hortonworks Bug ID	Problem	Solution
		<pre> serverConfiguration. py", line 858, in encrypt_password return get_encrypted_password(alias, password, properties, options) File "/usr/ lib/ambari- server/lib/ ambari_server/ serverConfiguration. py", line 867, in get_encrypted_password masterKey = get_original_master_key(properties, options) File "/usr/ lib/ambari- server/lib/ ambari_server/ serverConfiguration. py", line 1022, in get_original_master_key if options is not None and options. master_key is not None and options. master_key: AttributeError: Values instance has no attribute 'master_key' [root@ctr- e138-1518143905142-473336-01-000002 ~]# </pre> <p>b. Repeated prompt for Master Key, despite providing correct value.</p> <p>c. Returns an incorrect master key value and the shell repeats printing "ERROR: ERROR: Master key does not match." and scrolls the page</p> <p>3. The issues are seen when master key is not persisted as part of the initial password encryption step.</p>	
<p>AMBARI-24506</p>	<p>BUG-109436</p>	<p>Upgrade History page is blank after a cluster is upgraded multiple times</p>	<p>No known workaround.</p>

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.
AMBARI-24536	BUG-109839	When SPNEGO is enabled (<code>`ambari-server setup-kerberos`</code>), the SSO (<code>`ambari-server setup-ssu`</code>) redirect no longer works.	No known workaround. Do not enable both kerberos and SSO using ambari-server setup.
N/A	BUG-111345	This issue only applies when performing a "minor" Apache Ambari rolling upgrade from HDP-3.0.0 to HDP-3.0.1. After performing a rolling upgrade, some Apache Spark2 components may not start.	Select Spark2 > Configs > Custom spark2-thrift-sparkconf and add the following properties: <code>spark.yarn.keytab</code> and <code>spark.yarn.principal</code> . Set the value of these properties to match the values of the <code>spark.history.kerberos.keytab</code> and <code>spark.history.kerberos.principal</code> properties in Spark2 > Configs > Advanced spark2-defaults . Click Save , then restart Spark and any other services that require a restart.
N/A	BUG-115815	Zeppelin Server status alerts are not triggered even when Zeppelin server is stopped.	In the <code>alert_check_zeppelin.py</code> script located in the <code>/var/lib/ambari-agent/cache/common-services/ZEPPELIN/<version>/package/scripts/</code> folder, change the 'return' statement to the following: <pre>return (RESULT_CODE_CRITICAL, ["Zeppelin is not running"])</pre>

1.6. Fixed Issues

Incorrect Results

Hortonworks Bug ID	Apache JIRA	Summary
BUG-106877	AMBARI-24302	-Dhdp.version shows blank value in process output for Datanodes

Other

Hortonworks Bug ID	Apache JIRA	Summary
BUG-109603	AMBARI-24520	Fix set KDC admin credentials section in enable Kerberos doc
BUG-110249	AMBARI-24583	Ambari agent status could be reported stale just after execution command thread has finished execution

Performance

Hortonworks Bug ID	Apache JIRA	Summary
BUG-106846	AMBARI-24310	UI sends host check request for custom jdk with invalid hosts

Hortonworks Bug ID	Apache JIRA	Summary
BUG-107571	AMBARI-24320	SET_KEYTABS is preformed 2 times per host during Kerberos operations

Security

Hortonworks Bug ID	Apache JIRA	Summary
BUG-107067	AMBARI-24319	Multiple alerts after HDFS service only regenerate keytabs, as keytabs are out of sync
BUG-107420	AMBARI-24347	Unable to access the services through Knox SSO after upgrade
BUG-108280	AMBARI-24375	Adding services when Kerberos is enabled incorrectly changes unrelated service configurations
BUG-108303	AMBARI-24378	Updating LDAPSettings section for Ranger in Advanced config section
BUG-108686	AMBARI-24451	ambari ldap advanced group mapping rules does not work, LDAP sync does not add admin roles for configured group(s)
BUG-108980	AMBARI-24447	No subject alternative DNS name exception encountered when Enabling Kerberos against an Active Directory even when SSL verification is off
BUG-109608	AMBARI-24522	Cannot connect to MIT KDC admin server when port is specified in kerberos-env/admin_server_host

Stability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-101242	AMBARI-24300	Error in Tez Service Advisor for HDP 3.0
BUG-105574	AMBARI-24120	Cluster version is in invalid state after adding new host
BUG-105615	AMBARI-24388	Install HSI using Add HiveServer2 Interactive button failing
BUG-106836	AMBARI-24333	User is able to set the same short URLs for different view instances
BUG-107329	AMBARI-24349	Rescheduled and canceled tasks stay in progress forever
BUG-107337	AMBARI-24283	Post Ambari upgrade we get warnings "You have config groups present in the database with no corresponding service found"
BUG-107726	AMBARI-23076	Log Search - Shared services - make logfeeder config api work without zookeeper (use local configs)
BUG-109378	AMBARI-24496	Ambari updates latest_url info for HDP stacks with HDP link
BUG-109510	AMBARI-24504	Solr API reports backup as complete while copy is still in progress
BUG-94391	AMBARI-24290	Fix issues in AMS multiple cluster support and allow one cluster to leverage the metrics collector in another

Supportability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-107212	AMBARI-24272	OneFS service check fails with 'dfs_type' is not set.
BUG-107223	AMBARI-24273	hadoop-env is not regenerated when OneFS is used as a FileSystem
BUG-107395	AMBARI-24457	Hiveserver2 can't connect to metastore when using OneFS
BUG-107474	AMBARI-24286	Enabling Hive Server Interactive doesn't work with ONEFS
BUG-107792	AMBARI-24434	Unable to create cluster when hbase rootdir configured to s3 and there is no NAMENODE
BUG-108891	AMBARI-24456	Ambari server can not start on latest Amazon Linux 2
BUG-109487	AMBARI-24499	Ambari Blueprint deployments fail with multiple TIMELINE_READER instances
BUG-110219	AMBARI-24553	Cannot start Hive Metastore without HDFS
BUG-94351	AMBARI-24199	Fix Atlas HA support in Ambari via blueprint deployment

Upgrade

Hortonworks Bug ID	Apache JIRA	Summary
BUG-107350	AMBARI-24281	migrationConfigGenerator script failed with custom service user
BUG-107360	AMBARI-24322	DB Config Consistency Check has warnings on Ambari Upgrade
BUG-107402	AMBARI-24465	Warnings during ambari-agent, ambari-server upgrade
BUG-109047	AMBARI-24473	Ambari upgrade fails due to NPE when processing Ambari Infra changes
BUG-109559	AMBARI-24513	NPE when migrating users table during upgrade to Ambari 2.7.0 with Oracle DB

Usability

Hortonworks Bug ID	Apache JIRA	Summary
BUG-103990	AMBARI-24241	Host details page: remove duplicate title
BUG-104334	AMBARI-24005	[Logsearch UI] "Open log" context menu navigates user to default 'last 1 hour' filtered logs
BUG-105515	N/A	Service layout recommendations for new services (Ranger/Atlas/ATS) clobber the first node
BUG-105609	AMBARI-24161	Cannot distinguish components on Host Details page due to shortened display name (Ambari should show full component name on mouse over)
BUG-106823	AMBARI-24248	[LogSearch UI] There is no user notification on Log Feeder configuration saving

Hortonworks Bug ID	Apache JIRA	Summary
BUG-106969	AMBARI-24416	Component Versions Are Not Reported On Initial Status Commands Anymore
BUG-106995	AMBARI-24269	All input fields are disabled after validation - cancel - filter for something on advanced tab
BUG-107040	AMBARI-24352	Ambari 2.7.0.0-855: "Ranger KMS" Prior to Install, "Test Connection Button" Isn't Always Present
BUG-107050	AMBARI-24316	Inconsistent Ambari warnings when enabling Hive Interactive Query (LLAP)
BUG-107057	AMBARI-24313	Service disappear from the UI when Going back to "Customize Services" page or doing page refresh
BUG-107129	AMBARI-24308	'Changed properties' filter for configs is displayed even in non-compare mode
BUG-107404	AMBARI-24284	[Log Search UI] Make the app header aligned with the design
BUG-107480	AMBARI-24402	HBase Configuration page fails to load while UI Deploy when Ranger, KMS are not selected and service configurations are entered in a particular order
BUG-107656	AMBARI-24312	[Log Search UI] Audit screen sub tab changes clear the Summary charts.
BUG-107790	AMBARI-24325	[Log Search UI] Unaccessible query filter type ahead element in small window
BUG-108303	AMBARI-24378	Updating LDAPSettings section for Ranger in Advanced config section
BUG-108884	AMBARI-24424	[Log Search UI] Align the time histogram chart axis
BUG-108886	AMBARI-24425	[Log Search UI] Create visible time histogram selection area