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

List of Tables

1. Release Notes Ambari - 2.6.2.2

RELEASE NOTES: Apache Ambari 2.6.2.2

This document provides you with the latest information about the Apache Ambari 2.6.2.2 release and all the cumulative fixes until Ambari 2.6.2.64 including log4j-2.16.0. For more information, see fixed issuessection.

- Fixed Issue [3]

  Known Issue [6]

1.1. CVE 2021-44228 Remediation for HDP 2.6.5 and Ambari 2.6.2.0

As mentioned in Cloudera Technical Service Bulletin 2021-545 (Critical vulnerability in log4j2 CVE-2021-44228), the Hortonworks Data Platform (HDP) and Ambari are impacted by the recent Apache Log4j2 vulnerability. As per that bulletin:

The Apache Security team has released a security advisory for CVE-2021-44228 which affects Apache Log4j2. A malicious user could exploit this vulnerability to run arbitrary code as the user or service account running the affected software. Software products using log4j versions 2.0 through 2.14.1 are affected and log4j 1.x is not affected. Cloudera is making short-term workarounds available for affected software and is in the process of creating new releases containing fixes for this CVE.

1.1.1. Short Term Resolution

Remediation steps are outlined in the TSB-545 documentation.

Be aware that the following actions are pulling the vulnerable jar back in action again:

- Adding service

- Scaling up cluster

- Enabling features like: LZO, HDFS HA.

1.1.2. Long Term Resolution - HDP 2.6.5.340 and Ambari 2.6.2.64

Please follow the upgrade instructions for minor upgrades to replace the vulnerable HDP and Ambari bits. The instruction for updating the JDBC driver (affected by this vulnerability) can be followed here.

The bits are built on top of the GA'd HDP 2.6.5.0 and Ambari 2.6.2.0 with **log4j-2.16.0** on top.

HDP bits are built on top of the GA'd HDP 2.6.5.0 with **log4j-2.16.0** and the Ambari bits include 2.6.20 plus **all cumulative fixes** so far including **log4j-2.16.0**. For more information, see Fixed Issues for Ambari 2.6.2.64

Known Issue: SmartSense View cannot be used.

1.1.3. Ambari Repositories

Use the link appropriate for your OS family to download a repository file that contains the software for setting up Ambari.

As of January 31, 2021, all downloads of HDP and Ambari require a username and password and use a modified URL. You must use the modified URL, including the username and password when downloading the repository content.

`Ambari 2.6.2.65 Repositories`

OS	Format	URL
RedHat 6 CentOS 6 Oracle Linux 6	Base URL	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos6
	Repo File	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos6/ambari.repo
	Tarball md5 | asc	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos6/ambari-2.6.2.65-2-centos6.tar.gz
RedHat 7 CentOS 7 Oracle Linux 7	Base URL	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos7
	Repo File	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos7/ambari.repo
	Tarball md5 | asc	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/centos7/ambari-2.6.2.65-2-centos7.tar.gz
SLES 11	Base URL	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/suse11
	Repo File	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/suse11/ambari.repo
	Tarball md5 | asc	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/suse11/ambari-2.6.2.65-2-suse11.tar.gz
SLES 12	Base URL	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/sles12
	Repo File	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/sles12/ambari.repo
	Tarball md5 | asc	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/sles12/ambari-2.6.2.65-2-sles12.tar.gz
Ubuntu 14	Base URL	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/ubuntu14
	Repo File	https://archive.cloudera.com/p/ambari/patch/2.x/2.6.2.65-2/ubuntu14/ambari.list

	Tarball md5 | asc	https://archive.cloudera.com/ p/ambari/patch/2.x/2.6.2.65-2/ ubuntu14/ambari-2.6.2.65-2- ubuntu14.tar.gz
Ubuntu 16	Base URL	https://archive.cloudera.com/p/ ambari/patch/2.x/2.6.2.65-2/ubuntu16
	Repo File	https://archive.cloudera.com/ p/ambari/patch/2.x/2.6.2.65-2/ ubuntu16/ambari.list
	Tarball md5 | asc	https://archive.cloudera.com/ p/ambari/patch/2.x/2.6.2.65-2/ ubuntu16/ambari-2.6.2.65-2- ubuntu16.tar.gz
Ubuntu 18	Base URL	https://archive.cloudera.com/p/ ambari/patch/2.x/2.6.2.65-2/ubuntu18
	Repo File	https://archive.cloudera.com/ p/ambari/patch/2.x/2.6.2.65-2/ ubuntu18/ambari.list
	Tarball md5 | asc	https://archive.cloudera.com/ p/ambari/patch/2.x/2.6.2.65-2/ ubuntu18/ambari-2.6.2.65-2- ubuntu18.tar.gz

1.2. Fixed Issue

The following issue is resolved in Ambari 2.6.2.2:

Version	Category	Apache Jira	HWX Jira	Summary	Components
2.6.2.2	Other	AMBARI-23932	BUG-103818	A change in Ambari Ambari 2.6.2.0 caused a regression in metric average calculation resulting in artificially low metric average calculations. This issue causes some metrics alerts to fire and results in inaccurate data being reported.	AMS

Table 1.1. The following issues are resolved in Ambari 2.6.2.64:

Bug ID	Apache JIRA	Summary
	AMBARI-25549	NegativeArraySizeException thrown when invoking CurrentCollectorHost
	AMBARI-1277	Backport of Heatmap Data Issues
	AMBARI-25410	Add autocomplete for all repos url for login and password
	AMBARI-25265	upgrade AngularJS to v1.7.5
	AMBARI-25259	upgrade moment.js to v2.22.2
	AMBARI-24061	Clicking on 'Details' button in Upgrade wizard shows no data
	AMBARI-25281	Hive View API response contains plain-text password
	AMBARI-25155	Backport knox trusted proxy support for ambari for 2.6
BUG-116942		Solr commands fails with timeout exception during Atlas start operation via Ambari
BUG-115317		Ambari-server setup-ldap throws an error when any parameter has spaces
	BUG-125144	HDFS client install failed: Cloudbreak 2.9.2, Ambari 2.6.2.2, HDP 2.6.5.0-292 with paywall
	BUG-125273	Ambari-agent start fails
	BUG-125031	Service installation fails on Ubuntu
	AMBARI-25434	No Validation error on UI for an 'Unauthorized' repo url

Bug ID	Apache JIRA	Summary
	AMBARI-25548	Mask credentials during install step - Cherry-pick & fix conflicts
	BUG-122596	VDF registration fails with SunCertPathBuilderException: unable to find valid certification path to requested target' on HTTPS cluster
	BUG-122455	Adding VDF fails with paywalled repos/urls
	AMBARI-25434	No Validation error on UI for an 'Unauthorized' repo url - cherry-pick & fix conflicts
	AMBARI-25433	Adding VDF fails with paywalled repos/urls
	AMBARI-25433	Ambari should add login and password to urls populated from VDF
	AMBARI-25419	Add option to disable URL credential auto-update behaviour - Cherrypick + merge conflicts
	AMBARI-25409	Support basic auth for repositories. - cherrypick + merge conflicts
	BUG-110273	Pig service check failing when "dfs.user.home.dir.prefix" is changed.
	AMBARI-24323	Adding a component when the agent scripts are moved out and file download disabled takes > 1 hour and timeout
	AMBARI-23256	Ambari-agent setting permission of .hash files to 666
	AMBARI-24299	[Yarn Queue Manager] Yarn Queue manager View is resetting value some properties that are not defined UI
	AMBARI-25287	Persistent Cross Site Scripting in Ambari
BUG-117072		UI Install is unable to work with 'Redhat Satellite/Spacewalk' as local repository
	AMBARI-25451	Upgrade Grafana 2.6.x to 6.4.2 for Ambari 2.6.2
	AMBARI-23478	YARN Cluster CPU Usage Graph Always Shows High CPU Usage
BUG-103360		Unable to blacklist specific metrics in a service.
BUG-103818		Ambari Metrics reports incorrect numbers in aggregated host metric data
	AMBARI-23382	Ambari-server sync-ldap: Sync event creation failed
	AMBARI-25290	Custom timeout ignored, python script has been killed due to timeout after waiting 2700 secs during HDP upgrade
	AMBARI-25268	implement configurable password policy for Ambari users
	AMBARI-25204	Ambari returns stack trace in HTML doc when an error occurs retrieving details for an Ambari View resource that does not exist - backport for 2.6
BUG-124994		No warning message at changing repo name to an invalid one
BUG-123386		Broken inputs when trying to edit views in Ambari Admin
BUG-124784		Configs XSS issues
BUG-124783		Username validation update
BUG-125764		Some Grafana's dashboards/graphs don't show metrics in Ambari-2.6.2.63. Fix for "Kafka - Consumer Lag" dashboard.
BUG-125554		Invalid metric pattern for kafka FetcherLag metric.
BUG-125764		Some Grafana's dashboards/graphs don't show metrics in Ambari-2.6.2.63. Fix for "Hive - HiveServer2" dashboard, "API call times - Health Check roundtrip
BUG-125762		Grafana on Ambari 2.6.2.63-13 affected by CVE-2021-28147.
BUG-125506		Uplift Grafana 2.6.x to 6.7.4 for Ambari 2.6.2. AMS HBase fix.
BUG-124912		Separate logic for masking and hiding for views' properties.
BUG-123721		DB connection details in API calls.
BUG-123397		Combined hotfix request for VISA on top of Ambari 2.7.3.
	AMBARI-1276	Move curator-framework to 2.12.0 to get shaded guava libs
BUG-124392		config group with value "null" gets deleted if we use --auto-fix-database flag

Bug ID	Apache JIRA	Summary
	AMBARI-24077	[Upgrade wizard shows incorrect host count if there is failure on some host during any upgrade step.
BUG-11364		Infinite login loop created when user does not have rights to query for Request data.
	BUG-111144	Slider view compilation failure.
	AMBARI-24019	Upgrade Task details is not loading in Upgrade History Details Window.
	AMBARI-23978	Express Upgrade: Clicking on upgrade item shows no tasks on large clusters.
	AMBARI-23303	Use NameNode Upgrade Timeout Override In All Upgrade Packs
	AMBARI-25280	Improper error handling when managing Ambari users
	AMBARI-25252	Disable directory Indexing at /resources
	AMBARI-25181	Host registration through Ambari UI failed with an error "Unsupported Media Type"
	AMBARI-25178	[Knox TP] Config Group selection is empty while Adding Service in Ambari
	AMBARI-25175	Start, Stop, Service Check and other request actions using PUT/POST from Ambari UI do not respond when tried via Knox TP
BUG-125775		log4j2 uplift to 2.16 and storm-core exclusions
BUG-125644		Disable possibility to create or use local users
BUG-101322		DB Cleanup scripts are using IN clauses
BUG-123381		ambari-admin build failed because of the issue with transitive "q" dependency of bower
	AMBARI-25411	Cannot use HTTPS repourl and VDF url.
	AMBARI-23604	Hive View : handled table buckets specification in upload table
BUG-115304		Backport Fix for Storm Service Check with AutoTGT to Ambari 2.6.2.2
	AMBARI-24228	Agent-side command-*.json files should optionally be deleted when no longer needed by the command
	AMBARI-24264	[Suppress log messages from the credential_store_helper
	AMBARI-24562	Protect the ClusterConfig resource so that only authorized users may have read-only access the data
	BUG-113297	LDAP users fail to authenticate using LDAPS due to exception
	BUG-112299	Ambari Server Ldap Sync Failed upon subject alternative DNS name check
	BUG-105763	Rolling restarts not working when Kerberos Auto sign in is enabled for Ambari
	BUG-104580	Regenerate Keytabs/Reenable security After Ambari Upgrade modifies hadoop.proxyuser.HTTP.hosts to an incorrect value
	BUG-125775	Ambari - log4j2 zero day vulnerability fix
	BUG-125506	Uplift Grafana 2.6.x to 6.7.4 for Ambari 2.6.2.
	BUG-123897	Removing velocity templating engine from the infra-solr
AMBARI-25353		Seeing an error stack when running an API call against Ambari server
	BUG-115709	End users should be able to execute setup-ldap tool without manual intervention
	AMBARI-24546	Inserting new role authorization into DB tables
	BUG-125775	Fix for contrib/views
	AMBARI-25379	Upgrade AMS Grafana version to 6.4.2
	BUG-114377	Tez View configurations not loading when in custom configuration mode.

More Information

Selected issues resolved in Ambari 2.6.2

1.3. Known Issue

The following known issue remains unresolved in Ambari 2.6.2.2:

Apache Jira	Hortonworks Bug ID	Problem	Workaround
N/A	BUG-123182	SmartSense service stops when you upgrade to **Ambari 2.6.2.45-8** on Ubuntu 18 with OpenSSL 1.1.x installed.	No known workaround. Upgrade to SmartSense 1.5.1 as it supports OpenSSL 1.1.x.
AMBARI-24536	BUG-109839	When SPNEGO is enabled (`ambari-server setup-kerberos`), the SSO (`ambari-server setup-sso`) redirect no longer works.	No known workaround. Do not enable both kerberos and SSO using ambari-server setup.

Table 1.2. The following is a known issue in Ambari 2.6.2.64:

Apache JIRA ID	Cloudera Bug ID	Problem	Workaround
N/A	BUG-125800	SmartSense View fails to start	Backup before upgrade. Remove the following files in /var/lib/ambari-server/resources/views : smartsense-ambari-view-1.4.5.2.6.2.64-6.jar and work/SMARTSENSE{1.4.5.2.6.2.64-6}. Then copy back old versions smartsense-ambari-view-1.4.5.2.6.2.0-155.jar and work/SMARTSENSE{1.4.5.2.6.2.0-155}

More Information

Known issues in Ambari 2.6.2