

Hortonworks Data Platform

Ambari Release Notes

(Jul 15, 2014)

Hortonworks Data Platform : Ambari Release Notes

Copyright © 2012-2014 Hortonworks, Inc. All rights reserved.

The Hortonworks Data Platform, powered by Apache Hadoop, is a massively scalable and 100% open source platform for storing, processing and analyzing large volumes of data. It is designed to deal with data from many sources and formats in a very quick, easy and cost-effective manner. The Hortonworks Data Platform consists of the essential set of Apache Hadoop projects including MapReduce, Hadoop Distributed File System (HDFS), HCatalog, Pig, Hive, HBase, Zookeeper and Ambari. Hortonworks is the major contributor of code and patches to many of these projects. These projects have been integrated and tested as part of the Hortonworks Data Platform release process and installation and configuration tools have also been included.

Unlike other providers of platforms built using Apache Hadoop, Hortonworks contributes 100% of our code back to the Apache Software Foundation. The Hortonworks Data Platform is Apache-licensed and completely open source. We sell only expert technical support, [training](#) and partner-enablement services. All of our technology is, and will remain free and open source. Please visit the [Hortonworks Data Platform](#) page for more information on Hortonworks technology. For more information on Hortonworks services, please visit either the [Support](#) or [Training](#) page. Feel free to [Contact Us](#) directly to discuss your specific needs.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

<http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Table of Contents

1. Release Notes Ambari-1.6.1	1
1.1. What's Changed in Ambari-1.6.1	1
1.2. Patch Information	11
1.3. Behavioral Changes	11
1.4. Improvements	12
1.5. Known Issues	12
2. Release Notes Ambari-1.6.0	20
2.1. What's Changed in Ambari-1.6.0	20
2.2. Patch Information	25
2.3. Improvements	25
2.4. Known Issues	25
3. Release Notes Ambari-1.5.1	31
3.1. What's Changed in Ambari-1.5.1	31
3.2. Patch Information	36
3.3. Improvements	37
3.4. Known Issues	37
4. Release Notes Ambari-1.5.0	40
4.1. What's Changed in Ambari-1.5.0	40
4.2. Patch Information	44
4.3. Improvements	44
4.4. Known Issues	44

1. Release Notes Ambari-1.6.1

RELEASE NOTES: Apache Ambari 1.6.1

In this document:

- [What's Changed in Ambari-1.6.1](#)
- [Patch Information](#)
- [Behavioral Changes](#)
- [Improvements](#)
- [Known Issues](#)

1.1. What's Changed in Ambari-1.6.1

The following changes were made in Ambari-1.6.1:

Apache JIRA

[AMBARI-5112](#), [AMBARI-5698](#)
[AMBARI-5459](#)
[AMBARI-5497](#), [AMBARI-5740](#)
[AMBARI-5530](#)
[AMBARI-5545](#)
[AMBARI-5546](#)
[AMBARI-5580](#)
[AMBARI-5589](#)
[AMBARI-5600](#)
[AMBARI-5605](#)
[AMBARI-5607](#)
[AMBARI-5610](#)
[AMBARI-5624](#)
[AMBARI-5628](#)
[AMBARI-5632](#)
[AMBARI-5635](#)
[AMBARI-5638](#)
[AMBARI-5639](#)
[AMBARI-5641](#)
[AMBARI-5647](#)
[AMBARI-5667](#)
[AMBARI-5668](#)
[AMBARI-5671](#)
[AMBARI-5676](#)
[AMBARI-5679](#)
[AMBARI-5680](#)
[AMBARI-5682](#)
[AMBARI-5683](#)

Support Tracking

[BUG-13332](#)
[BUG-15977](#)
[BUG-14257](#)
[BUG-16626](#)
[BUG-17045](#)
[BUG-15976](#)
[BUG-16856](#)
[BUG-16425](#)
[BUG-16880](#)
[BUG-16414](#)
[BUG-17574](#)
[BUG-16688](#)
[BUG-15682](#)
[BUG-16743](#)
[BUG-16654](#)
[BUG-16798](#)
[BUG-16783](#)
[BUG-13385](#)
[BUG-16402](#)
[BUG-17341](#)
[BUG-17482](#)
[BUG-16711](#)
[BUG-17443](#)
[BUG-17087](#)
[BUG-16790](#)
[BUG-17524](#)
[BUG-17523](#)
[BUG-15550](#)

Summary

[hadoop-mapreduce.jobsummary.log is empty](#)
[Usability: Improve Stack Definition support for](#)
[Usability: Ambari-server states it has started](#)
[Add ui controls for deleting + adding Ganglia](#)
[Installer wizard: start all services request hav](#)
[Call for requests with 'page_size' always retu](#)
[Introduce operation_level request paramete](#)
[Cannot start NodeManager after decommis](#)
[Usability: NameNode/ResourceManager/HB](#)
[Usability UX: Default key actions for dialog b](#)
[Yarn Nodemanager Metrics only update eve](#)
[Usability: When setting up HTTPS for ambar](#)
[Usability: Check for JDK is installed on hosts](#)
[Explicitly disabling datanucleus l2 cache for h](#)
[Tag exists problem when running config up](#)
[UI changes for required for MM support](#)
[Error in persisting web client state when ena](#)
[Ambari Server will not respond to HTTP con](#)
[Some operators in the view look very small r](#)
[On empty jobs page, new queries are not sh](#)
[Fix UI Unit tests](#)
[JobsDiagnostic|2.1.1: No job status and end](#)
[Externalize OS family relationship](#)
[Perf: Transition from Install Options to Conf](#)
[Unit tests for steps 7 \(with refactor\)](#)
[After kerberos_setup.sh usage krb5.conf ge](#)
[UI unit tests for Add Security controller](#)
[Ganglia Monitor fails to install on SLES 11 SP](#)

AMBARI-5689	BUG-16435	In some cases automated agent setup does not
AMBARI-5692	BUG-17489	Unit tests for utils/config.js part 1
AMBARI-5694	BUG-17527	Unit test for step views
AMBARI-5696	BUG-13136	Usability: performing connectivity checks ag
AMBARI-5700	BUG-17558	Need to update HIVE_AUX_JARS_PATH in h
AMBARI-5701	BUG-17572	Force coverage report to cover all files
AMBARI-5703	BUG-17576	UI unit tests for Add Security step 2
AMBARI-5709	BUG-17573	Unit tests for step controllers (2, 4, 10)
AMBARI-5712	BUG-17505	WebHCAT pid dir is not correct
AMBARI-5715	BUG-17136	Usability: Ability to edit local repo urls in the
AMBARI-5720	BUG-16819	pig.properties should set pig.location.check
AMBARI-5731	BUG-17530	UI unit tests for Add Security step 3
AMBARI-5733	BUG-17666	Unit tests for step controllers (3), views (3, 9)
AMBARI-5734	BUG-17404	Ambari installation should run the hive sche
AMBARI-5737	BUG-17758	Tests folder structure should be equal to app
AMBARI-5738	BUG-17760	Unit test and refactoring for controllers/mai
AMBARI-5741	BUG-17765	Trunk build is broken with views build not w
AMBARI-5743	BUG-16889	Remove the property dfs.datanode.du.pct fi
AMBARI-5745	BUG-17703	Bootstrap time out message needs to be mo
AMBARI-5748	BUG-16883	Improve handling of groupmod errors and p
AMBARI-5750	BUG-17814	Ambari not configuring Ganglia/gmetad cor
AMBARI-5756	BUG-17539	Multiple repositories support in UI installat
AMBARI-5757	BUG-17764	Agent can not download modified stack file
AMBARI-5758	BUG-17742	UI unit tests for Add Security step 4
AMBARI-5760	BUG-17747	Unit tests for step controllers (5)
AMBARI-5761	BUG-17063	2000-node cluster testing: during install pha
AMBARI-5763	BUG-15555	Nagios should send alert for NumberOfMissi
AMBARI-5768	BUG-17868	Create a different global for hive heapsize ->
AMBARI-5769	BUG-17858	Views: selection should use instance name, r
AMBARI-5771	BUG-17754	Multiple repositories support in UI Admin >
AMBARI-5777	BUG-17844	UI unit tests for Admin->Users page view
AMBARI-5781	BUG-17408	Views: when a particular view is selected, th
AMBARI-5783	BUG-17834	Pig fails to install through blueprint
AMBARI-5784	BUG-17161	Nagios read timeout on 1000 node cluster
AMBARI-5787	BUG-17748	Unit tests for step controllers (7) with refact
AMBARI-5790	BUG-17326	Add test scenario for changes in composing
AMBARI-5797	BUG-17905	Agent function get_port_from_url is broken
AMBARI-5798	BUG-18382	Apache AMBARI-5798 Host Check erroneou
AMBARI-5799	BUG-11706	API improvements for exposing host info
AMBARI-5800	BUG-18384	Apache AMBARI-5800 Race condition when
AMBARI-5801	BUG-17890	Views: file sort control not set on first view
AMBARI-5805	BUG-17750	Unit test for steps sub-views
AMBARI-5806	BUG-17363	/etc/hadoop/conf/dfs.exclude should be po
AMBARI-5808	BUG-17845	Unit test and refactoring for controllers/mai
AMBARI-5809	BUG-16750	Usability: Ensure that hostname (fqdn) and
AMBARI-5820	BUG-18021	Add unit tests for mixins
AMBARI-5821	BUG-17793	Add unit tests for jobs models

AMBARI-5822	BUG-17492	Add unit tests for models
AMBARI-5824	BUG-16836	Expose component counts via API
AMBARI-5831	BUG-17464	Prepare Oozie WAR file step in Oozie upgrade
AMBARI-5832	BUG-17990	"service_name" field unavailable from Hosts
AMBARI-5834	BUG-18061	After upgraded to 1.6.0, Nagios server cannot
AMBARI-5835	BUG-18041	Rat check failures in trunk
AMBARI-5836	BUG-17955	Bulk Ops need to keep working with Ambari
AMBARI-5837	BUG-17677	BUG-17250 Enable Lineage related configuration
AMBARI-5840	BUG-17869	Ambari recommission of datanodes will not work
AMBARI-5841	BUG-18027	Views: Enable experimental views should show
AMBARI-5842	BUG-17510	Usability: add Reverse Lookup validation to
AMBARI-5845	BUG-17908	pig-properties not posted on server by UI
AMBARI-5847	BUG-18094	Nodemanager is running on nodes that were
AMBARI-5850	BUG-18030	Disable debian for 1.6.1
AMBARI-5851	BUG-18042	Host Checks: Repository Issue should not exist
AMBARI-5854	BUG-17916	Background Operations popup hangs and m
AMBARI-5855	BUG-18102	Global properties are not being surfaced on
AMBARI-5856	BUG-18031	Allow custom actions to be run with api/v1/
AMBARI-5857	BUG-18112	De-couple ClusterEntity, StateEntity, Request
AMBARI-5858	BUG-17951	Convert Hosts table to use server-side paging
AMBARI-5859	BUG-17822	Provide host specific aggregate metrics on C
AMBARI-5862	BUG-18122	[Customer: Barclays POC] yarn.timeline-server
AMBARI-5867	BUG-18026	Add unit tests for views/*.js files
AMBARI-5869	BUG-18111	Confirm Hosts failed (suse11, 1.6.1)
AMBARI-5870	BUG-18162	UI not showing Failed task on large cluster (
AMBARI-5871	BUG-18082	Views: Can't install new instance after depl
AMBARI-5876	BUG-18188	Add host fails when only tasktracker is select
AMBARI-5877	BUG-18073	CentOS5, Ambari Server upgraded from 1.5.
AMBARI-5878	BUG-18045	Ambari 1.6.0 + HDP 1.3 stack: hadoop job su
AMBARI-5880	BUG-18006	Decommission RegionServer warning msg pe
AMBARI-5881	BUG-17985	Particular custom port breaks Oozie check (s
AMBARI-5885	BUG-16505	Usability: check that hostnames are resolvea
AMBARI-5888	BUG-18959	Nagios Alerts On SLES Toggle In Maintenance
AMBARI-5888	BUG-18118	YARN alert, related to 'App timeline server',
AMBARI-5888	BUG-18279	AMBARI-5888 Nagios is not stopping on sles
AMBARI-5889	BUG-18213	Alerts appearing on SLES
AMBARI-5890	BUG-17936	HDFS High Availability Provisioning Fails
AMBARI-5891	BUG-17954	Convert Dashboard / Service pages to use ag
AMBARI-5895	BUG-18079	Suppress any debug and info messages from
AMBARI-5897	BUG-18216	Convert Hosts page to use aggregate counts
AMBARI-5899	BUG-17381	Running upgradestack should require 3 args
AMBARI-5900	BUG-18152	Installation error on 2000 node cluster (ulim
AMBARI-5901	BUG-18224	Return code 127 out of bounds Nagios error
AMBARI-5902, AMBARI-6028	BUG-18187	Views: View managed resources need @Pro
AMBARI-5906	BUG-18193	Add support to create arbitrary gmond serv
AMBARI-5907	BUG-16732	Usability: Do not allow user to install default
AMBARI-5908	BUG-18243	Enable Security: Invalid configurations are ap

AMBARI-5909	BUG-18284	Manage Config groups filter by Component
AMBARI-5911	BUG-18178	OS constants should be located in one place
AMBARI-5913	BUG-18315	Nagios addons create rpm script fails when
AMBARI-5914	BUG-17836	Views: View server-side events
AMBARI-5915	BUG-17893	View: Files UI clean-up and adjustments (PA
AMBARI-5917	BUG-18310	/api/v1/clusters resource returns 500 with O
AMBARI-5919	BUG-18348	Ambari views: List of view instances always r
AMBARI-5921	BUG-16659	Enable Security Wizard: Unnecessary popup
AMBARI-5922	BUG-18334	Predicates don't work on fields with float va
AMBARI-5926	BUG-17952	Integrate server-side filtering and sorting fo
AMBARI-5927	BUG-18227	Manage Configuration groups takes too lon
AMBARI-5929	BUG-18229	Views : Pass temporal request to view resour
AMBARI-5930	BUG-17979	Some HBase properties are empty, but requ
AMBARI-5935	BUG-18389	Maintenance state and status commands pe
AMBARI-5942	BUG-18364	"Nagios Server Start" task failed for "Start AL
AMBARI-5948	BUG-18393	Unable to Deploy Cluster After Wizard Step
AMBARI-5949	BUG-18400	Kerberos setup script should not be allowed
AMBARI-5951	BUG-18386	Install wizard step 7. Clicking next button d
AMBARI-5952	BUG-18411	Kerberos setup script should not change the
AMBARI-5953	BUG-17900	Views: instancedata should be ambari user s
AMBARI-5954	BUG-18267	Incorrect href in async response from cluster
AMBARI-5956	BUG-18418	DB connection check error if jdk_name does
AMBARI-5957	BUG-11258	Bootstrap API call says bootstrap is running
AMBARI-5958	BUG-18341	Optimize Nagios alert processing for 2K clus
AMBARI-5960	BUG-18420	Add support for auth proxy
AMBARI-5963	BUG-18433	Ambari trunk builds are failing
AMBARI-5964	BUG-18370	Integrate server-side filtering of selected hos
AMBARI-5965	BUG-17180	Usability: .repo file template should be part
AMBARI-5966	BUG-18419	Broken /api/v1/requests
AMBARI-5968	BUG-18314	Decommissioned of DataNode does not wor
AMBARI-5970	BUG-17439	Views: Add <label> to <instance>
AMBARI-5974	BUG-18438	Customize rrdcached configuration to impro
AMBARI-5978	BUG-18444	more files missing AL headers introduced by
AMBARI-5979	BUG-18409	Security page does not load configurations a
AMBARI-5980	BUG-17294	Usability: add JDK check in Host Checks UI
AMBARI-5981	BUG-18367	Hosts API should provide count of filtered h
AMBARI-5983	BUG-18458	Convert UI code of configs and config group
AMBARI-5984	BUG-17813	Ganglia directory customization failing on tr
AMBARI-5985	BUG-17807	SNMP Cleanup - confirm and make sure its n
AMBARI-5987	BUG-18154	Views: On View Instance create, should valid
AMBARI-5988	BUG-17529	Stack extension does not work for monitorin
AMBARI-5989	BUG-18442	Ambari 1.5.1.110 changes ownership of /tm
AMBARI-5992	BUG-17509	Usability: add hostname resolution validation
AMBARI-5993	BUG-15588	Unit Testing Improvements : Examine TestPas
AMBARI-5994	BUG-18153	Storm UI in Ambari quick link fails when Sto
AMBARI-5995	BUG-18427	Installer wizard service confog page: JS refer
AMBARI-5996	BUG-18191	Views: ViewResourceHandler should allow R

AMBARI-5998	BUG-18477	Custom action tasks response returns invalid
AMBARI-5999	BUG-18461	Convert Heatmaps page to load all hosts on
AMBARI-6002	BUG-18368	Substitute pagination info with values from
AMBARI-6003	BUG-18171	Metrics hostname is not correct for storm
AMBARI-6004	BUG-18357	Background ops dialog layout off
AMBARI-6006	BUG-17412	Views: Add <description> to view instance
AMBARI-6007	BUG-18285	Incorrect resource filter submitted with Rolli
AMBARI-6009	BUG-17542	Usability: provide database connectivity che
AMBARI-6012	BUG-18369	ATS start fails on due to ClassNotFoundExce
AMBARI-6013	BUG-17564	Views: Provide <visible> property on view ins
AMBARI-6014	BUG-17906	Alerts hang for a long time after enabling M
AMBARI-6015	BUG-15086	Blueprints: Provide topology validation durin
AMBARI-6016	BUG-18273	On Exception, database connection passwor
AMBARI-6017	BUG-18495	Load Hosts on demand for Security and High
AMBARI-6018	BUG-18502	On configuration saving it says saved success
AMBARI-6019	BUG-18470	Views : JPA Exception installing view
AMBARI-6020	BUG-18517	Check database connection: host name loca
AMBARI-6022	BUG-18522	JournalNode counter view broken
AMBARI-6023	BUG-18453	Datanode and Nodemanager count on the c
AMBARI-6025	BUG-18516	Convert UI code of Move Master Wizard to
AMBARI-6026	BUG-18515	Convert UI code of Add Host and Add Servic
AMBARI-6029	BUG-18492	Hostname resolution check reports error wh
AMBARI-6030	BUG-18528	structured_out should be a JSON object, not
AMBARI-6032	BUG-18537	Remove minor dependencies with Host and
AMBARI-6033	BUG-18531	pig.properties customization UI needs impro
AMBARI-6034	BUG-18500	Services -> Configs page for Yarn, HIVE, Map
AMBARI-6035	BUG-18533	UI: treat structured_out as JSON, not stringi
AMBARI-6036	BUG-17803	When ATS is not running, Job details page ju
AMBARI-6037	BUG-18498	Load public host names for Quick Links
AMBARI-6038	BUG-18460	Remove updating of all hosts
AMBARI-6039	BUG-18044	ZK should not be required to be restarted at
AMBARI-6041	BUG-18545	Blueprints don't support cluster creation wh
AMBARI-6043	BUG-18541	Security Wizard: Service config page blank o
AMBARI-6044	BUG-18543	Issues with jdbc properties
AMBARI-6045	BUG-18561	Master components are missing
AMBARI-6046	BUG-18301	Lags on Assign Masters step on big cluster
AMBARI-6047	BUG-18564	Widget for supervisor always shows zero on
AMBARI-6049	BUG-18304	Ambari-agent start fails if there is no dns rec
AMBARI-6050	BUG-18560	Error in loading stale_configs
AMBARI-6051	BUG-18562	Fixing Add Host and Add Service Wizard issu
AMBARI-6052	BUG-18563	Load host-components of displayed Hosts
AMBARI-6053	BUG-18571	Add Host wizard get stuck on Confirm Hosts
AMBARI-6054	BUG-18572	Turning On Maintenance mode for any servi
AMBARI-6055	BUG-17283	Flume: API returns agents info even after it
AMBARI-6056	BUG-18547	Agent Custom Command Output Coerces In
AMBARI-6057	BUG-18496	Enable Security wizard: Deploy step hangs if
AMBARI-6060	BUG-18596	Ambari-web project build should fail if brun

AMBARI-6062	BUG-18566	Rolling restart (Panel: Future operations of t
AMBARI-6063	BUG-18299	"ambari-server start command" hangs if was
AMBARI-6065	BUG-18072	Extra string op_lvl in the command descripti
AMBARI-6066	BUG-18471	'Start Hive' operation shows error in case wh
AMBARI-6067	BUG-18666	Information about components in running/
AMBARI-6068	BUG-18101	Ambari web client should use stacks API inst
AMBARI-6069	BUG-18612	Unit Tests Fail When Setting the Server Versi
AMBARI-6070	BUG-18168	Call to fetch metrics takes over 20 seconds
AMBARI-6071	BUG-18663	StackUpgradeHelperTest fails
AMBARI-6072	BUG-18667	Cpu usage graph stuck in loading when data
AMBARI-6073	BUG-18674	HA step 2: Uncaught object error
AMBARI-6074	BUG-18507	Ambari 2.1 STORM stack definition is missing
AMBARI-6075	BUG-18673	YARN summary shows 0 clients installed
AMBARI-6076, AMBARI-6171	BUG-18525	Ambari server is not starting after upgrade
AMBARI-6077	BUG-18505	Ambari 2.1 FALCON stack definition is missin
AMBARI-6078	BUG-18508	Ambari 2.1 YARN stack definition is missing
AMBARI-6079	BUG-18657	Selected hosts counter on Hosts Actions men
AMBARI-6080	BUG-18672	Hosts Components filter on Service summary
AMBARI-6081	BUG-18682	Add host name property to HostComponent
AMBARI-6082	BUG-18763	Ambari-server setup does not check that cus
AMBARI-6083	BUG-18601	Disable Lineage related configuration for Fa
AMBARI-6084	BUG-18693	HA wrong counter of hosts without masters
AMBARI-6087	BUG-18656	Multiple ATS appear on YARN summary pag
AMBARI-6089	BUG-18778	Remove Hive Tez vertex sizing based on vert
AMBARI-6090	BUG-18772	'ambari-server upgrade' command fails.
AMBARI-6091	BUG-18783	Mapreduce jobs are failing in ambari secure
AMBARI-6092	BUG-16536	Ambari server should return alerts for Flume
AMBARI-6093	BUG-18794	Ambari secure cluster configures all users as
AMBARI-6094	BUG-18687	Strange behavior of 'Quick links' menu on H
AMBARI-6095	BUG-17651	Views: standardize way to obtain "icon" fro
AMBARI-6096	BUG-18700	JS error on Customize Services step of Add S
AMBARI-6097	BUG-18802	Filtering hosts causes pagination number to
AMBARI-6101	BUG-18670	Oozie UI quick link directed to wrong host U
AMBARI-6102, AMBARI-6255	BUG-18790	Refreshing of components indicators is too s
AMBARI-6103	BUG-18825	Agent start fails on c5, blocking host confir
AMBARI-6105	BUG-18839	cluster ID 2 not found error" popup on pollin
AMBARI-6107	BUG-18798	Part of Validation string-type configs in MR2
AMBARI-6108	BUG-17495	Zookeeper client check fails when security e
AMBARI-6109	BUG-18881	Nagios installation failed due to incompatibl
AMBARI-6110	BUG-18668	Show dropdown doesn't work on Backgroun
AMBARI-6111	BUG-18873	Change dbconnection test connection failur
AMBARI-6112	BUG-18837	Filter by alerts fails on Hosts table
AMBARI-6113	BUG-18835	Nagios install fails on SLES due to php5-json
AMBARI-6114	BUG-18829	No loading spinner on Add Service Wizard
AMBARI-6115	BUG-18658	HBase region server doesn't start on added
AMBARI-6116	BUG-18689	HA POST conflicts
AMBARI-6117	BUG-18770	Names of services on Host Details page are

AMBARI-6120	BUG-18573	Don't load hosts with config groups and tag
AMBARI-6122	BUG-18871	Explicitly tell the user to set up JDBC driver if
AMBARI-6123	BUG-18768	Issues with dialog keypresses
AMBARI-6127	BUG-18833	Hive and Oozie can't connect to External Pos
AMBARI-6128	BUG-18856	Security Wizard: Create principals and keyta
AMBARI-6129	BUG-18893	Ambari-server setup with jdbc options runs s
AMBARI-6130	BUG-18694	MySQL Server won't stop during StopAll ope
AMBARI-6131	BUG-18828	Services page intermittently loaded with em
AMBARI-6132	BUG-18767	Dashboard graphs not showing up
AMBARI-6133	BUG-18831	Incorrect summary on Review page in Add S
AMBARI-6134	BUG-18869	Modify ambari-server setup help text for -jd
AMBARI-6136	BUG-18965	Change "postgresql" to "postgres" in check c
AMBARI-6137	BUG-18779	Bulk operations confirmation popup
AMBARI-6139	BUG-18840	Cluster health report contains incorrect data
AMBARI-6140	BUG-18676	Step3. Hosts checks requests
AMBARI-6141	BUG-18760	Rolling Restart popup contains no relevant i
AMBARI-6143	BUG-18669	Manage Configuration Groups popup add b
AMBARI-6144	BUG-17407	Views: create a main landing page
AMBARI-6145	BUG-18976	npm peerdependencies errors during packag
AMBARI-6146	BUG-18951	It's not possible to input 'Enter' on 'Target h
AMBARI-6147	BUG-18875	Ambari Dashboard page, click NameNode lin
AMBARI-6154	BUG-18830	Only loaded hosts available for Config Group
AMBARI-6155	BUG-18956	JS error on POST config group request (step
AMBARI-6156	BUG-19052	Change calls which request logs to asynchro
AMBARI-6157	BUG-18765	A log INFO level messages in ambari-server l
AMBARI-6162	BUG-18803	Behavior change: host filtering no longer ha
AMBARI-6165	BUG-19066	Change calls which download configs to asy
AMBARI-6168	BUG-18957	Error message about absent ATS after upgra
AMBARI-6169	BUG-19077	Installer wizard: ambari web-client issues inv
AMBARI-6170	BUG-18865	Clarify Database Connectivity warning mess
AMBARI-6172	BUG-18675	Show repo names on Review step
AMBARI-6175	BUG-18345	delete: confirmation dialog formatting, chec
AMBARI-6178	BUG-18771	After changing some some service configs co match
AMBARI-6179	BUG-18887	line-height causes button bottom to get cut
AMBARI-6180	BUG-18847	Ganglia metrics are unavaliable on SUSE
AMBARI-6181	BUG-18773	Heatmaps page incomplete loading of hosts
AMBARI-6182	BUG-18780	Restart indicators do not appear without ma
AMBARI-6183	BUG-18958	Various issues on hdfs services page after en
AMBARI-6184	BUG-19045	Incorrect value for started_count of Datan
AMBARI-6185	BUG-18820	Secure cluster: JCE policy files not distribut
AMBARI-6186	BUG-19105	Ambari unit tests for ambari-trunk (centos5)
AMBARI-6187	BUG-18759	Hosts table sorting doesn't work
AMBARI-6188	BUG-19569	HBase Master components links on 'HBase s
AMBARI-6188	BUG-18908	HBase Master components links on 'HBase s
AMBARI-6189	BUG-18971	Wizards should not persist tasks logs data to
AMBARI-6190	BUG-18886	/conf symlink issues

AMBARI-6191	BUG-18786	Error in saving local db to localStorage
AMBARI-6192	BUG-19128	On 'Configure Components' step of HA wizard
AMBARI-6193	BUG-19134	Upgrading schema' failed during upgrading
AMBARI-6194	BUG-18890	Unsuitable height of dropdown menu on m
AMBARI-6195	BUG-18775	Tasks request without response blocks UI
AMBARI-6196	BUG-19146	JS errors occur when refreshing service page
AMBARI-6198	BUG-19071	Usability: adjust font style in stdout in backg
AMBARI-6199	BUG-19067	ListBoxes with hostnames on 'Select Hosts' p
AMBARI-6200	BUG-18894	Maintenance Mode is turned on/off for all h
AMBARI-6201	BUG-18546	Ambari REST API /stacks endpoint uses the v
AMBARI-6203	BUG-19141	Unable to assign host in HA wizard
AMBARI-6204	BUG-19161	Paging does not work on Hosts page
AMBARI-6205	BUG-19168	Hosts: host health filter is broken
AMBARI-6206	BUG-18782	BGO popup: Incorrect number of tasks in ca
AMBARI-6207	BUG-19193	Installer Wizard Step 7-8: namenode_heapsi
AMBARI-6208	BUG-18681	Nagios 'Restart all components' button does
AMBARI-6210	BUG-19194	Schema upgrade failed on CentOS 5
AMBARI-6212	BUG-19184	Browser refresh makes Configure Componen
AMBARI-6213	BUG-19120	In HA mode HDFS Summary page does not s
AMBARI-6214	BUG-19221	Command <ambari-server upgradestack HD
AMBARI-6215	BUG-19053	Default add host sequence triggers many un
AMBARI-6216	BUG-19180	HA wizard incorrect tasks to host mapping
AMBARI-6217	BUG-19202	Ambari-web's YARN Metric "Queue Memory
AMBARI-6219	BUG-18594	Performance Issues When Parsing structurec
AMBARI-6220	BUG-18827	Step 7. Create config group popup freeze U
AMBARI-6221	BUG-18854	Ambari Server reset show wrong commands
AMBARI-6222	BUG-19249	Move Wizard (step 2). Invalid hosts-list for m
AMBARI-6223	BUG-19232	After Ambari upgraded to 1.6.1, Hive, Oozie
AMBARI-6224	BUG-19210	Newly Created Admin User in Ambari loses A
AMBARI-6226	BUG-19175	Ambari-agent start command fails.
AMBARI-6227	BUG-18527	Hcatalog service check failed on start all serv
AMBARI-6228	BUG-19227	Host checks 'Show Report' link is missing from
AMBARI-6229	BUG-19240	After enabling security on cluster with Open
AMBARI-6230	BUG-19242	Views: updates after POST to create cause e
AMBARI-6232	BUG-19243	Views: default icon missing and no pointer
AMBARI-6233, AMBARI-6274	BUG-17959	During upgrade to HDP 2.1 from 2.0 with NI site configurations)
AMBARI-6234	BUG-19185	Security issue - private key password show in
AMBARI-6235	BUG-19123	Call to save configs and config groups shoul
AMBARI-6236	BUG-19167	Hosts page: there is no indication that filteri
AMBARI-6240	BUG-19302	Selected main menu option is not highlighte
AMBARI-6241	BUG-18973	500 Server Error during saving config group
AMBARI-6242	BUG-19305	Error during ambari-server upgradestack cor
AMBARI-6243	BUG-19176	Alerts for 'Percent <components> live' hang
AMBARI-6244	BUG-19257	Restart icon is present after Service Actions->
AMBARI-6245	BUG-18690	Ambari-server log is full of ServiceComponen
AMBARI-6246	BUG-19315	Failed to start Supervisor and Nagios after u

AMBARI-6247	BUG-19313	Add host stops all services
AMBARI-6248	BUG-19228	hostname resolution failure should also include
AMBARI-6251	BUG-19263	Even after saving configs, the UI asks to save
AMBARI-6252	BUG-18788	Service Configs page loads too slow on 2k node
AMBARI-6257	BUG-19373	Ganglia is not coming up on SUSE after cluster
AMBARI-6258	BUG-19377	Ambari server upgrade fails if oozie, hive or
AMBARI-6259	BUG-19404	After upgrade from 1.6.0 to 1.6.1 with 1.3 st
AMBARI-6260	BUG-19256	Heatmaps is not usable on 2K-node cluster
AMBARI-6261	BUG-19403	Agent reg failed with timeout but didn't error
AMBARI-6263	BUG-19223	API call to /hosts to get information about 1
AMBARI-6264	BUG-19412	Cannot enter multi-line custom properties
AMBARI-6265	BUG-19399	Have spinners instead of charts at Dashboard
AMBARI-6267	BUG-19435	Add Services fails with a server error under s
AMBARI-6268	BUG-18826	Step 6 pagination is slow (sometimes)
AMBARI-6272	BUG-19405	Add Service wizard shouldn't show Save Con
AMBARI-6273	BUG-19441	Manage Config Groups: if Ganglia is not inst
AMBARI-6278	BUG-19477	Ambari web does not save empty value prop
AMBARI-6279	BUG-19440	Single component link on Service page redir
AMBARI-6282	BUG-19450	Incorrect hosts count for custom config grou
AMBARI-6283	BUG-19446	Cannot edit custom props after creating hos
AMBARI-6284	BUG-19158	NameNode HA and Security wizard: Empty l
AMBARI-6285	BUG-19454	Heatmaps page doesn't show hosts if Gangli
AMBARI-6288	BUG-19510	Ambari-server may kill INIT and SSHD proces
AMBARI-6289	BUG-19509	Unable to manage config groups in Add Ser
AMBARI-6290	BUG-19491	Hosts page paging: visiting Host Detail page
AMBARI-6291	BUG-18752	Hive Metastore scripts on Oracle for Ambari
AMBARI-6295	BUG-19224	UI freezes for more than 2 seconds, every 15
AMBARI-6296	BUG-19069	Components list on 'Host details page' conta
AMBARI-6297	BUG-19453	Upgrade: Ganglia Monitor goes to stopped
AMBARI-6300	BUG-19540	Configurations UI takes 1.5minutes to load c
AMBARI-6301	BUG-19532	Hosts page: RAM filter does not work for ex
AMBARI-6304	BUG-19547	Config page / Service Nav: restart indicator
AMBARI-6305	BUG-19543	"Quick Links" are unusably slow (takes more
AMBARI-6306	BUG-19551	API: filtering operations are slow (more than
AMBARI-6308	BUG-19550	API: filtering by hostname does not work pr
AMBARI-6309	BUG-19561	Service Config page: Upon clicking Save, the
		user can click it again and again and it saves
AMBARI-6310	BUG-19571	Config Save UX is confusing
AMBARI-6311	BUG-19555	Bulk Ops only targets a maximum of "page s
AMBARI-6312	BUG-19549	Hosts page: paging behaves randomly
AMBARI-6314	BUG-19482	UI: Assign Slaves and Clients page shows hid
AMBARI-6315	BUG-19612	ATS failed to start
AMBARI-6317	BUG-19618	Hosts page filter by components does not w
AMBARI-6320	BUG-19585	Nagios failed to start on stack upgraded clus
AMBARI-6322	BUG-19647	Choosing bulk hosts to decommission on 12
AMBARI-6325	BUG-19609	HA Wizard: can't initialize JournalNodes
AMBARI-6326	BUG-19613	Clicking on a single component link goes to

AMBARI-6327	BUG-19640	Rolling Restart: 'only start stale' checkbox no
AMBARI-6328	BUG-19657	Add Service wizard: ATS should not be added
AMBARI-6330	BUG-19629	Put host in maint. mode, doesn't filter
AMBARI-6331	BUG-19541	After clicking around different services, the 2k-node cluster)
AMBARI-6332	BUG-19556	Bulk Decommission: Background Operation
AMBARI-6333	BUG-19545	Cluster aggregate metric charts do not show
AMBARI-6334	BUG-19558	"Manage Configuration Groups" popup take
AMBARI-6335	BUG-19584	Add service wizard removes any new proper
AMBARI-6336	BUG-19622	Put two datanodes in host config group, cha
AMBARI-6337	BUG-19694	Hosts page. Incorrect total number of hosts
AMBARI-6338	BUG-19615	'YARN Memory Used %' heatmap shows n/a
AMBARI-6339	BUG-19646	Hive client download problems (reported in
AMBARI-6340	BUG-19619	Filtering by selected hosts resets pagination
AMBARI-6341	BUG-19663	Ambari creates a mysterious file /root/&1 (d
AMBARI-6342	BUG-19648	On a bulk restart of Datanodes (rolling) on t
AMBARI-6345	BUG-19632	Active host table column CSS cleanup
AMBARI-6348	BUG-19621	Switching to host config group should spin s
AMBARI-6349	BUG-19684	After changing property and clicking save bu
AMBARI-6350	BUG-19635	Unable to restart all host-components on 11
AMBARI-6352	BUG-19560	Configuration Group host selection popup: f
AMBARI-6353	BUG-19658	Hosts page: filtering by hostname sometime
AMBARI-6355	BUG-19620	Cause host page hang with range filter
AMBARI-6357	BUG-19630	Deleted host can not be added properly aga
AMBARI-6358	BUG-19686	HBase service page shows alerts of 'HBase M
AMBARI-6359	BUG-19660	Hosts page : mysterious "selected hosts" kee
AMBARI-6360	BUG-19750	Incorrect pagination info
AMBARI-6362	BUG-19552	Strange Config page shown after clicking ar
AMBARI-6367	BUG-19729	Host Progress popup has layout issues
AMBARI-6369	BUG-19701	Hostname wrapping on assign slaves
AMBARI-6372	BUG-19792	Nagios install fails if hbase service is unavaila
AMBARI-6374	BUG-19771	Clicking to switch to config group leaves too
AMBARI-6375	BUG-19756	Maintenance mode: canNOT be turned on v
AMBARI-6376	BUG-19767	Excessive requests are sending on hosts page
AMBARI-6377	BUG-19666	If multiple HBase Masters are added, these h
AMBARI-6378	BUG-19791	Spinner permanently displayed in Host Metr
AMBARI-6379	BUG-19727	In Host Detailed Page, decommissioned NM
AMBARI-6380	BUG-19708	Provide API support for sending POST requ
AMBARI-6381	BUG-19710	Make appropriate changes for GET requests
AMBARI-6382	BUG-19770	Cannot select hosts across pages
AMBARI-6384	BUG-19808	Ambari UI does not load after server starting
AMBARI-6385	BUG-19802	stale_configs parameter works incorrectly af
AMBARI-6386	BUG-19795	Installer Step3 Hosts Warnings loading issue
AMBARI-6387	BUG-19810	Selected Hosts submenu of Actions dropdov
AMBARI-6388	BUG-19801	When adding services to stack-upgraded clu
AMBARI-6391	BUG-19813	Clear selection on host page does not remov

1.2. Patch Information

Ambari 1.6.1 is based on Apache Ambari 1.6.1 and does not require any additional Apache patches to match the Apache code base. Hortonworks' philosophy is to provide patches only when absolutely necessary to assure the interoperability of the components. Unless you are explicitly directed by Hortonworks Support to take a patch update, Ambari 1.6.1 needs to remain at this package version level to ensure a certified and supported copy of Ambari 1.6.1.

1.3. Behavioral Changes

- **AMBARI-6015: Blueprint Topology Validation**

As of Ambari 1.6.1, when creating a blueprint, the cluster topology will be validated against the information provided in the Ambari Stack definition. This validation is performed by default. See [Improvements](#) for more information on this change.

- **AMBARI-6012: ATS start fails due to ClassNotFoundException**

The Application Timeline Server (ATS) component of YARN configuration property changed with the HDP 2.1.3 release. **If you install a patch release of HDP with Ambari 1.6.1, you must change the following YARN configuration property:**

During the Customize Services step of the Cluster Install Wizard, or after cluster install, browse to **Ambari Web > Services > YARN Configs** and make the following modification:

If you install and use HDP 2.1.2 or 2.1.1:

```
yarn.timeline-service.store-class=org.apache.hadoop.yarn.server.  
applicationhistoryservice.timeline.LeveldbTimelineStore
```

If you install and use HDP 2.1.3:

```
yarn.timeline-service.store-class=org.apache.hadoop.yarn.server.timeline.  
LeveldbTimelineStore
```

Running Ambari 1.6.1 and HDP 2.1.2 **without** changing this configuration causes ATS start to fail with the following error message:

```
Fail: Execution of 'ls /var/run/hadoop-yarn/yarn/yarn-yarn-historyserver.  
pid>/dev/null 2>&1 && ps 'cat /var/run/hadoop-yarn/yarn/yarn-yarn-  
historyserver.pid'>/dev/null 2>&1' returned 1.
```

- **AMBARI-5715: Ability to edit repository Base URLs via Ambari Web**

As of Ambari 1.6.1, the repository Base URLs are available to manage from the Ambari Web interface. After logging into Ambari Web, browse to **Admin > Cluster** to review/edit the Base URLs for the HDP Stack repositories.

- **AMBARI-5459: HDP-UTILS repository is no longer in ambari.repo**

As of Ambari 1.6.1, the HDP-UTILS repository is no longer defined in the ambari.repo file. Instead, this repository is managed as part of the HDP Stack, along with the HDP repository.

After upgrading the Ambari 1.6.1, please review the repository Base URLs from Ambari Web and confirm HDP-UTILS is set correctly for your environment.

For more information about working with HDP repository paths, see [Managing Stack Repositories](#).

1.4. Improvements

This release of Ambari 1.6.1 includes the following new features and improvements:

Feature	Description
Blueprint Topology Validation	When using Ambari Blueprints, component topology is validated based on dependency and cardinality information provided in the associated Ambari Stack definition. In addition to validation, some components (mostly clients) are auto-deployed if not present in the topology, which is specified in the corresponding Stack definition as well. Topology validation is performed by default during blueprint creation. To create a blueprint that does not validate, a user can disable topology validation in the URL via '?validate_topology=false'.
Host Check - Custom JDK Path	During host registration (either during cluster install or add hosts), if using a Custom JDK Path, Ambari will check that the path exists on the host.
Host Check - Hostname Resolution	During host registration (either during cluster install or add hosts), Ambari will check that on each host, the other hosts in the cluster are resolvable.
Host Check - Hostname Reverse Lookup	During host registration (either during cluster install or add hosts), Ambari will check that host reverse lookup can be performed correctly.
Test External Database Connections	Ability to perform "test database connection" when using an external database for Hive Metastore or Oozie.
Simplified External Database JDBC Driver Setup	If you plan to use an external database for Hive Metastore or Oozie, during Ambari Server setup, provide the JDBC driver. Ambari can then copy the driver to the appropriate host during cluster install. Learn more about JDBC Driver Setup here . Learn more about using an external database for Hive here , and for Oozie here .
Manage Stack Repositories from Ambari Web	Ability to manage Stack repository Base URLs from the Ambari Web. Learn more here .

1.5. Known Issues

In this section:

- Ambari does not support running or installing stacks on Ubuntu.
- The component version information displayed by Ambari is based on the Ambari Stack definition. If you have applied patches to the Stack and to your software repository, that component version might differ from the actual version installed. There is no functional impact on Ambari if the patch versions mismatch. If you have any questions on component versions, refer to the rpm version installed on the actual host.
- **BUG-24234:** Unable to start/stop services when using Oracle database for Ambari.

Problem: If you are using Oracle for the Ambari DB, you can run into a scenario when performing a start all/stop all where Ambari becomes unresponsive and the following ORA error is printed to the ambari-server log:

```
08:54:51,320 ERROR [qtp1280560314-2070] ReadHandler:84 - Caught a runtime
exception executing a query
Local Exception Stack:
Exception [EclipseLink-4002] (Eclipse Persistence Services - 2.4.0.
v20120608-r11652): org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLSyntaxErrorException: ORA-01795: maximum
number of expressions in a list is 1000
```

Workaround: Please upgrade to Ambari 1.6.1 and contact Hortonworks Support for a patch to apply.

- **BUG-21182:** After upgrading to Ambari 1.6.1, Agent machines can no longer connect to Server with Two-Way SSL enabled.

Problem: If you have enabled two-way SSL for Server-Agent communication, after upgrading to Ambari 1.6.1, you might encounter the following failure: Agents fail to re-connect to the Server due to a certification error. This can happen if you change the JDK by re-running ambari-server setup with the custom JDK path option, which causes the certificates to be invalidated on the Server. In this case, the Server no longer accepts the Agent certificates.

Workaround: You can disable two-way SSL, or you can delete the certificates on the Agent machines and restart.

- **BUG-20651:** [AMBARI-6702](#). RPM repository gets corrupted periodically on machines running Ambari Agents.

Problem: On hosts that are being managed by Ambari, the Ambari Agents are monitoring the yum repository for packages. In certain scenarios, the yum repository gets corrupted and the yum command fails. You will notice an ERROR message in the /var/log/ambari-agent/ambari-agent.log file indicating that agent PackagesAnalyzer failed. If you attempt to run an rpm or yum command on this host, they will also fail, which affects the ability of Ambari to start components on the host.

```
ERROR 2014-04-24 05:33:22,669 PackagesAnalyzer.py:43 - Task timed out and
will be killed
...
ERROR: cannot open Packages database in /var/lib/rpm
```

Workaround: You need to repair the yum repository. Run the following on the affected host:

```
rm /var/lib/rpm/___db*
yum -vv --rebuilddb
```

- **BUG-20453:** Problem starting Oozie when using external PostgreSQL with HDP 2.0 Stack.

Problem: If you use Ambari 1.6.1 to install the HDP 2.0 Stack and the Oozie Service with an external PostgreSQL database, Oozie will fail to start with the following error:

```
Fail: Execution of '/usr/jdk64/jdk1.7.0_45/bin/java -cp /usr/lib/ambari-agent/DBConnectionVerification.jar:/usr/lib/oozie/libserver/postgresql-9.0-801.jdbc4.jar org.apache.ambari.server.DBConnectionVerification jdbc:postgresql://172.18.145.25:5432/ooziedb oozieuser [PROTECTED] org.postgresql.Driver' returned 1. ERROR: Unable to connect to the DB. Please check DB connection properties.
java.lang.ClassNotFoundException: org.postgresql.Driver
```

Workaround: You must download a PostgreSQL JDBC JAR file and make it available to Ambari and Oozie, as follows:

1. Download postgresql-9.0-802.jdbc4.jar from <http://jdbc.postgresql.org/download.html>
 2. Rename postgresql-9.0-802.jdbc4.jar to postgresql-9.0-801.jdbc4.jar
 3. Create a required directory on the Oozie server host: `mkdir -p /usr/lib/oozie/libserver/`
 4. Copy postgresql-9.0-801.jdbc4.jar to newly created dir: `cp /path/to/jdbc/postgresql-9.0-801.jdbc4.jar /usr/lib/oozie/libserver/`
 5. Copy postgresql-9.0-801.jdbc4.jar to libext: `cp /path/to/jdbc/postgresql-9.0-801.jdbc4.jar /usr/lib/oozie/libext/`
- **BUG-20068:** Error adding Storm on Kerberos-enabled cluster after upgrade.

Problem: After upgrading to Ambari 1.6.0 or 1.6.1 and upgrading from HDP 2.0 to 2.1 Stack, in a Kerberos-enabled cluster, you may have issues when starting Storm with the following error:

```
Fail: Configuration parameter 'storm_principal_name' was not found in configurations dictionary!
```

Workaround: After adding Storm, run the following commands on the Ambari Server to fix this issue:

```
cd /var/lib/ambari-server/resources/scripts/
./configs.sh -u admin -p <password> set localhost <clustername> global storm_principal_name <storm_principal_name>
./configs.sh -u admin -p <password> set localhost <clustername> global storm_keytab /etc/security/keytabs/storm.service.keytab
# When adding Falcon
./configs.sh -u admin -p <password> set localhost <clustername> global hdfs_user_keytab /etc/security/keytabs/hdfs.headless.keytab
```

- **BUG-20060:** Host registration fails during Agent bootstrap on SLES due to timeout.

Problem: When using SLES and performing host registration using SSH, there are scenarios where Agent bootstrap fails due to timeout when running the `setupAgent.py` script. On the host with the timeout, you will see the following process hanging:

```
c6401.ambari.apache.org:/etc/ # ps -ef | grep zypper
root      18318 18317  5 03:15 pts/1    00:00:00 zypper -q search -s --match-exact ambari-agent
```

Workaround: It is possible you have a repository registered that is prompting to accept keys, which needs user interaction (hence the hang and timeout). You should run "zypper refresh" and confirm all repository keys are accepted for the zypper command to work without user interaction. Another alternative is to perform manual Agent setup and not use SSH for host registration. This option does not require that Ambari call zypper without user interaction.

- **BUG-20035:** Enabling NameNode HA wizard fails on the "Initialize JournalNode" step.

Problem: After upgrading to Ambari 1.6.1 and attempting to enable NameNode HA in a HDP 2.x Stack-based cluster, the HA wizard fails to complete with an error during the "Initialize JournalNode" step. This failure situation can also occur if your cluster was created using a Blueprint.

Workaround: Using the Ambari REST API, you need to create JournalNode and ZKFC service components. This API can also be called prior to launching the NameNode HA wizard to avoid the wizard failing.

```
curl --user admin:admin -H "X-Requested-By: ambari" -i -X POST -d
'{"components": [{"ServiceComponentInfo": {"component_name": "JOURNALNODE"}},
{"ServiceComponentInfo": {"component_name": "ZKFC"}}]}'
http://ambari.server:8080/api/v1/clusters/c1/services?ServiceInfo/
service_name=HDFS
```

Replace `ambari.server` and `c1` with your Ambari Server hostname and cluster name, respectively.

- **BUG-20031:** Ganglia Monitors display no data after upgrading Ambari to version 1.6.1.

Problem: Due to an ownership change of local pid files while upgrading Ambari to 1.6.1, you may see some of the Ganglia Monitors as down. Re-starting monitors from the Ambari UI appears to succeed, but monitors will not restart successfully.

Workaround: On each host where ganglia gmond is not running - run the following command as root:

```
rm /var/run/ganglia/hdp/*.pid
```

This command deletes the old pid files that have different ownership. After deleting these files, start the gmond processes, using the Ambari Web UI.

- **BUG-19973:** Background Operations pop-up window does not appear.

Problem: In rare cases, the Background Operations pop-up window does not automatically appear after triggering an operation such as Service start/stop. This behavior may happen even if the user preference setting "Do not show the Background Operations dialog when starting an operation" is turned off.

Workaround: To see the Background Operations status, click on the cluster name in the top menu navigation bar.

- **BUG-19934:** Restart All is slow for 2,000 node cluster.

Problem: After selecting "Restart All" from the **Services Action** menu, the UI could take over a minute to respond in a 2,000 node cluster as Ambari queues all the DataNode component restarts.

Workaround: To avoid this delay, use "Restart DataNodes" to perform a rolling restart of the DataNodes with manageable batch size.

- **BUG-19704:** [AMBARI-5748](#) Cluster install fails with groupmod error.

Problem: The cluster fails to install with an error related to running "groupmod". This can occur in environments where groups are managed in LDAP, and not on local Linux machines.

```
Fail: Execution of 'groupmod hadoop' returned 10. groupmod: group 'hadoop' does not exist in /etc/group
```

Workaround: During the cluster install, on the Customize Services step for the Install Wizard, select the Misc tab and check the "Skip group modifications during install" option.

- **BUG-19529:** Problem renaming Host Config Group.

Problem: Under certain circumstances, when attempting to rename a Host Config Group, after clicking OK in the dialog, the UI produces a JavaScript error. Clicking OK a second time saves the Host Config Group name change but UI will show the name change against the default Host Config Group, although the name change is made and saved correctly..

Workaround: Refresh the page for the correct Host Config Group names to be displayed.

- **BUG-19433:** Problem starting NodeManager on newly added hosts.

Problem: After adding new hosts to a cluster, and only assigning NodeManager slave component to the host (i.e. no DataNode or Clients component), the NodeManager will fail to start on the hosts with the following error:

```
Fail: Execution of 'hadoop fs -mkdir `rpm -q hadoop | grep -q "hadoop-1" || echo "-p" /app-logs /mapred /mapred/system /mr-history/tmp /mr-history/done && hadoop fs -chmod -R 777 /app-logs && hadoop fs -chmod 777 /mr-history/tmp && hadoop fs -chmod 1777 /mr-history/done && hadoop fs -chown mapred /mapred && hadoop fs -chown hdfs /mapred/system && hadoop fs -chown yarn:hadoop /app-logs && hadoop fs -chown mapred:hadoop /mr-history/tmp /mr-history/done' returned 1. mkdir: No FileSystem for scheme: hdfs
```

Workaround: Add the Clients to the host, using the +Add button on the Ambari Web > Hosts page.

- **BUG-18896:** Services checks run, using "Start All" when all hosts are in maintenance mode.

Problem: When all hosts are in maintenance mode (and all services are stopped), if you perform a Start All Services command, service checks are still performed. The services checks will fail since all services are stopped.

Workaround: The failing service checks are benign since all services are stopped.

- **BUG-18520: [AMBARI-6061](#)** For large clusters (2,000 nodes), increase Ambari Server max heap size.

Problem: When installing a large cluster (2,000 nodes) with Ambari, Ambari server will exit with an OutOfMemoryError during the Host Checks step in the Cluster Install Wizard.

Workaround: Increase the Ambari Server max heap size to 4096m, using the following steps:

1. On the Ambari Server, edit `/var/lib/ambari-server/ambari-env.sh`.
 2. Adjust the `AMBARI_JVM_ARGS` variable, increase the value of `-Xmx2048m` to `-Xmx4096m`.
 3. Start the Ambari Server, as usual.
- **BUG-17511: [AMBARI-5883](#):** Ambari installs but does not deploy additional .jar files in `oozie.war` to support HDP-1 oozie-hive workflows.

Problem: Manual configuration required to deploy additional .jar files, post-install.

Workaround: After installing or upgrading to Ambari 1.6.1, use Ambari Web > Services > Config to add the following property to the `oozie-site.xml` configuration:

```
<property>
<name>oozie.credentials.credentialclasses</name>
<value>hcat-org.apache.oozie.action.hadoop.HCatCredentials</value>
</property>
```

- **BUG-16556: [AMBARI-5435](#):** "Connection refused" errors in the YARN application logs. Timeline service is not started, but `yarn-site.xml` has the timeline-related configuration enabled.

Problem: ATS is turned off in secure clusters installed by Ambari but in the `yarn-site.xml`, the ATS config is set to true. As a result, there are "Connection refused" errors in the YARN application logs.

Workaround: In Ambari Web, browse to **Services > YARN > Configs**. In the `yarn-site.xml` section, set the following property to false:

```
<property>
  <name>yarn.timeline-service.enabled</name>
  <value>>false</value>
</property>
```

- **BUG-16534:** Quick links to Oozie Web UI and Falcon Web UI do not work after reconfiguring port for `oozie.base.url`.

Description: This occurs because the Oozie HTTP port (11000) and Admin port (11001) cannot be changed via Ambari. Oozie uses 11001 as the default Admin port.

Workaround: Reset the Oozie HTTP port and Admin port to 11000 and 11001, respectively.

- **BUG-13062:** Upgrade from Ambari 1.4.1 to Ambari 1.6.1 server start fails on CentOS 5.

Problem: After upgrading Ambari from 1.4.1 to Ambari 1.6.1, on CentOS 5, ambari-server start will fail to the first time.

Workaround: Execute the ambari-server start command a second time.

- **BUG-7442:** Must set `hadoop.http.filter.initializers` for SPNEGO access.

Problem: After enabling Kerberos security, you must set the `hadoop.http.filter.initializers` property in HDFS core-site.xml to enable SPNEGO access.

Workaround: To enable SPNEGO access to a secure cluster, do the following steps:

1. In Ambari Web, browse to **Services > HDFS > Configs**.
2. Add the following property to Custom core.xml section:

Property	Value
<code>hadoop.http.filter.initializers</code>	<code>org.apache.hadoop.security.AuthenticationFilterInitializer</code>

- **BUG-17511:** [AMBARI-6012](#) WebHCat jobs do not run after upgrading HDP 1.3 to HDP 2.1.

Problem: Upgrading stack does not ensure that required jar files move to oozie host.

Workaround: To get all webchat and hive jars for HDP 1.3, add the HIVE_CLIENT and HCAT_CLIENT on the Oozie Server via APIs.

- [AMBARI-4825](#): ATS component of YARN fails to start.

Problem: When installing the patch release of HDP 2.1.2 or HDP 2.1.3, the Application Timeline Server (ATS) component of YARN fails to start with the following error:

```
Fail: Execution of 'ls /var/run/hadoop-yarn/yarn/yarn-yarn-historyserver.pid>/dev/null 2>&1 && ps 'cat /var/run/hadoop-yarn/yarn/yarn-yarn-historyserver.pid'>/dev/null 2>&1' returned 1.
```

Workaround: You must change the following YARN configuration property, during the Customize Services step of the Cluster Install Wizard, or after cluster install, browse to Ambari Web > Services > YARN Configs.

If you install and use HDP 2.1.2 or 2.1.1, use the following configuration:

```
yarn.timeline-service.store-class=org.apache.hadoop.yarn.server.applicationhistoryservice.timeline.LevelDbTimelineStore
```

If you install and use HDP 2.1.3, use the following configuration:

```
yarn.timeline-service.store-class=org.apache.hadoop.yarn.server.timeline.  
LevelDbTimelineStore
```

2. Release Notes Ambari-1.6.0

RELEASE NOTES: Apache Ambari 1.6.0

In this document:

- [What's Changed in Ambari-1.6.0](#)
- [Patch Information](#)
- [Improvements](#)
- [Known Issues](#)

2.1. What's Changed in Ambari-1.6.0

The following changes were made in Ambari-1.6.0:

Apache JIRA	Support Tracking	Summary
AMBARI-5818	BUG-17797	Decommission of RegionServer failed
AMBARI-5814	BUG-17989	Ambari set the value of hive.tez.container.size too high in hive-site.xml
AMBARI-5807	BUG-17943	MapReduce Service Check fails
AMBARI-5804	BUG-17925	ATS start failed with custom usernames
AMBARI-5796	BUG-17924	Install of services failed (Blueprint; HDP 1.3)
AMBARI-5793	BUG-17847	When posting blueprint with Nagios and Oozie password configs are not validated
AMBARI-5779	BUG-17825	Recommission a DN fails when https is enabled in Ambari server
AMBARI-5778	BUG-17641	In some upgrade scenarios, Ambari Web's persist key-value store state causes the UI to
AMBARI-5776	BUG-17891	ambari-server log has lots of ERROR jmx
AMBARI-5773	BUG-17791	Hive check log causing TTransportException errors
AMBARI-5767	BUG-16629	Blueprint delete is broken
AMBARI-5765	BUG-17828	Views: Files + Pig need to remove default instances from view.xml
AMBARI-5764	BUG-13405	API Docs : Views
AMBARI-5753	BUG-17823	Storm fails to start after disabling security
AMBARI-5752	BUG-17800	Cluster tab should not show debian repo URL
AMBARI-5744	BUG-17674	HADOOP_HOME is not set in hadoop-env.sh
AMBARI-5742	BUG-17535	View: Files support for optional username view parameter
AMBARI-5736	BUG-17670	View: Pig bug fixes and UI cleanup, Part 2
AMBARI-5735	BUG-17737	HDP deployment failed in CentOS5
AMBARI-5730	BUG-17193	Space Error in container-executor.cfg
AMBARI-5729	BUG-17694	Decommission issues in secure cluster
AMBARI-5727	BUG-17706	View: Files fontawesome not loading
AMBARI-5726	BUG-17420	Adding Oozie failed at service check
AMBARI-5725	BUG-17637	hive-schema-0.10.0 and 0.12.0.postgres.sql missing
AMBARI-5724	BUG-17602	View: Pig bug fixes and UI cleanup, Part 1
AMBARI-5723	BUG-17712	IllegalStateException when provisioning cluster via blueprint during password validation
AMBARI-5722	BUG-17704	All Services Fail To Deploy Due To Agent Parsing Exception
AMBARI-5719	BUG-17515	View: Files should not hard code REST API with view name + instance name
AMBARI-5718	BUG-17592	View: Pig should not hard code REST API with view name + instance name
AMBARI-5717	BUG-17698	Installer: repo URLs are not saved after customization if "skip" option is chosen

AMBARI-5716	BUG-17672	Disable Security: Client install tasks fail for start all services request
AMBARI-5714	BUG-17650	Views list not loading in Ambari Web
AMBARI-5713	BUG-17500	Add Service wizard: Hive Server fails to start
AMBARI-5711	BUG-17082	'Background operations' window displayed after attempt to switch HBase RegionServer
AMBARI-5710	BUG-17571	WebHCat (WebHCat Server) start failed
AMBARI-5708	BUG-17384	Stacks API: GET call on StackServices resource fails
AMBARI-5706	BUG-17598	Provide basic validation for cluster create via a blueprint
AMBARI-5705	BUG-17691	Error while installing JDK on agent
AMBARI-5705	BUG-17461	Fail to install hive client with error: Fail: Execution of '/bin/sh -c 'cd /usr/lib/ambari-agent/bin; java -jar /usr/lib/ambari-agent/bin/DBConnectionVerification.jar"' returned 22
AMBARI-5704	BUG-17451	Pig View Cleanup
AMBARI-5702	BUG-17437	Ability to work on a view as "exploded" to support UI dev
AMBARI-5697	BUG-17299	When restart hive service from Ambari Web UI, it fails with the error: cat: /var/run/hive/hive.pid: No such file or directory
AMBARI-5690	BUG-17127	Allow universal password to be specified when provisioning via a blueprint
AMBARI-5687	BUG-17504	Cluster gateway is overloaded and works very slow
AMBARI-5684	BUG-16965	Provide /etc dir in a Service definition for Service-specific files
AMBARI-5681	BUG-16342	Add Nagios alert if HDFS last checkpoint time exceeds threshold
AMBARI-5678	BUG-17457	Going back from review causes configs alerts
AMBARI-5677	BUG-17438	Ability to handle name + version views and view instances
AMBARI-5674	BUG-17325	Supervisor goes into stopped state after deploying cluster from blueprint
AMBARI-5672	BUG-17182	Unnecessary 'Base URL' field on SelectStackPage 1.6.0
AMBARI-5670	BUG-17507	Ambari Storm uses wrong storm_jass.conf location
AMBARI-5669	BUG-17456	Alternatives issues has error message (missing translation)
AMBARI-5664	BUG-17261	host details page top margin too big
AMBARI-5662	BUG-17330	change heartbeat lost text
AMBARI-5661	BUG-17337	YARN and MR2 failed to start after upgrade
AMBARI-5658	BUG-17311	Ambari does not link to the new HTML NameNode UI
AMBARI-5657	BUG-17300	Ambari layout issues on IE 9
AMBARI-5656	BUG-17411	Views: do not let the user click on the Views icon in the top nav when no views, show "No Views"
AMBARI-5655	BUG-17260	
AMBARI-5654	BUG-17401	Kill border that is showing up around Views panel
AMBARI-5653	BUG-17380	upgradestack only handles specific OSs
AMBARI-5652	BUG-17291	Quick Links does not work if both NameNodes are in Standby
AMBARI-5650	BUG-17227	postgres-CREATE DDL should only prepare schemas if possible
AMBARI-5649	BUG-17469	Ambari setup with MySQL as AmbariDB fails
AMBARI-5649	BUG-17468	Ambari setup with OracleDB on external host fails
AMBARI-5649	BUG-17348	Add postgres external as separate option in ambari-server.py
AMBARI-5647	BUG-17341	On empty jobs page, new queries are not showing up
AMBARI-5646	BUG-17347	Jobs don't show up as links for a moment when page is visited
AMBARI-5645	BUG-17700	(Apache) AMBARI-5645 Oozie Service Check fails intermittently
AMBARI-5644	BUG-17329	postgres option should not expect psql client is available
AMBARI-5643	BUG-17367	Add Services is disabled after upgrading the stack from 2.0 to 2.1
AMBARI-5642	BUG-17364	Ambari Views : NPE deploying view
AMBARI-5636	BUG-17339	Unit test and refactoring for controllers/main/service/info/config.js part 1
AMBARI-5634	BUG-16437	Some components of Storm were not started after added of Nagios and Ganglia
AMBARI-5633	BUG-16845	Start Services command gets stuck for about 30 mins
AMBARI-5625	BUG-17282	ambari-server setup does not allow to specify existing Postgres db through command

AMBARI-5623	BUG-16766	GET request on cluster resource gives psql exception
AMBARI-5617	BUG-16921	Apache Code Submission for Ambari Files View
AMBARI-5616	BUG-16920	Apache Code Submission for Ambari Pig View
AMBARI-5615	BUG-17212	Start of services fails if installing only HDFS+ZK
AMBARI-5614	BUG-16791	Unit tests for steps 8
AMBARI-5612	BUG-17273	Unit tests for object_utils, date, ui_effects, updater
AMBARI-5611	BUG-17176	Datanode and other components fail to start without YARN installed
AMBARI-5609	BUG-17229	UI unit tests for admin and alerts controllers
AMBARI-5607 , AMBARI-5645	BUG-17514	Teradata request include AMBARI-5607 and AMBARI-5645 in 1.6.0
AMBARI-5607	BUG-17574	Yarn Nodemanager Metrics only update every few minutes
AMBARI-5604	BUG-17226	Postgres should be option 4 in setup, not 2
AMBARI-5603	BUG-17183	Ambari version is unknown during installer via UI
AMBARI-5599	BUG-17241	Switching between existing configs is not working in API
AMBARI-5598	BUG-16897	Security wizard: Host progress in the pop-up does not update
AMBARI-5597	BUG-16627	host group field name is not consistent across BP and cluster create body
AMBARI-5587	BUG-16903	UI unit tests for host controllers
AMBARI-5586	BUG-17068	Strange behaviour of progress bar after successful login
AMBARI-5581	BUG-17155	create HDP 1.3 stack
AMBARI-5578	BUG-17126	Rename stacks endpoints stackServices and serviceComponents
AMBARI-5577	BUG-17092	Turn Off Maintenance Mode for HDFS does not work (problems with ambari-agent)
AMBARI-5575	BUG-16792	Unit tests for steps 9 (with refactor)
AMBARI-5574	BUG-17026	Need some logging when JSON parsing throws an error
AMBARI-5573	BUG-17170	UI does not redirect on 'Dashboard' page after login
AMBARI-5572	BUG-17040	Hive Metastore start command fails if hive client is not co-hosted with hive metastore
AMBARI-5571	BUG-17080	Restart option is enabled for components in 'Decommissioned' state but it should not
AMBARI-5570	BUG-17120	MySQL Server install failed during deployment, suse11
AMBARI-5569	BUG-17169	Fix UI Unit tests
AMBARI-5568	BUG-17042	Security wizard freezes at last step
AMBARI-5565	BUG-16984	New dashboard UI tweaks
AMBARI-5564 , AMBARI-5622 , AMBARI-5815	BUG-17133	'Upgrading schema' failed during upgrading to 1.6.0
AMBARI-5558	BUG-17028	Navigating back from Host page to Heatmaps page is broken
AMBARI-5555	BUG-17117	NameNode HA wizard: Review page appears blank
AMBARI-5553	BUG-12276	Update /stacks endpoint to expose cardinality and dependency information
AMBARI-5551	BUG-17070	Add Host: checkbox "client" without upper case letter
AMBARI-5549	BUG-16427	Add Existing Postgres 9.x Database option for Ambari db
AMBARI-5547	BUG-16907	Exclude /boot from the mount points to use for suggesting directories
AMBARI-5543	BUG-16789	Unit tests for steps 6
AMBARI-5541	BUG-17062	JS error upon revisiting Install, Start and Test page
AMBARI-5540	BUG-17073	Add unit tests and refactor controllers/main/service/item.js
AMBARI-5538	BUG-16625	Nagios stale_config isn't set if nagios_web_password or nagios_contactc changed
AMBARI-5536	BUG-17058	Confirm Hosts page UI layout issues
AMBARI-5534	BUG-16995	Experimental control not working on new top-nav
AMBARI-5532	BUG-17022	Bootstrap fails on Ubuntu
AMBARI-5531	BUG-16955	Switch SQL standard authorization to be off by default
AMBARI-5529	BUG-16982	Hive + Oozie postgres option should say PostgreSQL
AMBARI-5528	BUG-17018	UI unit tests and refactoring for controller of Add Host wizard

AMBARI-5527	BUG-16558	Add ssl option to configs.sh
AMBARI-5526	BUG-16261	Filter on Customize services page works incorrectly
AMBARI-5524	BUG-17013	Unit tests for number_utils, string_utils, validator and misc files
AMBARI-5523	BUG-17017	Jobs controller not critical js error when "No jobs to display"
AMBARI-5522	BUG-17014	Jobs table is rendered incorrectly when there are no jobs available
AMBARI-5520	BUG-17015	Fix UI Unit tests
AMBARI-5516	BUG-15672	Change web version mismatch wording to make the refresh op more clear
AMBARI-5515	BUG-16744	Not all HIVE default configuration values are provided in stack definition
AMBARI-5514	BUG-16937	Flatten Ambari UI including box, dropdown. etc
AMBARI-5512	BUG-16855	Move wizard and HA wizard gets stuck on any deploy step
AMBARI-5511	BUG-16713	Misleading hard coded command in paragraph 2 on step "Manual commands" of "Mo
AMBARI-5510	BUG-15387	NPE in ganglia property provider
AMBARI-5509	BUG-16623	"Check Falcon" failed after disable security without pre-configured Kerberos
AMBARI-5508	BUG-16793	Unit tests for steps 10
AMBARI-5507	BUG-16948	Refactor of Flume service view related to metrics.
AMBARI-5505	BUG-16341	HBase in Blueprint results in error
AMBARI-5504	BUG-16146	Views: Dynamic Views menu (interface)
AMBARI-5504	BUG-16145	Views: Ambari Web Layout Update
AMBARI-5503	BUG-12558	Review upgrade helper script for Baikal
AMBARI-5498	BUG-16892	Selecting agent in flume agents table should show 3 additional graph sections
AMBARI-5496	BUG-16906	unit tests for MR/YARN failing on Jenkins
AMBARI-5493	BUG-16782	UI unit tests for disable, security progress, high availability controllers
AMBARI-5492	BUG-16788	Unit tests for steps 5
AMBARI-5490	BUG-16902	Fix UI Unit tests
AMBARI-5489	BUG-16893	Security wizard: browser refresh stops the execution of the wizard on deploy step
AMBARI-5486	BUG-16723	Add tests for OSCheck module
AMBARI-5485	BUG-16048	Ambari should Manage JobHistory Heap Size
AMBARI-5484	BUG-16564	When ATS is not running, Jobs page just shows "Loading..." forever
AMBARI-5480	BUG-15195	There's significant lag for the Restart Indicators to go away after restarting
AMBARI-5478	BUG-16821	Flume configurations should not have 'flume-agent' type
AMBARI-5477	BUG-15821	Flume host component should have stop/start/restart actions
AMBARI-5476	BUG-16469	Change permissions for /var/log/hadoop/mapred/userlogs/*
AMBARI-5474	BUG-16630	Unit tests for steps 3-4
AMBARI-5473	BUG-16698	Create configs tab for Flume service
AMBARI-5472	BUG-16729	MySQL database installed by Ambari does not work with Streaming ingest
AMBARI-5472	BUG-16706	Use SchemaTool in Hive and move to schematool
AMBARI-5471	BUG-16618	UI unit tests for misc and security controllers
AMBARI-5470	BUG-16759	Error on Step 9 on Deploy
AMBARI-5469	BUG-16686	FLUME_HANDLER should be not be master component
AMBARI-5467	BUG-15955	Flume: Add processes endpoint
AMBARI-5464	BUG-16277	Add unit tests for jobs controllers/views
AMBARI-5462	BUG-15085	Allow host group scoped configuration to be specified in blueprint
AMBARI-5461	BUG-16694	Flume agents table in service summary view should be sortable
AMBARI-5457	BUG-16673	Host Checks: alternatives check results are not surfaced in Host Check popup
AMBARI-5456	BUG-16708	Fix UI Unit tests
AMBARI-5454	BUG-15816	Flume service summary page should show list of flume agents and status
AMBARI-5451	BUG-16614	Supervisor Start failed after install cluster

AMBARI-5446	BUG-16591	Upgrade Helper should add ATS when upgrading directly to 2.1.
AMBARI-5445	BUG-15804	When new host components are created thru API, some indication should be given th
AMBARI-5443	BUG-16474	Assign Masters Page: Wrap hostname string value for text fields
AMBARI-5442	BUG-16616	Tests coverage for helper.js and component.js
AMBARI-5441	BUG-15714	Flume: process reporting mechanism
AMBARI-5440	BUG-16621	isAccessAvailable function need to be changed regarding changes in stackDependedC
AMBARI-5439	BUG-16615	Add Service Wizard Step "assign slaves" is broken
AMBARI-5438	BUG-16271	Add unit tests to configuration and update controllers
AMBARI-5437	BUG-16603	ServiceComponent metadata on the client should not be deleted if Stack doesn't supp
AMBARI-5434	BUG-16617	HDFS test_service_check.TestServiceCheck failed
AMBARI-5428	BUG-16546	failing testGenerateManifest, test_overwrite_repos
AMBARI-5427	BUG-14179	Usability: Cleanup database connection checking output during setup
AMBARI-5426	BUG-16164	Jobs page: js error on switching browser tabs
AMBARI-5423	BUG-14742	Remove hard coded Service, Component mapping from LiveStatus.py
AMBARI-5422	BUG-16541	UI unit tests for cluster and BO controller
AMBARI-5421	BUG-16454	Some unit test fail depending on timezone
AMBARI-5420	BUG-16537	Server fails due to old syntactic in metainfo.xml (<osType></osType> to <osFamily></o
AMBARI-5419	BUG-15377	'100%' string out of box when installed done
AMBARI-5418	BUG-15379	BGO window filters should not persist the selected values
AMBARI-5416	BUG-15815	Add 'Flume Agents Live' widget to Ambari dashboard
AMBARI-5411	BUG-16151	Karma integration
AMBARI-5410	BUG-15819	Provide Flume service actions
AMBARI-5409	BUG-16404	Select all option on Confirm Hosts occupies a lot of space
AMBARI-5408	BUG-16288	Flume: Verify and fixes for Ganglia monitoring and metrics
AMBARI-5405	BUG-16434	Cover main app with unit tests
AMBARI-5404	BUG-16432	Fix UI Unit tests
AMBARI-5402	BUG-16401	Remove classic dashboard view from Ambari
AMBARI-5396	BUG-16270	test_kill_process_with_children unit test error on Jenkins
AMBARI-5395	BUG-16357	Flume client model should be created
AMBARI-5394	BUG-16263	Incorrect word wrap of IDs in Jobs table in Firefox
AMBARI-5393	BUG-16334	Stop using App.get('currentServerTime'). We should use App.dateTime() only
AMBARI-5391	BUG-16339	Unit tests for steps 0-2
AMBARI-5389	BUG-15871	Stack service component data should be dynamically fetched from server
AMBARI-5383	BUG-16322	Ambari installs lzo RPMs when lzo is not listed in io.compression.codecs
AMBARI-5379	BUG-15814	Add Flume service to installer UI configs
AMBARI-5378	BUG-15712	Flume agent-side scripts and tests
AMBARI-5377	BUG-15813	Add Flume service to Ambari installer UI
AMBARI-5375	BUG-16176	Views: Dynamic Views menu (query views from server)
AMBARI-5373	BUG-16098	metainfo.xml should support os families not os types
AMBARI-5371	BUG-15683	Dashboard: dashboard actions do not work for non-admin users
AMBARI-5349	BUG-16144	Views: Embedding View with iFrame
AMBARI-5347	BUG-16155	BUG-6013 Add UI unit tests
AMBARI-5337	BUG-16010	BUG-6013 Add unit tests to Confirm Hosts and Deploy step
AMBARI-5303	BUG-15498	Some changes to OSCheck
AMBARI-5284	BUG-15593	Unit test test_start (TestAmbariServer.TestAmbariServer) fails intermittently
AMBARI-5234	BUG-15640	Add new Maintenance States to support different operation levels
AMBARI-5218	BUG-14875	Strange behavior of collapsed panels during removing properties

AMBARI-5206	BUG-15245	proxy user settings need to be set when provisioning via a blueprint
AMBARI-5199	BUG-15165	Replace \$.ajax with App.ajax anywhere where it's possible
AMBARI-5120	BUG-14917	Service Start: Clients are installed on hosts in maintenance mode
AMBARI-4992	BUG-11782	Sometimes cluster installation pauses for few minutes between tasks
AMBARI-4979	BUG-14010	Limiting Ambari version to 3 digits
AMBARI-4921	BUG-15500	Blueprint not setting configs with empty default values
AMBARI-4448 , AMBARI-5518	BUG-11833	Some of the configuration parameters do not have description
AMBARI-4205	BUG-15769	Add Existing Postgres Database option for Hive and Oozie Database during Ambari cl
AMBARI-3962	BUG-8298	Ambari starting SNMPD during the installation, but not set it to autostart on boot
AMBARI-3474 , AMBARI-5387	BUG-9519	Stack definition does not provide global properties with empty values
AMBARI-1783	BUG-6083	Cluster Blueprints for Ambari

2.2. Patch Information

Ambari 1.6.0 is based on Apache Ambari 1.6.0 and does not require any additional Apache patches to match the Apache code base. Hortonworks' philosophy is to provide patches only when absolutely necessary to assure the interoperability of the components. Unless you are explicitly directed by Hortonworks Support to take a patch update, Ambari 1.6.0 needs to remain at this package version level to ensure a certified and supported copy of Ambari 1.6.0.

2.3. Improvements

This release of Ambari 1.6.0 includes the following new features and improvements:

Feature	Description
PostgreSQL Support	Adds support for PostgreSQL for Ambari DB, Hive Metastore and Oozie . Learn more here .
Ambari Blueprints	Ambari Blueprints is an API for performing cluster installations without requiring any UI interaction or requiring the use of the Ambari Cluster Install Wizard. Learn more about Blueprints here .
Stacks and Stack API	Ambari Stacks and the Stacks API provide an extensibility model for Ambari . An Ambari Stack defines services, components, configurations, and repositories, and wraps them in a consistent operational lifecycle with customizable command scripts. Learn more about Stacks here .

2.4. Known Issues

In this section:

- Ambari does not support running or installing stacks on Ubuntu.
- The component version information displayed by Ambari is based on the Ambari Stack definition. If you have applied patches to the Stack and to your software repository, that component version might differ from the actual version installed. There is no functional impact on Ambari if the patch versions mismatch. If you have any questions on component versions, refer to the rpm version installed on the actual host.
- **BUG-24234:** Unable to start/stop services when using Oracle database for Ambari.

Problem: If you are using Oracle for the Ambari DB, you can run into a scenario when performing a start all/stop all where Ambari becomes unresponsive and the following ORA error is printed to the ambari-server log:

```
08:54:51,320 ERROR [qtp1280560314-2070] ReadHandler:84 - Caught a runtime
exception executing a query
Local Exception Stack:
Exception [EclipseLink-4002] (Eclipse Persistence Services - 2.4.0.
v20120608-r11652): org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLException: ORA-01795: maximum
number of expressions in a list is 1000
```

Workaround: Please upgrade to Ambari 1.6.1 and contact Hortonworks Support for a patch to apply.

- **BUG-18118:** YARN alert, related to Application Timeline Server displays after enabling security.

Problem: On a SLES cluster, alert messages may appear, disappear, re-appear and repeat.

Workaround: Stop Nagios using Ambari UI. If this does not stop the behavior, use

```
ps aux | grep nagios
```

If the process continues to run, kill the Nagios process using kill -9 .

- **BUG-18094:** [AMBARI-5847](#): NodeManager processes are running on hosts that do not have NodeManager component installed.

Problem: After installing HDP 2.x Stack with YARN, NodeManager components appear to be running on hosts that did not have NodeManager installed after you perform a host reboot. The init.d scripts included in the hadoop-yarn-nodemanager packages set chkconfig on by default, to auto-start on machine reboot. Rebooting the host starts NodeManager processes.

Workaround: Turn chkconfig off, by executing the following commands on all the hosts in the cluster:

```
chkconfig --del hadoop-yarn-nodemanager
chkconfig --del hadoop-yarn-proxyserver
chkconfig --del hadoop-yarn-resourcemanager
```

- **BUG-18073:** [AMBARI 5877](#): On CentOS5, after upgrading Ambari Server from 1.5.1 to 1.6.0 - alert displays for NameNode checkpoint item.

Problem: The check_checkpoint_time.py script, found in Nagios configs hadoop-commands.cfg is not compatible with Python 2.4, the default Python version for CentOS5.

Workaround: Complete the following steps:

1. Log in to Ambari Server host.

- In `/var/lib/ambari-server/resources/stacks/HDP/2.0.6/services/NAGIOS/package/templates/hadoop-commands.cfg.j2`, edit the following command:

```
define command{
  command_name check_checkpoint_time
  command_line python $USER1$/check_checkpoint_time.py -H "$ARG1$" -p
  $ARG2$ -w $ARG3$ -c $ARG4$ -t $ARG5$ -x $ARG6$
}
```

to

```
define command{
  command_name check_checkpoint_time
  command_line python2.6 $USER1$/check_checkpoint_time.py -H "$ARG1$" -p
  $ARG2$ -w $ARG3$ -c $ARG4$ -t $ARG5$ -x $ARG6$
}
```

- Restart ambari server.

```
ambari-server restart
```

- Restart Nagios using the Ambari Web UI.

- BUG-18061: AMBARI-5834:** Nagios will not start after upgrading from Ambari 1.4.1 to Ambari 1.6.0.

Problem: When using the HDP-2.x Stack, after upgrading from Ambari 1.4.1 to Ambari 1.6.0, Nagios server does not start, and displays the following error message:

```
File "/usr/lib/python2.6/site-packages/resource_management/libraries/script/
config_dictionary.py", line 75, in _getattr_
raise Fail( "Configuration parameter '"self.name "' was not found in
  configurations dictionary!")
Fail: Configuration parameter 'dfs.namenode.checkpoint.txns' was not found
  in configurations dictionary!
```

Ambari 1.4.1 did not have `dfs.namenode.checkpoint.txns` as a configuration property for the HDP 2.x stack.

Workaround: Add the `dfs.namenode.checkpoint.txns` configuration property using Ambari Web:

- Browse to Services > HDFS > Config > Custom `hdfs-site.xml`.
- Add `dfs.namenode.checkpoint.txns` with the value 1000000.
 - ** or other appropriate value; 1000000 is the default Ambari uses**
- Save the configuration.
- Restart HDFS.
- Start Nagios server.

- **BUG-10845: [AMBARI-5878](#):** When using Ambari 1.6.0 to deploy HDP 1.3 Stack using Blueprints, JobTracker writes jobsummary information to an invalid location.
Problem: When starting, JobTracker will print out FileNotFoundException.
Workaround: Using Blueprints, add the `mapred_local_dir` property to your global config.
- **BUG-18035: [AMBARI-5879](#):** Hive/Tez Jobs tab does not show job information.
Problem: After deploying a cluster via Ambari Blueprints, jobs in the Jobs tab display "No Tez Information". Tez information is not available due to default `yarn.timeline-service.webapp.address`, `yarn.timeline-service.webapp.https.address` and `yarn.timeline-service.address` settings that include "0.0.0.0:port" .
Workaround: Using Ambari Web UI, do the following steps:
 1. Browse to Services > YARN > Configs.
 2. Replace {0.0.0.0} with {ATS.Server.hostname} in each of the following properties:
 - `yarn.timeline-service.webapp.address`
 - `yarn.timeline-service.webapp.https.address`
 - `yarn.timeline-service.address`
- **BUG-18006: [AMBARI-5880](#):** Decommission RegionServer warning message is hidden behind Background Operations pop-up window.
Problem: For a cluster with HBase installed, when decommissioning an HBase RegionServer, the warning dialog is hidden behind the Background Operations window.
Workaround: Close, or move the Background Operations window.
- **BUG-17985: [AMBARI-5881](#):** Port configurability for Oozie fails on a secure cluster.
Problem: The Oozie service check fails after enabling security on a cluster having customized port settings.
Workaround: In Ambari Web, browse to Services > Oozie > Configs and modify the Oozie HTTP and Admin ports to 11000 and 11001, respectively.
- **BUG-17803: [AMBARI-5882](#):** After stopping Application Timeline Server, the Jobs page shows "Loading" message indefinitely.
Problem: With a job running on a 2-node, default cluster, shut down Application Timeline Server. Expected behavior: Linked job should not appear. Display message "YARN ATS Not Running". Actual behavior, Jobs page displays "Loading" message indefinitely.
Workaround: Reload (refresh) the page. "YARN ATS Not Running" message appears, as appropriate.
- **BUG-17558: [AMBARI-5700](#):** Hive installation fails when deploying HDP 1.3 stack with the following error:

```

Exception in thread "main" java.lang.RuntimeException: org.apache.hadoop.
hive.ql.metadata.HiveException: java.lang.ClassNotFoundException: org.
apache.hcatalog.security.HdfsAuthorizationProvider
  at org.apache.hadoop.hive.ql.session.SessionState.start(SessionState.
java:280)
  at org.apache.hadoop.hive.cli.CliDriver.run(CliDriver.java:670)
  at org.apache.hadoop.hive.cli.CliDriver.main(CliDriver.java:614)
  at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
  at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.
java:57)
  at 25613sun.reflect.DelegatingMethodAccessorImpl.
invoke(DelegatingMethodAccessorImpl.java:43)
  at java.lang.reflect.Method.invoke(Method.java:601)
  at org.apache.hadoop.util.RunJar.main(RunJar.java:160)
Caused by: org.apache.hadoop.hive.ql.metadata.HiveException:
  java.lang.ClassNotFoundException: org.apache.hcatalog.security.
HdfsAuthorizationProvider
  at org.apache.hadoop.hive.ql.metadata.HiveUtils.
getAuthorizeProviderManager(HiveUtils.java:342)
  at org.apache.hadoop.hive.ql.session.SessionState.start(SessionState.
java:274)
  ... 7 more
Caused by: java.lang.ClassNotFoundException: org.apache.hcatalog.security.
HdfsAuthorizationProvider
  at java.net.URLClassLoader$1.run(URLClassLoader.java:366)
  at java.net.URLClassLoader$1.run(URLClassLoader.java:355)
  at java.security.AccessController.doPrivileged(Native Method)
  at java.net.URLClassLoader.findClass(URLClassLoader.java:354)
  at java.lang.ClassLoader.loadClass(ClassLoader.java:423)
  at java.lang.ClassLoader.loadClass(ClassLoader.java:356)
  at java.lang.Class.forName0(Native Method)
  at java.lang.Class.forName(Class.java:266)
  at org.apache.hadoop.hive.ql.metadata.HiveUtils.
getAuthorizeProviderManager(HiveUtils.java:335)
  ... 8 more

```

Problem: The HIVE_AUX_JARS_PATH is:

```

if [ "${HIVE_AUX_JARS_PATH}" != "" ]; then
  export HIVE_AUX_JARS_PATH=${HIVE_AUX_JARS_PATH}
else
  export HIVE_AUX_JARS_PATH=/usr/lib/hcatalog/share/hcatalog/hcatalog-core.
jar
fi

```

The HIVE_AUX_JARS_PATH should be:

```

if [ "${HIVE_AUX_JARS_PATH}" != "" ]; then
  export HIVE_AUX_JARS_PATH=/usr/lib/hcatalog/share/hcatalog/hcatalog-core.
jar:${HIVE_AUX_JARS_PATH}
else
  export HIVE_AUX_JARS_PATH=/usr/lib/hcatalog/share/hcatalog/hcatalog-core.
jar
fi

```

Workaround: Implement either one of the following solutions:

- Create the directory \$HIVE_HOME/auxlib and copy all the jars you would have specified in HIVE_AUX_JARS_PATH, or
- Create a directory containing all the jars you would have specified including the hcatalog-core.jar in HIVE_AUX_JARS_PATH. Set the HIVE_AUX_JARS_PATH to that directory location.
- **BUG-17511: [AMBARI-5883](#)**: Ambari installs but does not deploy additional .jar files in oozie.war to support HDP-1 oozie-hive workflows.

Problem: Manual configuration required to deploy additional ,jar files, post-install.

Workaround: After installing or upgrading to Ambari 1.6.0, use Ambari Web > Services > Config to add the following property to the oozie-sitel.xml configuration:

```
<property>
<name>oozie.credentials.credentialclasses</name>
<value>hcat=org.apache.oozie.action.hadoop.HCatCredentials</value>
</property>
```

- **BUG-17280: [AMBARI-5884](#)**: Slave components in decommissioned state restart during Service restarts.

Problem: Decommission a DataNode and then restart HDFS service. The decommissioned DataNode will restart.

Workaround: None. This is expected behavior.

- **BUG-16556: [AMBARI-5435](#)**: "Connection refused" errors in the YARN application logs. Timeline service is not started, but yarn-site.xml has the timeline-related configuration enabled.

Problem: ATS is turned off in secure clusters installed by Ambari but in the yarn-site.xml, the ATS config is set to true. As a result, there are "Connection refused" errors in the YARN application logs.

Workaround: In Ambari Web, browse to Services > YARN > Configs. In the yarn-site.xml section, set the following property to false:

```
<property>
  <name>yarn.timeline-service.enabled</name>
  <value>>false</value>
</property>
```

- **BUG-16534:** Quick links to Oozie Web UI and Falcon Web UI do not work after reconfiguring port for oozie.base.url .

Description: This occurs because the Oozie HTTP port (11000) and Admin port (11001) cannot be changed via Ambari. Oozie uses 11001 as the default Admin port.

Workaround: Reset the Oozie HTTP port and Admin port to 11000 and 11001, respectively.

3. Release Notes Ambari-1.5.1

RELEASE NOTES: Apache Ambari 1.5.1

In this document:

- [What's Changed in Ambari-1.5.1](#)
- [Patch Information](#)
- [Improvements](#)
- [Known Issues](#)

3.1. What's Changed in Ambari-1.5.1

The following changes were made in Ambari-1.5.1:

Apache JIRA	Support Tracking	Summary
AMBARI-5468	BUG-16712	"Oozie server" was failed or stopped immediately, after start (sles/cento
AMBARI-5455	BUG-16702	Ambari configuration for map join conversion and tez container size see
AMBARI-5453	BUG-16689	MR sleep job OOM in Ambari-deployed cluster
AMBARI-5452	BUG-16676	Ambari schema does not upgrade on 1.4.3 and 1.4.4 with MySQL as Am
AMBARI-5450	BUG-16661	Modify property in tez-site for Ambari
AMBARI-5447	BUG-16575	WebHCat start Fail when upgraded from 1.4.x to 1.5.0
AMBARI-5444	BUG-16620	Oozie server start fails on cluster install (stack 1.3.3)
AMBARI-5436	BUG-16406	Map operator displays wrong statistics for TPC-DS Query27
AMBARI-5433	BUG-16497	Add Host failed on upgraded cluster on Suse
AMBARI-5432	BUG-16560	Add service wizard to add missing service-components for other services
AMBARI-5431	BUG-16567	storm-env.sh needs to be created at /etc/storm/conf
AMBARI-5430	BUG-16542	Changing of mapreduce.map.java.opts, mapreduce.reduce.java.opts val
AMBARI-5425	BUG-16529	Set -server in java opts in mapred-site.xml and tez-site.xml
AMBARI-5413	BUG-16436	Os type check for centos 6.5 can fail if the /etc/issue has CentOS Linux re
AMBARI-5412	BUG-16333	Operation "Supervisor start" failed during installation but all supervisors
AMBARI-5400	BUG-16407	Inefficient default Map heap size values set by Ambari
AMBARI-5390	BUG-14762	Jobs page should show only jobs with Tez DAGs
AMBARI-5386	BUG-16272	Deploy stuck during generating tasks on Review page (not always repro
AMBARI-5385	BUG-16310	Ambari Views : MySQL create script is wrong for View tables
AMBARI-5382	BUG-16265	Schema Upgrade failed when upgrading to Baikal
AMBARI-5381	BUG-16266	Installer: 'Undo' button for repo BaseURL is unnecessarily present
AMBARI-5380	BUG-16222	Ambari performs extremely slow on CentOS 5
AMBARI-5376	BUG-16280	jmx NODEMANAGER metrics dont display when we customize NODEMA
AMBARI-5374	BUG-16156	HCat component still require Restart after changing Hive configs and St
AMBARI-5370	BUG-16181	Unit tests still failing on Jenkins
AMBARI-5368	BUG-15910	HDP 2.1 install leaves deprecated params in mapred-site.xml, causes Hive
AMBARI-5366	BUG-15927	Hide Ubuntu option by default for 1.5.1
AMBARI-5365	BUG-16221	Deploy cluster blocked for stacks 1.3.2, 1.3.3 and 2.0
AMBARI-5364	BUG-14561	Re-order Tez configurations in UI
AMBARI-5363	BUG-16138	Typo error in container-executor.cfg

AMBARI-5362	BUG-16180	Automatic bootstrap failed on CentOS 6.5 (No module named common)
AMBARI-5361	BUG-16030	Total number of jobs is incorrect on the "jobs" link
AMBARI-5360	BUG-16042	Storm local directory set up by Ambari does not follow the convention u
AMBARI-5359	BUG-16083	Unit test NagiosPropertyProviderTest fails
AMBARI-5358	BUG-16161	Make sure a disk goes R/O for datanodes the datanodes are still started
AMBARI-5357	BUG-16172	Hive service check tests try to access external host and slow down test ru
AMBARI-5356	BUG-16080	File hadoop-mapreduce.jobsummary.log is missing on host with JobTrac
AMBARI-5355	BUG-16139	Ambari does not reflect correct version of HDP component in Admin Tal
AMBARI-5354	BUG-16157	Automatic Bootstrap on cento5 fails when no python2.6 is present
AMBARI-5353	BUG-16017	Falcon directory ownership set incorrectly
AMBARI-5352	BUG-15942	PIG_OPTS should be appended instead of being over written
AMBARI-5351	BUG-15949	Add Apache License Checking to Unit Tests
AMBARI-5350	BUG-15982	Ambari should set "hive.optimize.bucketmapjoin.sortedmerge=false" in
AMBARI-5348	BUG-16158	Jobs page: hovering popup (on jobs name) sometimes disappear
AMBARI-5346	BUG-16060	Suggest the user to put the service in Maintenance Mode before perform
AMBARI-5345	BUG-16077	Server Error: 500 status code received on GET method for API.
AMBARI-5344	BUG-15708	Error with finding FK constraint in Oracle DB.
AMBARI-5343	BUG-15776	Ambari hiveserver2 smoke test wrong for hiveserver 2 that uses LDAP a
AMBARI-5342	BUG-13831	Ambari YARN UI - Quick Link - JMX breaks if RM port is changed
AMBARI-5341	BUG-16006	Namenode unittests are broken
AMBARI-5340	BUG-16023	Tez DAG Operator hover text not wrapping wide content
AMBARI-5339	BUG-15999	Checkboxes displayed incorrectly on "Assign Slaves and Clients" page on
AMBARI-5336	BUG-16007	JobsDiagnostic 2.1.1: New jobs don't show up in jobs table.
AMBARI-5335	BUG-16052	Change Ambari to not upload Hive jar and to not set hive.jar.directory
AMBARI-5334	BUG-16049	No ability to load new Hive jobs as link vanishes
AMBARI-5333	BUG-16050	No hover showing command for non-Tez Hive queries
AMBARI-5332	BUG-14301	Check for openssl-1.0.1e-15 before registering hosts
AMBARI-5330	BUG-16036	Some Falcon properties are not reconfigurable
AMBARI-5329	BUG-15850	Ambari Views : need to add view tables for upgrade catalog
AMBARI-5327	BUG-16004	Hive start fails on centos5
AMBARI-5326	BUG-15296	Ambari should be able to configure ATS age off parameters
AMBARI-5325	BUG-14735	Falcon service check should use smokeuser credentials for kerberos auth
AMBARI-5322	BUG-15924	Mirroring: unable to show more than 10 datasets
AMBARI-5321	BUG-15859	Jobs js-error
AMBARI-5320	BUG-15956	Jobs link should not show up when security is enabled
AMBARI-5319	BUG-13367	Investigate how we can log all exceptions rather than getting log that a
AMBARI-5318	BUG-11402	HBASE should have state "INSTALLED" when there is no active HBASE_M
AMBARI-5315	BUG-15799	Jobs UI - Jobs without link to job details page
AMBARI-5314	BUG-15965	Ambari Web unit tests don't run due to an error
AMBARI-5313	BUG-16000	Icon "Asterisk" on "Assign Masters"/-Slaves steps does not display with 8
AMBARI-5312	BUG-11347	Web UI: help popup remains after clicking "deploy"
AMBARI-5311	BUG-15992	Falcon fails to deploy
AMBARI-5311	BUG-15987	During deployment "Falcon Client install" failed
AMBARI-5310	BUG-15985	Do not do server-client version match check if App.version have not bee
AMBARI-5309	BUG-15971	Ambari installer with Falcon enabled has new Prism required properties
AMBARI-5305	BUG-15779	Ambari should upgrade the mysql JDBC driver for Hive it installs to 5.1.2
AMBARI-5304	BUG-14616	Finalize 2.1 Stack definition for repo info file

AMBARI-5302	BUG-15731	Ambari Unit Test Failures
AMBARI-5300	BUG-15862	Implement pagination on "Install, Start and Test" step
AMBARI-5299	BUG-15751	Updated ganglia service description
AMBARI-5298	BUG-15918	Mirroring: Start sorting works incorrect
AMBARI-5297	BUG-15916	JS-error on host details page
AMBARI-5295	BUG-15915	Cannot proceed beyond Welcome page due to JS error
AMBARI-5294	BUG-15795	Add 'Show 100' option on Hosts page
AMBARI-5290	BUG-15863	Mirroring: show spinners in popups while data is loading
AMBARI-5289	BUG-13093	Ambari - hive security configuration
AMBARI-5288	BUG-15858	Mirroring Manage Clusters: incorrect url after page refresh
AMBARI-5286	BUG-15861	Long time loading of Customize Services step
AMBARI-5285	BUG-15801	Jobs UI - Back button on jobs table not enabled when new jobs refresh
AMBARI-5283	BUG-15773	Check bad credentials vs. aborted and present different message to user
AMBARI-5282	BUG-15693	Supervisor.enable should be removed from Ambari's Storm Config section
AMBARI-5281	BUG-15797	Jobs UI - New jobs available on server link not loading immediately
AMBARI-5280	BUG-14983	Storm daemons need to run under supervision
AMBARI-5279	BUG-15790	Jobs UI - refresh new jobs link needlessly showing up
AMBARI-5278	BUG-14774	Review Falcon Configs in Ambari.
AMBARI-5276	BUG-15840	BG operations popup: Restart operation for host component should not
AMBARI-5275	BUG-15755	After upgrading from Comanche, adding host and reconfiguring all serv
AMBARI-5267	BUG-15750	HDP2.1 Hive metastore install fails on multinode cluster
AMBARI-5266	BUG-15775	Red / green colorblind problem with service status dashboard, etc.
AMBARI-5263	BUG-15762	Mirroring: add schedule dataset action
AMBARI-5262	BUG-15658	Implement pagination on "Assign Slaves and Clients" step
AMBARI-5260	BUG-14771	Jobs table should support pagination
AMBARI-5259	BUG-15566	Jobs UI - Sorting on duration does not actually sort jobs
AMBARI-5257	BUG-14714	Ambari Views : Persistence
AMBARI-5255	BUG-12771	Make selected filter links on wizard pages more prominent
AMBARI-5251	BUG-14484	Security Wizard: Surface information about Delete ATS API call on web-
AMBARI-5250	BUG-15680	Jobs page. Invalid number of displayed jobs
AMBARI-5249	BUG-14662	Disk_total sometimes returns 0
AMBARI-5247	BUG-15567	Jobs UI - Negative duration shown for jobs in progress
AMBARI-5246	BUG-13599	Mistake in title of operation "Restart Nimbuss"
AMBARI-5245	BUG-15604	gmond.master.conf files are generated by Ganglia Server
AMBARI-5244	BUG-15665	Wizard Step7 JS error on load page (add service wizard)
AMBARI-5243	BUG-15666	Confirm Hosts step: performance optimization in order to support large
AMBARI-5241	BUG-15441	Add hive-action-0.3.xsd to the oozie-site.xml file
AMBARI-5239	BUG-15659	Service config page generates js-error when accessed directly
AMBARI-5238	BUG-15512	UI showing Hive configs on HBase service page
AMBARI-5237	BUG-15507	Implement pagination on "Confirm Hosts" step
AMBARI-5236	BUG-10446	Set webhcat-site.xml props required by BUG-7466
AMBARI-5235	BUG-14475	Add component of clients in Ambari doesn't work in a secured cluster
AMBARI-5233	BUG-15636	Ambari server and UI should use the same version when making a build
AMBARI-5230	BUG-15580	Tooltips in Jobs table don't change with the advent of new items
AMBARI-5227	BUG-14618	Front-end changes to support the latest_url
AMBARI-5226	BUG-14990	Check STORM fails
AMBARI-5224	BUG-5613	Hive logs should use better dir than /tmp

AMBARI-5223	BUG-9889	Hive-env.sh overwrites user value of HIVE_AUX_JARS_PATH
AMBARI-5221	BUG-15577	When coming on jobs page first time, jobs first request is requesting all
AMBARI-5220	BUG-10771	Unittests for Service resource an all it's attributes
AMBARI-5219	BUG-15265	Tez user being created
AMBARI-5217	BUG-11790	Incorrect Stale Config indicator shown for HDFS, YARN and MR2 service
AMBARI-5215	BUG-15515	Logviewer related properties are not surfaced on web-ui.
AMBARI-5214	BUG-15448	Ambari invalidates user names with underscore in it's value
AMBARI-5207	BUG-13933	Ambari configs for hive acid
AMBARI-5205	BUG-15496	Add tez_user property in UI
AMBARI-5204	BUG-12293	Host clean up should rely on host check to tell it what processes to kill
AMBARI-5203	BUG-14764	Jobs page becomes extremely slow and unresponsive around 500 queries
AMBARI-5202	BUG-15442	Ambari Server tests not completing on Mac
AMBARI-5200	BUG-15440	Mirroring: wrong timezone in Edit Dataset popup
AMBARI-5198	BUG-14456	Pre Existing alternatives can cause deployment issues when a cluster has
AMBARI-5197	BUG-15116	Ambari Installer: Set up tez.am.env to match mapreduce.admin.user.en
AMBARI-5193	BUG-15431	Mirroring: hide dataset actions, when Falcon is stopped
AMBARI-5192	BUG-15319	Turn off Falcon lineage feature
AMBARI-5188	BUG-13938	Component version numbers do not seem accurate
AMBARI-5179	BUG-15019	Mirroring: each status should have appropriate status indicator
AMBARI-5177	BUG-15288	Hive job's 'show more' action should expand and collapse smoothly
AMBARI-5176	BUG-14506	Remove code for HA mode where it's unuseful. (from hooks and param
AMBARI-5175	BUG-15283	Tez DAG vertex operation hover should show full operation name
AMBARI-5174	BUG-14769	Ambari UI shows Tez DAG vertex times cumulative
AMBARI-5173	BUG-14575	The status of App Timeline Server affect the health status of YARN servi
AMBARI-5172	BUG-15010	Mirroring: filter out non-Ambari mirroring feeds by naming convention
AMBARI-5169	BUG-14395	Associate applications seen on RM with tez jobs on ATS
AMBARI-5164	BUG-15209	Warning logs for missing .hash files in the agent logs
AMBARI-5163	BUG-14954	Just clicking on property value entails the appearance of 'Undo' link
AMBARI-5162	BUG-15007	Mirroring: surface error messages from Falcon
AMBARI-5161	BUG-15169	Customize Services step load: change calls to asynchronous
AMBARI-5159	BUG-14885	Storm config page not available
AMBARI-5158	BUG-15009	Mirroring: add info message/tooltips for Cluster fields
AMBARI-5157	BUG-14576	Problems with pop-ups on Job page and Job Details page (Firefox Brows
AMBARI-5156	BUG-15213	Hive CLI using Tez runtime does not start by throwing HDFS exception
AMBARI-5148	BUG-14936	LogViewer service needs to run on all supervisor nodes
AMBARI-5147	BUG-15051	Upgraded single-node Ambari cluster has yarn job summary entries miss
AMBARI-5141	BUG-14778	Selecting operator in Tez DAG vertex should show operator table
AMBARI-5140	BUG-14217	Ganglia service does not require restart after changing configs
AMBARI-5137	BUG-14521	Strange HDFS and Mapreduce services behavior after FIRST "Save" butto
AMBARI-5131	BUG-14785	Size Tez DAG vertices by amount of time taken
AMBARI-5127	BUG-15015	Job Tez DAG's vertices table not sorted by value
AMBARI-5126	BUG-15081	Storm: nimbus.childopts config doesn't update on Add Service Wizard
AMBARI-5125	BUG-15016	Comment out Records read/written from vertex summary dropdown
AMBARI-5118	BUG-14997	Update Request resource API doc
AMBARI-5117	BUG-15029	Falcon Smoke test fails
AMBARI-5115	BUG-14483	Mirroring: auto-refresh of data loses paging
AMBARI-5110	BUG-14978	Storm: Remove LogviewerServer from the list of masters

AMBARI-5109	BUG-14708	BootStrapTest hangs sometimes
AMBARI-5108	BUG-11648	HBaseRegionServer requires multiple retries to be stopped during reassign
AMBARI-5107	BUG-14784	Job Tez DAG vertex start/end time should show seconds also
AMBARI-5106	BUG-14773	Jobs table should have wider query hover
AMBARI-5105	BUG-14446	Mirroring: each instance is shown twice
AMBARI-5102	BUG-14486	Mirroring: instance table should be shown most recent first
AMBARI-5096	BUG-14973	Mirroring: core-site.xml's falcon proxy hosts should be * for data replication
AMBARI-5095	BUG-14614	Add ability to read latest repo and provide from Ambari
AMBARI-5093	BUG-14852	Ambari metric chart for #slots shows wrong # of used slots
AMBARI-5091	BUG-14330	Ambari should install Hive metastore DB schema using SchemaTool
AMBARI-5086	BUG-11676	Provide better error message if agent host cannot reach repo during registration
AMBARI-5085	BUG-14835	Add feature that allows disable buttons of popup
AMBARI-5084	BUG-14140	On Access tab " Enable Jobs tab for non-admin users " doesn't work
AMBARI-5080	BUG-14786	Job Tez DAG should handle a union query
AMBARI-5078	BUG-14783	Job Tez DAG should show spilled records per vertex
AMBARI-5072	BUG-14707	Mirroring: stabilize datasets initial loading
AMBARI-5064	BUG-14560	Model ATS host name into App.YARNService class
AMBARI-5063	BUG-13730	Filter and sorting preferences lost when visiting a Job
AMBARI-5060	BUG-11692	Security Wizard: enable Kerberos setup for Storm
AMBARI-5059	BUG-14410	GET on Request API takes over 50 seconds to respond
AMBARI-5058, AMBARI-5068	BUG-13743	Start services failed after disabled security on not preconfigured cluster
AMBARI-5057	BUG-14403	Restart does not seem to provide the Maintenance State info in the execution
AMBARI-5055	BUG-14551	Jobs popup hanging
AMBARI-5054	BUG-14387	Negative duration for completed apps on ATS
AMBARI-5053	BUG-14482	Mirroring: Manage Clusters popup UI tweaks
AMBARI-5053	BUG-14481	Mirroring: Manage Cluster > Create Target Cluster UI tweaks
AMBARI-5052	BUG-14562	Proxied API requests do not return error details
AMBARI-5049	BUG-14757	Add Falcon clients link to Falcon Service summary page
AMBARI-5047	BUG-14780	API proxy returns "204 No Content" if the underlying call takes more than 30s
AMBARI-5045	BUG-14573	Temporarily wrong location of progress bar
AMBARI-5043	BUG-14753	Oozie-site.xml defaults need to be updated for 2.1 stack
AMBARI-5041	BUG-14739	Falcon does not support _HOST substitution in principal names.
AMBARI-5039	BUG-14747	Add option to navigate to different pages in the app timeline page
AMBARI-5037	BUG-14740	Job DAG layout issues - misplaced vertices and wide rows
AMBARI-5036	BUG-13565	Secured: Start All Services task got stuck forever
AMBARI-5034	BUG-14736	Operator plan in Hive query page should not be editable
AMBARI-5033	BUG-14663	Configs are not being pushed to Falcon Client hostComponent
AMBARI-5030	BUG-14710	Jobs page column headers are misplaced
AMBARI-5029	BUG-14713	Improve Tez dag layout for a fully connected graph
AMBARI-5028	BUG-14665	Hive Service Check Failed during Install Wizard
AMBARI-5026	BUG-14538	Assigning hosts to Config group takes a minute and Ok button is not green
AMBARI-5023	BUG-14488	Mirroring: Create New Dataset popup tweaks
AMBARI-5019	BUG-14122	Implement column sorting on vertices table of individual Job
AMBARI-5017	BUG-14485	Mirroring: there's no immediate feedback on "Kill Instance" and "Suspend Instance"
AMBARI-5016	BUG-14487	Mirroring: Dataset table should be clickable anywhere in the row
AMBARI-5011	BUG-11623	Security Wizard: enable Kerberos setup for Falcon
AMBARI-5009	BUG-14589	'Disk_total' for one host returns 0 and the UI displays -Infinity%

AMBARI-5004	BUG-13088	Restart indicator behavior is inconsistent
AMBARI-5003	BUG-14496	Hive query does not log/indicate failure in HIVE_QUERY_ID entity
AMBARI-5003	BUG-14354	Jobs page w/o DAG loop in UI
AMBARI-5001	BUG-14500	Tooltip for custom properties should be removed as it is useless
AMBARI-5000	BUG-14550	Should not be able to edit log and pid for falcon post install
AMBARI-4998	BUG-14173	Need tooltip for vertex state in Tez DAG state
AMBARI-4997	BUG-14460	Falcon-env.sh needs to be templated and JAVA_HOME needs to be set
AMBARI-4994	BUG-13819	Jobs page: When "id" filter is applied, other filters do not work.
AMBARI-4988	BUG-14549	Quick link for storm should say "Storm UI"
AMBARI-4987	BUG-14489	Falcon: when installing Falcon, oozie-site.xml needs to set oozie.services
AMBARI-4985	BUG-14555	Yarn Service check API returns with server-side exception in secure cluster
AMBARI-4981	BUG-14375	Cannot stop selected services via API
AMBARI-4978	BUG-14499	Storm Service Check failed for Mixed OS
AMBARI-4974	BUG-13595	DRPC Server Stop fails on step 5 of HA Wizard
AMBARI-4972	BUG-14421	Add generating Storm keytabs in csv to UI
AMBARI-4969	BUG-15055	Yarn metrics are missing from NODEMANAGER host component
AMBARI-4967	BUG-14379	Security wizard: Start all services call should wait for the result of Delete
AMBARI-4892	BUG-14205	Storm REST API Server eventually goes into "STOPPED" state
AMBARI-4889	BUG-14049	Storm components cannot be started after failure
AMBARI-4860	BUG-14015	Falcon Service Check failed during install
AMBARI-4802	BUG-13900	Jobs: applying custom filter on jobs page is sending wrong request to se
AMBARI-4783	BUG-13818	Storm: Incorrect value of storm.zookeeper.servers property after saving
AMBARI-4770	BUG-13644	Tez clients should be installed on Hive server and Hive client nodes
AMBARI-4749	BUG-13670	Supervisor install failure on retry installations
AMBARI-4745	BUG-13674	Value "storm.zookeeper.servers" not changing after adding new ZK serv
AMBARI-4741	BUG-13532	Alerts for ATS Component
AMBARI-4711	BUG-13598	UI should read childopts for the server
AMBARI-4683	BUG-13431	Tez vertex status should be shown in DAG
AMBARI-4659	BUG-13416	Jobs start/end/duration values not showing up
AMBARI-4645	BUG-13432	Tez vertex start and end times should be shown
AMBARI-4644	BUG-13428	Tez DAG Edge label showing constants
AMBARI-4589	BUG-13111	Tez: Run Service Check link doesn't work
AMBARI-4534	BUG-13039	Add ability to delete individual DataNode, TaskTracker, NodeManager,
AMBARI-4523	BUG-13054	OS type checking differences between agent and server
AMBARI-4503	BUG-12600	MySQL fails to install on EC2, RHEL 6.4 AMI
AMBARI-4393	BUG-12548	Fix several bugs in Falcon python scripts

3.2. Patch Information

Ambari 1.5.1 is based on Apache Ambari 1.5.1 and does not require any additional Apache patches to match the Apache code base. Hortonworks' philosophy is to provide patches only when absolutely necessary to assure the interoperability of the components. Unless you are explicitly directed by Hortonworks Support to take a patch update, Ambari 1.5.1 needs to remain at this package version level to ensure a certified and supported copy of Ambari 1.5.1.

3.3. Improvements

This release of Ambari 1.5.1 includes the following new features and improvements:

- Support for HDP 2.1 Stack:
 - Data Governance with Apache Falcon
 - Streaming with Apache Storm
 - Managing Tez Clients

3.4. Known Issues

In this section:

- Ambari does not support running or installing stacks on Ubuntu.
- The component version information displayed by Ambari is based on the Ambari Stack definition. If you have applied patches to the Stack and to your software repository, that component version might differ from the actual version installed. There is no functional impact on Ambari if the patch versions mismatch. If you have any questions on component versions, refer to the rpm version installed on the actual host.
- **BUG-24234:** Unable to start/stop services when using Oracle database for Ambari.

Problem: If you are using Oracle for the Ambari DB, you can run into a scenario when performing a start all/stop all where Ambari becomes unresponsive and the following ORA error is printed to the ambari-server log:

```
08:54:51,320 ERROR [qtp1280560314-2070] ReadHandler:84 - Caught a runtime
exception executing a query
Local Exception Stack:
Exception [EclipseLink-4002] (Eclipse Persistence Services - 2.4.0.
v20120608-r11652): org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLSyntaxErrorException: ORA-01795: maximum
number of expressions in a list is 1000
```

Workaround: Please upgrade to Ambari 1.6.1 and contact Hortonworks Support for a patch to apply.

- **BUG-16783:** Default MySQL max allowed packet size setting too small.

Problem: When using MySQL for Ambari DB and enabling Kerberos Security on the cluster, you receive a persistence exception "Packet for query is too large".

Workaround: Increase the `max_allowed_packet` setting in MySQL from the default 1M to 128M. This can be accomplished with the following steps:

1. Modify the MySQL configuration file `/etc/my.cnf` on the MySQL server host.
2. Add the following entry:

```
[mysqld] max_allowed_packet=128M
```

3. Save and restart MySQL server.

- **BUG-16729, AMBARI-5472:** MySQL database installed by Ambari does not work with streaming ingest.

Problem: When Ambari creates the metastore database in MySQL, it uses the DataNucleus auto create feature. This does not create the transaction tables, so any ACID operations (including streaming ingest) will not work.

Workaround: After Ambari has created the mysql database, make the following changes:

```
mysql -u <dbuser> -D <dbname> -p < /usr/lib/hive/scripts/metastore/upgrade/
mysql/hive-txn-schema-0.13.0.mysql.sql
```

You will be asked for the password. <dbuser>, <dbname>, and the password can be found in /etc/hive/conf.server/hive-site.xml.
 javax.jdo.option.ConnectionUserName, value is user name
 javax.jdo.option.ConnectionURL, db name is the last element of the URL before the parameters, for example if your URL is jdbc:mysql://db.me.com/hivedb?createDatabaseIfNotExist=true, then your database name is "hivedb"
 javax.jdo.option.ConnectionPassword, value is the password.

- **BUG-16623, AMBARI-5509:** "Check Falcon" failed after disabling security without first pre-configuring a kerberos cluster.

Problem: Disabling security using Ambari is also disabling Falcon authentication.

- **BUG-16565:** Hive and Storm do not start after changing of some ports.

Problem: Hive and Storm services currently expect the default ports set by Ambari on install. Making changes to other ports causes the services to stop and makes them unable to restart.

Workaround: Use the default ports for all services to ensure regular Hive and Storm service.

- **BUG-16556, AMBARI-5435:** "Connection refused" errors in the YARN application logs. Timeline service is not started, but yarn-site.xml has the timeline-related configuration enabled.

Problem: ATS is turned off in secure clusters installed by Ambari but in the yarn-site.xml, the ATS config is set to true. As a result, there are "Connection refused" errors in the YARN application logs.

Workaround: Set yarn.timeline-service.enabled in yarn-site.xml to false:

```
<property>
  <name>yarn.timeline-service.enabled</name>
  <value>>false</value>
</property>
```

- **BUG-16534:** Quick links (Oozie Web UI, Falcon Web UI) do not work after reconfiguring port of oozie.base.url

Description: This occurs because the Oozie HTTP port (11000) and Admin port (11001) cannot be changed via Ambari. Oozie uses 11001 as the default Admin port.

Workaround: Reset ports to Oozie HTTP port (11000) and Admin port (11001).

4. Release Notes Ambari-1.5.0

RELEASE NOTES: Apache Ambari 1.5.0

In this document:

- [What's Changed in Ambari-1.5.0](#)
- [Patch Information](#)
- [Improvements](#)
- [Known Issues](#)

4.1. What's Changed in Ambari-1.5.0

The following changes were made in Ambari-1.5.0:

Apache JIRA	Support Tracking	Summary
AMBARI-5248	BUG-15668	Says Falcon in proxy user with HDP 2.0 stack
AMBARI-5238	BUG-15512	UI showing Hive configs on HBase service page
AMBARI-5225	BUG-15563	Ambari upgrade test, CentOS5 failed to add host
AMBARI-5222	BUG-15083	Assigning History Server to non-default host produces alert
AMBARI-5216	BUG-13327	stale_configs parameter works not properly after removing config gro
AMBARI-5213	BUG-15183	HCat client configs can be refreshed only on host/component level, bu
AMBARI-5210	BUG-15401	After upgrade (1.4.3 -> 1.5.0, HDP-1.3.2) unable to issue restart
AMBARI-5209	BUG-15343	MapReduce2 Client Install fails after cluster upgrade
AMBARI-5208	BUG-15426	After enable Security, during "Start All Services" "HBase Master Start" fa
AMBARI-5201	BUG-15365	Alert display randomly shows "No alerts" and then populate with alerts
AMBARI-5195	BUG-15399	Unable to start history server and job tracker after upgrade
AMBARI-5190	BUG-15393	Add host fails after upgrade from 1.4.4 to 1.5.0 as datanode install fail
AMBARI-5186	BUG-14989	On EC2, AMI for RHEL 5.7 does not start postgres on setup
AMBARI-5185	BUG-15390	Unable to delete host even when all host components are in INIT state
AMBARI-5182	BUG-15334	Retrieve registered host from API throws exception
AMBARI-5178	BUG-15158	After upgrade hdfs-site and other configs don't contain properties intr
AMBARI-5165	BUG-15259	Confirmation dialog is not closed when running service check.
AMBARI-5163	BUG-14954	Just clicking on property value entails the appearance of 'Undo' link
AMBARI-5160	BUG-13633	Error in picking up LzoCodecs in Ambari-deployed Oracle 6.3 and Cent
AMBARI-5154	BUG-15182	Upgrade from 1.4.4 to 1.5.0 failed on Oracle DB
AMBARI-5153	BUG-15227	Column length too long for Oracle
AMBARI-5149	BUG-15137	YARN Summary panel shows incorrect "Cluster Memory total"
AMBARI-5147	BUG-15051	Upgraded single-node Ambari cluster has yarn job summary entries mi
AMBARI-5146	BUG-15050	After Ambari is upgraded to 1.5.0, previous JAVA_HOME is overwritte
AMBARI-5143	BUG-15034	Should not allow decommission/recommission of slave component if m
AMBARI-5140	BUG-14217	Ganglia service does not require restart after changing configs
AMBARI-5139	BUG-15149	Error while host confirmation (bootstrap.py)
AMBARI-5136	BUG-15150	Installer - Install, Start and Test: list of hosts are disappeared after retry
AMBARI-5134	BUG-13757	Request Schedule Batch request, return code, status and message not

AMBARI-5133	BUG-14982	Maintenance Mode: On Host Details page, Start All fails
AMBARI-5132	BUG-15075	On "Host Details Page" Start All, Stop All and Restart All items in "Host
AMBARI-5130	BUG-15100	Ambari stack upgrade, cannot delete Mapreduce using UpgradeHelve
AMBARI-5128	BUG-15037	Rolling Restart dialog shows incorrect message that slaves won't be res
AMBARI-5124	BUG-14523	Configure Components step of HA wizard got stuck forever (requires p
AMBARI-5123	BUG-15021	Background Operations window does not appear after triggering Rolli
AMBARI-5121, AMBARI-5150	BUG-14987	Ensure that the Server and Client versions match (browser caching issu
AMBARI-5113	BUG-15018	Ambari UI doesn't resume updating after logout/login
AMBARI-5112	BUG-13332	hadoop-mapreduce.jobsummary.log is empty when specified custom Y
AMBARI-5111	BUG-14824	Host confirmation failed on suse
AMBARI-5108	BUG-11648	HBaseRegionServer requires multiple retries to be stopped during reas
AMBARI-5097	BUG-14765	Retry failure after installation failure triggers start all services request
AMBARI-5094	BUG-14384	yarn.exclude FileNotFoundException during RM startup
AMBARI-5092	BUG-14894	HCat client does not require restart after changing configs
AMBARI-5090	BUG-14955	Info dialog does not need cancel button
AMBARI-5081	BUG-14878	'Check HBASE' failed after Enabling Security
AMBARI-5075	BUG-11597	Receiving incorrect confirmation prompt when trying to add compone
AMBARI-5073	BUG-14861	After upgrading Ambari from 1.4.1 to 1.5.0 - restart commands fails w
AMBARI-5069	BUG-14883	Restart button on host details page doesn't have confirm popup
AMBARI-5066	BUG-14827	Ambari Upgrade Test, restart HBase, HBase Client Install failed
AMBARI-5065	BUG-14363	Rolling restart should also handle clients on the same machine as the r
AMBARI-5061	BUG-14843	Ambari Upgrade Test, upgrade stack command failed
AMBARI-5048	BUG-14677	Host Details page: When adding slaves, INIT state is shown as "Unknow
AMBARI-5046	BUG-14779	webHcat start fails in secure cluster
AMBARI-5040	BUG-14578	2-way auth fails when using jdk7
AMBARI-5031	BUG-13608	gmetad/gmond left in init after install
AMBARI-5024	BUG-12678	NameNode HA Wizard can get stuck on the Finalize page
AMBARI-5020	BUG-14305	Lost heartbeat on host but ganglia shows a heartbeat lost
AMBARI-5018	BUG-14617	Rolling restart should work on a Service that is in MaintMode
AMBARI-5007	BUG-14102	HDP 2.0.6 stack services should be .2.0.6, not .2.1.1
AMBARI-5006	BUG-14604	HDFS warning should not include Gluster
AMBARI-5004	BUG-14466	Many YARN configs are duplicated in MR2 configs
AMBARI-4999	BUG-14000	Ambari should allow at least 3 yarn containers on a one-node installati
AMBARI-4971	BUG-14419	Ambari Web UI broke after manually navigating to SQOOP configs pag
AMBARI-4970, AMBARI-4984	BUG-14388	Clicking on a running app on jobs page continues to stay on the same
AMBARI-4961	BUG-14307	Decommission of NodeManager failed after enabling security
AMBARI-4956	BUG-13668	Installing clients failed after adding services
AMBARI-4954	BUG-14260	After configuring NNHA, nn process alerts don't work
AMBARI-4948	BUG-14189	Override of multi-line log content property doesn't preserve newlines
AMBARI-4947	BUG-14328	Change Hive alerts to move away from Hive metadata queries to port
AMBARI-4946	BUG-14457	Installer wizard: Error handling for failed Start all services call
AMBARI-4944	BUG-12217	Logs do not give the full picture of steps executed
AMBARI-4939	BUG-13666	Ganglia alerts after adding YARN+MR2
AMBARI-4938	BUG-13507	Configs are not applied if site has empty properties
AMBARI-4929	BUG-10570	Unable to modify TaskTracker Xmx (hadoop-env.sh) via Ambari UI
AMBARI-4927	BUG-13264	Decommissioned data node allows decommissioning with NN HA enab
AMBARI-4916	BUG-14214	'Start All' button is enabled if all services are started

AMBARI-4914	BUG-13463	HBase Service Check failed after adding HBase service
AMBARI-4905	BUG-14272	Restart all on HDFS fails (Ambari DB: mysql)
AMBARI-4895	BUG-14234	License header is repeated in oozie-log4j.properties
AMBARI-4894	BUG-12988	Allow upgrade stack to take a url as parameter for a local repo change
AMBARI-4882	BUG-13637	Bulk Ops: decommissioning a slave component on multiple hosts silent
AMBARI-4878	BUG-14174	On a retry all the install commands succeed but the status of one of the
AMBARI-4877	BUG-14133	Command "sudo su -l hdfs -c 'hdfs zkfc -formatZK'" has failed during en
AMBARI-4872	BUG-14042	Nagios alerts are not shown on SUSE
AMBARI-4871	BUG-14111	All JMX metrics are not working on the UI - the metrics are not showing
AMBARI-4868	BUG-14007	HBase install with custom user name does not work properly
AMBARI-4867	BUG-14059	Add Host: deleted hosts handled as installed
AMBARI-4847	BUG-12860	Warning doesn't appear after changing Hadoop user group in Misc tab
AMBARI-4843	BUG-13828	Ambari DDL for MySQL should not create ambarirca database
AMBARI-4837	BUG-13876	Do not show Admin > Access section on non-2.1 Stack
AMBARI-4836	BUG-14039	Hbase service check fails on Security with camel hostnames
AMBARI-4835	BUG-14025	Cannot specify config properties whose names contain asterisks when
AMBARI-4823	BUG-13910	Start Services failed on Save and Apply Configuration step of Enable Se
AMBARI-4822	BUG-13594	"Host Actions" button is disabled on host detail page when heart beati
AMBARI-4795 , AMBARI-4811	BUG-13872	Bulk Decom or Stop of RS does not work
AMBARI-4793	BUG-13448	Pig Service Check failed after disabling security on non preconfigured c
AMBARI-4787	BUG-13801	/var/lib/hadoop-hdfs/ location does not has +x permission for others
AMBARI-4780	BUG-12919	ambari-agent conflicts with python-jinja2
AMBARI-4778	BUG-9152	Nagios reports a Host as down when it is actually up
AMBARI-4777	BUG-13567	Restart indicators work incorrectly after adding component
AMBARI-4760	BUG-13749	Client-only services transition to the STARTED state
AMBARI-4758	BUG-13534	Failure tolerance parameter doesn't seem to work for Rolling Restarts
AMBARI-4755	BUG-13626	HIVE_AUX_JARS_PATH in hive-env.sh points to nonexistent hcatalog-c
AMBARI-4742	BUG-13297	Ambari Server logs has messages like component not found and stack
AMBARI-4731	BUG-13617	After upgrade to 1.4.4, create config group fail with error: 500(Excepti
AMBARI-4726	BUG-12959	Hbase HA testing: quick links wrong msg if no active master
AMBARI-4713	BUG-13597	Nagios and Hive fails, when password is numberonly
AMBARI-4708	BUG-13372	Actual configs not updated after restart of host component
AMBARI-4696	BUG-13524	Deprecation warnings show up in stderr because of using sets in Gangl
AMBARI-4695	BUG-13485	When in Decommissioned" state and Maint, icon shows orange, not m
AMBARI-4684	BUG-12969	Password with special symbols cause deploy fail
AMBARI-4682	BUG-13458	Customize Services page of Add Service Wizard offers to customize alr
AMBARI-4680	BUG-13506	Hive Metastore install failed during install cluster
AMBARI-4677	BUG-13456	Added property to zoo.cfg for ZooKeeper service disappears after click
AMBARI-4663	BUG-11285	Queue ACLs configuration names are wrong
AMBARI-4661	BUG-13309	Oozie service check fails in secure cluster
AMBARI-4653	BUG-7322	Prevent deleting all users
AMBARI-4651	BUG-13393	Proxy have some problems with POST,PUT requests when passing xml
AMBARI-4637	BUG-13096	The user is not always redirected to the login page when unauthenticat
AMBARI-4635	BUG-12792	"SNN Process" alert displays after HA enabled successfully
AMBARI-4626	BUG-13157	"Capacity Scheduler" section in Ambari does not allow ACL value of "us
AMBARI-4621	BUG-13126	It's possible for host components to get stuck in installing state.
AMBARI-4608	BUG-13337	Medkit icons are shifted out of their places, in hosts table in Safari.

AMBARI-4600	BUG-13243	Remove -jce-policy from warning statement
AMBARI-4599	BUG-11953	Temporary directory does not get created during HBase client installat
AMBARI-4574	BUG-12328	Upon restart of ambari-server, the service status on Dashboard page re
AMBARI-4555	BUG-12127	Nagios alert for NN process fails if Port is changed
AMBARI-4554	BUG-13178	HBase service check fails on secure cluster
AMBARI-4552	BUG-13160	OOS status for component on host detail page makes button too big
AMBARI-4499	BUG-12763	Add support for marking hbase RS instances as DRAINING before deco
AMBARI-4497	BUG-11578	Hive check execute fails after upgrading from BWGA
AMBARI-4490	BUG-12238	If Ganglia is not installed, server logs hundreds of error messages
AMBARI-4487	BUG-12936	When logging certain operations, need to mask sensitive properties
AMBARI-4482	BUG-12898	We should set content type(do encoding), for data in body. URLStream
AMBARI-4472	BUG-9827	Alerts for Ganglia monitor is shown only on the host with Ganglia serv
AMBARI-4459	BUG-12038	Not creating ambarirca database in MySQL DDL
AMBARI-4445	BUG-12764	Mark decommission host components as PASSIVE
AMBARI-4435	BUG-12536	Hadoop cluster alerts are not being communicated through TVI
AMBARI-4425	BUG-12186	Add upgradestack support for MySQL
AMBARI-4408	BUG-12590	Background operations dialog in weird state after exception
AMBARI-4401	BUG-12524	Schedule_request with failing batch forever stays in state SCHEDULED
AMBARI-4394	BUG-12223	Temporal Host metrics can get overwritten.
AMBARI-4354	BUG-11650	HostCleanup should also clean /tmp/hadoop-*
AMBARI-4306	BUG-12317	Request Schedule status not updated for Point in time execution requ
AMBARI-4300	BUG-12304	Service tab: growing number of calls to update alerts
AMBARI-4265	BUG-12168	Provide way to set http proxy for Ambari Server
AMBARI-4235	BUG-11920	Unnecessary ERROR logs
AMBARI-4213	BUG-11965	Master hosts are missing in Add Service wizard
AMBARI-4196	BUG-11932	Install Wizard: Service Config Group popup text does not show the ser
AMBARI-4186	BUG-11887	Global configs are not sent to server
AMBARI-4178	BUG-11862	*-log4j configs for zookeeper, pig and mapreduce services aren't put to
AMBARI-4162	BUG-4899	Ambari trying to setup namenode dirs on nfs mounted home dirs
AMBARI-4135	BUG-11832	Review page doesn't have info about Repositories
AMBARI-4100	BUG-3994	Chart not showing complete hour
AMBARI-4098	BUG-9147	Host pagination size not persisted between login/logout
AMBARI-4080	BUG-10110	During install, if you have install failures and click "retry", should clear f
AMBARI-4076	BUG-5587	Host list doesn't show masters at top
AMBARI-4074	BUG-11657	Ambari sets mapred.healthChecker.script.path and mapred.job.tracker
AMBARI-3636	BUG-10423	DatabaseVersion might be confusing
AMBARI-3537	BUG-9690	Allow log4j properties to be applied via the API in Ambari for hadoop/
AMBARI-3529	BUG-9594	Yarn+MapReduce installing
AMBARI-3508	BUG-9936	Multiple popups on the "Install, Start, Test" step
AMBARI-3507	BUG-9937	"Assign Slaves" step. Error with installed NodeManagers
AMBARI-3400	BUG-9394	When using ambari to install a cluster: /etc/hadoop/conf/log4j.proper
AMBARI-3245	BUG-7961	Incorrect behavior of dashboard graphs
AMBARI-2649	BUG-5696	After service is deleted, BE gets into inconsistent state when the servic
AMBARI-2150	BUG-4958	Update reassign deploy interface
AMBARI-1896	BUG-4965	Disable editing Capacity Scheduler on host configs
AMBARI-1878	BUG-4914	Host overrides functionality broken in wizard Step7 controller
AMBARI-1837	BUG-4865	Few core-site properties vanished after seemingly benign reconfigurati

4.2. Patch Information

Ambari 1.5.0 is based on Apache Ambari 1.5.0 and does not require any additional Apache patches to match the Apache code base.

4.3. Improvements

This release of Ambari 1.5.0 includes the following new features and improvements:

- Maintenance Mode
- Rolling Restarts
- Bulk Host Operations
- Service and Component Restarts
- Decommission TaskTrackers, NodeManagers, RegionServers
- Add Service
- Customize ZooKeeper Configs
- Refresh Client Configs
- Default JDK 7

4.4. Known Issues

In this section:

- Ambari does not support running or installing stacks on Ubuntu.
- The component version information displayed by Ambari is based on the Ambari Stack definition. If you have applied patches to the Stack and to your software repository, that component version might differ from the actual version installed. There is no functional impact on Ambari if the patch versions mismatch. If you have any questions on component versions, refer to the rpm version installed on the actual host.
- **BUG-24234:** Unable to start/stop services when using Oracle database for Ambari.

Problem: If you are using Oracle for the Ambari DB, you can run into a scenario when performing a start all/stop all where Ambari becomes unresponsive and the following ORA error is printed to the ambari-server log:

```
08:54:51,320 ERROR [qtp1280560314-2070] ReadHandler:84 - Caught a runtime
exception executing a query
Local Exception Stack:
Exception [EclipseLink-4002] (Eclipse Persistence Services - 2.4.0.
v20120608-r11652): org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLSyntaxErrorException: ORA-01795: maximum
number of expressions in a list is 1000
```

Workaround: Please upgrade to Ambari 1.6.1 and contact Hortonworks Support for a patch to apply.

- **BUG-16035:** yum Fails on Free Disk Space Check

Problem: If you boot your Hadoop DataNodes with/as a ramdisk, you must disable the free space check for yum before doing the install. If you do not disable the free space check, yum will fail with the following error:

```
Fail: Execution of '/usr/bin/yum -d 0 -e 0 -y install unzip' returned 1.
Error Downloading Packages: unzip-6.0-1.el6.x86_64: Insufficient space in
download directory /var/cache/yum/x86_64/6/base/packages
* free 0
* needed 149 k
```

Workaround: To disable free space check, update the DataNode image with a directive in /etc/yum.conf:

```
diskspacecheck=0
```

For more detailed instructions, see [the Ambari Troubleshooting Guide](#).

- **BUG-16012:** Ambari Agents may fail to register with Ambari Server during the “Confirm Hosts” step in the Cluster Install wizard when deploying HDP using Ambari 1.4.x or later on RHEL CentOS 6.5.

Problem: Agent logs show the following log entry, indicating the SSL connection between the Agent and Server failed during registration:

```
INFO 2014-04-02 04:25:22,669 NetUtil.py:55 - Failed to connect to
https://{ambari-server}:8440/cert/ca due to [Errno 1] _ssl.c:492:
error:100AE081:elliptic curve routines:EC_GROUP_new_by_curve_name:unknown
group
```

For more detailed information about this OpenSSL issue, see https://bugzilla.redhat.com/show_bug.cgi?id=1025598

Workaround: Upgrade the RHEL OpenSSL library to version 1.0.1 build 16. For more detailed instructions, see [the Ambari Troubleshooting Guide](#).

- **BUG-15604:** Ganglia restart fails to start Ganglia Monitor (gmond) on the first restart after upgrade to 1.5.0.

Problem: After upgrading Ambari from version 1.4.x to 1.5.0, the configuration files for the Ganglia Monitors (gmond-s) running on Ganglia Server (gmetad) are generated when Ganglia Server is started. This causes the monitor restart to fail if Ganglia Server is started after Ganglia Monitors, which in this case is the custom restart command.

Workaround: After upgrading Ambari 1.4.x to 1.5.0, restart Ganglia Server, twice if necessary.

- **BUG-15584:** Nagios service does not appear as a service that requires a restart if you change ports on services that it monitors.

Problem: STR (Example for MR2): Change `mapreduce.jobhistory.webapp.address` port. Restart all component (services) that have "restart icon". Important: Nagios does not display a "restart icon". Actual result: If Nagios did not restart, incorrect alerts would be displayed. Expected result: Nagios has "restart icon". Or, Nagios restarts automatically.

Workaround: Restart Nagios using the Ambari Web UI if you change any ports for any services.

- **BUG-15516:** MapReduce Service check fails on HDP 1.3.3 cluster with components assigned to non-default hosts.

Problem: When installing Ambari 1.5.0 and using HDP 1.3.3, adding a MapReduce client on a host where no HDFS Client exists may cause service check failures. This issue does not occur when upgrading to Ambari 1.5.0 on HDP 1.3.3.

Workaround: Add `HDFS_CLIENT` on the host where the service check fails.

- **BUG-15195:** A significant time lag occurs before Restart Indicators disappear after restarting.

Problem: Delays of up to a minute are possible, depending on cluster size.

Workaround: Wait thirty seconds, then refresh your browser.

- **BUG-14475:** Adding client components using Ambari does not work in a secure cluster.

Problem: In a RHEL 6/HDP 1.3.3/Ambari 1.4.4 secure cluster, customers cannot add webHCAT and other clients to an existing host. This prevents some features from working properly.

Workaround: No workaround for Ambari 1.5.0. Fixed and being tested for Ambari 1.5.1 release.