

Hortonworks Data Platform

Ambari Release Notes

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Hortonworks Data Platform : Ambari Release Notes

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1. Release Notes Ambari-1.6.0

RELEASE NOTES: Apache Ambari 1.6.0

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1.1. 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 RegionServ
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-ag 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/h
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
AMBARI-5655	BUG-17260	when no views, show "No Views"
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

1.2. 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.

1.3. Behavioral Changes

The Application Timeline Server (ATS) component of YARN configuration property changed with the HDP 2.1.3 release. If you install HDP 2.1.3 with Ambari 1.6.0, you must change the following YARN configuration property. Browse to **Ambari Web > Services > YARN Configs** and modify the following property:

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

Apache Jira: [Ambari-6012](#)

1.4. 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 .

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-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.
2. 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 $ARG6$
}
```

3. Restart ambari server.

```
ambari-server restart
```

4. 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:

1. Browse to Services > HDFS > Config > Custom `hdfs-site.xml`.
2. Add `dfs.namenode.checkpoint.txns` with the value 1000000.

** or other appropriate value; 1000000 is the default Ambari uses**

3. Save the configuration.
4. Restart HDFS.
5. 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.

2. 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](#)

2.1. 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 Ste
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 services
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

2.2. 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.

2.3. 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

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.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).

3. 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](#)

3.1. 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

3.2. 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.

3.3. 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

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-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.