Hortonworks SmartSense

Release Notes

Hortonworks SmartSense: Release Notes

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Table of Contents

List of Tables

1. SmartSense 1.4.2 Release Notes

The Release Notes include the following information for SmartSense 1.4.2:

- New Features [1]

- Fixed Issues [2]

- Known Issues [3]

1.1. New Features

SmartSense 1.4.2 includes the following **new features**:

Table 1.1.

HWX Jira	Description
ST-2778	When capturing Hive query data for support case troubleshooting you can specify a "Hive Query ID" to identify the job that needs troubleshooting. Refer to Capturing for Troubleshooting.
ST-2949	The **Recommendations History** page now includes pagination. To load the next page, click on **Load More**.
ST-2949	The **Recommendations History** page now includes a search bar, allowing you to filter the entries displayed.
ST-3098	The contextual information about the Account Name, SmartSense ID, Cluster Name, Number of Agents, and SmartSense Version was removed from the SmartSense View pages and added to the **About** section accessible by clicking on the ••• menu.
ST-2718	The **hst upgrade-ambari-service** command can now be used in a non-interactive mode. If you'd like to use this mode, specify the optional input parameters when executing the command. Refer to In-Place Upgrade with Ambari 2.5 and In-Place Upgrade with Ambari 2.4.
ST-2836	The **hst purge** command includes new options: • **hst purge -h <retention_days>**: All the bundles which are older than the number provided in retention days will be hard purged. • **hst purge -b <bundle_id>** : Hard purge the bundle whose ID was provided. Refer to Cleaning Up Old Bundles.

SmartSense 1.4.2 includes the following **improvements**, and **behavioral changes**:

Table 1.2.

HWX Jira	Description
ST-2734	Create get-gateway-details api which can be used for alerts.
ST-2754	Add a "captureCompletionTime" field for bundles to indicate when was bundle capture process finished.
ST-2785	Various UI improvements for SmartSense Ambari View.
ST-2790	Remove update config action on every capture; instead, do it only upon agent register.
ST-2907	In history, if a recommendation cannot be reverted, it should specify a reason for not being able to revert.
ST-2952	Remove some redundant messages during SmartSense 1.3.1 upgrade to 1.4.0.
ST-2965	Add ipv6 anonymization anonymization rule.
ST-2967	Add MAC address anonymization rule.
ST-2973	Use appropriate parsers instead of regex for all property-based anonymization rules.

HWX Jira	Description
ST-2977	Add back-off strategy for fetching a recommendation.
ST-2989	Various UI improvements for SmartSense Ambari View.
ST-2992	Upgrade gateway configs if not available during upgrade.
ST-2994	Add spacing between hive query button and tez dag dropdown.
ST-3033	Resolve de-anonymization concurrency issues.
ST-3065	Add ability to capture product specific custom information in metadata.
ST-3070	Unregister multiple hosts with a single click.
ST-3073	Collection Script: Support condition in the executor.
ST-3092	Highlight location of recommendation that was moved out from the list.
ST-3136	Format server messages appropriately.
ST-3206	Capture "HiveServer2 Interactive" component.
ST-3227	Collect Hive mysql_server component.
ST-3228	Capture and transform Amabari Infra service.
ST-3233	Collect spark and spark2 separately.
ST-3242	Create path for UpgradeService.

Additionally, SmartSense 1.4.2 introduces the following **documentation updates**:

Table 1.3.

HWX Jira	Description
ST-2701	The new Configuration Guidelines section describes configuration properties related to SmartSense components and provides tuning guidelines.

1.2. Fixed Issues

The following fixes have been implemented in SmartSense 1.4.2:

Table 1.4.

HWX Jira	Description
ST-2631	When check_command fails, the agent stops.
ST-2736	Discrepancies in bundle's "Created" and "Duration" when the bundle is in capturing/assembling state.
ST-2756	Process information report is not captured for some components.
ST-2772	Hive query capture fails in absence of dag_id.
ST-2826	Login on HST UI / port 9000 needs twice login.
ST-2837	Hitting Enter in any input field on the Capture page resets the page.
ST-2874	Already reopened recommendations can be reopened again and again.
ST-2878	When no recommendations are displayed, the page should not show the search box and "Recommendations as of" page elements.
ST-2886	Feedback is not storing the non-ascii characters properly in the DB.
ST-2896	"Recommendations" timezone is same as the browser timezone whereas "Get Latest" timezone is UTC.
ST-2897	During application capture, need to handle application of type YARN.
ST-2899	During application capture, need to handle PIG script properly in Hive query capture.
ST-2901	During application capture, basic validation is required for the type and id entered.
ST-2936	Anonymization by JSONPATH with conditions does not work.
ST-2936	Recommendations export takes too long to start download.

HWX Jira	Description
ST-2940	Warning message on the Recommendation details page needs formatting for empty values.
ST-2944	On the History page when feedback is entered, expanded recommendation gets collapsed.
ST-2945	Multiple pop-ups are displayed at same time when rating recommendations.
ST-2946	Rating and Feedback in a Recommendation item is updated even before submitting.
ST-2947	Feedback pop-up in the Recommendation History goes too far out to the right on the page.
ST-2948	Affected hosts border is missing in Recommendations History.
ST-2951	Recommendations cannot be reverted out of order.
ST-2956	On the Recommendation page, flickering of the page happens when closing the detail dialog box.
ST-2998	An IP address in the middle of other string is not getting anonymized.
ST-2999	Interpreter.json contain key 'phoenix.password' which is not anonymized.
ST-3000	Password anonymization might break the file format.
ST-3002	Incorrect SmartSense version is shown.
ST-3029	SmrtSense does not clear the stale lock and gets struck indefinitely
ST-3038	UI handles error codes incorrectly.
ST-3062	When all the recommendations are applied, history page is not available.
ST-3064	Bundle creation fails.
ST-3067	New anonymization rule is set only on HST server host.
ST-3094	HST application capture for Hive does not execute ApplicationInit for component collection.
ST-3095	If /etc/issue file is not present, it outputs "No such file or directory" in each of the hst commands. Also, it causes rule "os_dns_latency" to fail.
ST-3114	Recommendations not generated for NAT runs.
ST-3117	Load environment variables across bundle lifecycle.
ST-3121	Update the component picklist.
ST-3122	SmartSense remote command execution should be through 'captureschedule' API endpoint.
ST-3124	Change SmartSense handling of dfs.nameservices in HA environment.
ST-3150	Change log level of "No components collection required for service..." to DEBUG.
ST-3153	Get Latest Recommendations response page gets stuck.
ST-3192	Enabling SSL on HST server breaks SmartSense Ambari View.
ST-3200	Capture spec upgrade fails to merge application_diagnostics report.
ST-3201	Activity Explorer setting is not applied.
ST-3203	Upgrade failure on debian 7.
ST-3218	Tez CriticalPathAnalyzer consumes a lot of CPU and also generates lots of logs.
ST-3243	In some environments THP collection script is not working.
ST-3249	When gateway is enabled and it's embedded, false alert 'SmartSense Gateway is not-reachable' is generated.
ST-3261	Active namenode in HA should skip names which are not part of the current cluster.

1.3. Known Issues

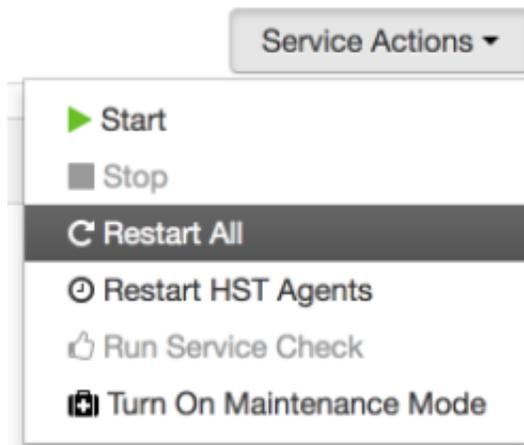SmartSense 1.4.2 has the following known issues, scheduled for resolution in a future release:

Issue 1: Activity Analyzer fails to start in Ambari 2.2.x.

Workaround: SmartSense 1.4.2 is not supported with Ambari versions earlier than 2.4. You must upgrade Ambari to version 2.4 or later.
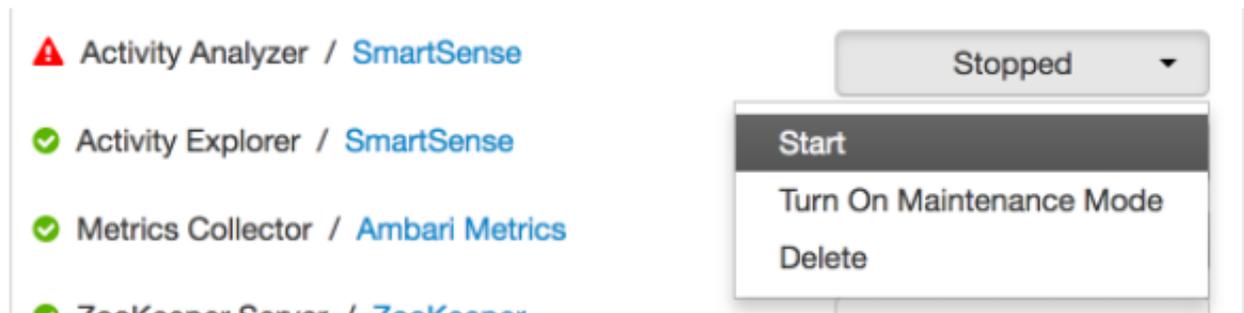
Issue 2: Activity Analyzer fails to start after upgrade from SmartSense 1.2.x to SmartSense 1.4.2.

Workaround:

1. On Ambari server host run `hst upgrade-ambari-service` as root user.

2. Restart all SmartSense components. You can do this by clicking on **Service Actions** and selecting **Restart All**:

If the **Restart All** option is disabled, start each SmartSense component individually:

Issue 3: In rare cases, SmartSense View may display the following error:

The SmartSense service is currently unavailable. Please make sure the SmartSense Server is up and running.

even though HST Server is up.

Workaround:

1. Log in to the Ambari View management UI as an admin user.

2. Delete SmartSense View instance and then create a new instance.