Hortonworks SmartSense

Release Notes

Hortonworks SmartSense: Release Notes

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1.1. Major Features and Changes

SmartSense 1.4.0 includes the following **new features**:

- A new "Recommendations" tab in the SmartSense View in Ambari, which allows you to:

    - Review recommendations without going to the Hortonworks Support Portal.

    - Apply recommendations automatically (where possible).

    - Track all configuration changes made when applying SmartSense recommendations.

    - Review and revert previously applied recommendations.

    - Export recommendations as an Excel spreadsheet.

    - Rate applied recommendations and view average customer rating for each recommendation.

    For more information, refer to Viewing SmartSense Recommendations.

- Capture for YARN applications, allowing you to capture data required for YARN app troubleshooting. Refer to Capturing for Troubleshooting.

- Capture for Hive queries, allowing you to capture data required for Hive query troubleshooting. Refer to Capturing for Troubleshooting.

- Scalability improvements.

- Redesigned anonymization rules. Refer to Configuring Data Anonymization Rules.

- Anonymization performance improvements, significantly cutting down capture time on large clusters and large datasets.

SmartSense 1.4.0 includes the following **behavioral changes**:

- In Ambari 2.5, SmartSense 1.4.0 is installed by default and the installation is mandatory (i.e. you cannot uncheck the box).

1.2. Other Features and Improvements

The following fixes have been implemented in SmartSense 1.4.0:

Table 1.1. Other Features

HWX Jira	Resolution Description
ST-2848	Add min heap config for Zeppelin
ST-2532	Integrate feedback feature with recommendation processing
ST-2455	Encrypted data transfer to SmartSense Gateway
ST-2409	Capture the Ambari Agent task logs
ST-2691	Automatically configure the SmartSense View properties
ST-2411	Capture the ambari-env for ambari-agent
ST-2404	Expose HST JVM options as config parameters
ST-2133	Support shared directory for HST agents
ST-1998	Add rules to validate Namenode and Datanode options for GC Optimizations

Table 1.2. Improvements

HWX Jira	Resolution Description
ST-2499	Log collection should collect only component specific log files
ST-2460	Standardize anonymization max heap in Ambari config
ST-2372	Support keytab file and principal lookup as part of the collection framework
ST-2217	Optimize data collection
ST-2513	Add e-mail addresses to anonymization rules
ST-2274	Make Activity Analyzer Heap size and JVM options configurable

1.3. Fixed Issues

The following fixes have been implemented in SmartSense 1.4.0:

Table 1.3. Fixed Issues

HWX Jira	Resolution Description
ST-2667	SmartSense won't install if HDFS is not installed
ST-2660	Incorrect account name formatting if it contains '&'
ST-2207	When there's a cyclic soft link in config, HST will fill the disk
ST-2972	HDFS Dashboard data issues
ST-2833	HST Server fails to start on a non-root Ambari environment with NN HA
ST-2716	Agent status command gets stuck for a long time
ST-2681	SmartSense hst capture overwrites root user credential cache
ST-2577	Remove additional S3 property values from core-site.xml
ST-2571	JaasConfParser parsing the .conf file when keyTab or principal is not passed
ST-2563	KMS SSL KEYSTORE PASS anonymization rule is configured incorrectly
ST-2555	SmartSense reports error on capture if the case number has zeroes in the front
ST-2549	Gateway startup fails when using a proxy

HWX Jira	Resolution Description
ST-2546	HBase is captured even when it's not installed
ST-2503	Host names are overlaying the 'Contains Logs' section
ST-2498	Point HST FE App to correct Ambari host list endpoint
ST-2229	SmartSense Analysis marks all services as containing diagnostic data
ST-1372	Partial bundle data on server should be auto cleaned

1.4. Known Issues

SmartSense 1.4.0 has the following known issues, scheduled for resolution in a future release:
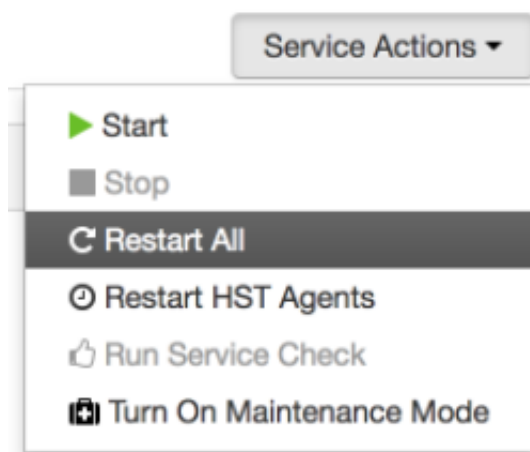
Activity Analyzer Fails to Start

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

Workaround: SmartSense 1.4.0 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 1.4.0.

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:

SmartSense Service is Currently Unavailable

Issue: 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.

1.5. Deprecated Features

The following features are deprecated in SmartSense 1.4.0:

- Using SmartSense without Ambari: manual install, manual uninstall, manual upgrade, using SmartSense without Ambari, manual configuration. This documentation has been marked as "Deprecated" and will be removed in the next release of SmartSense.

- SFTP-based gateway: If you are using an SFTP-based gateway, we recommend that you upgrade to an HTTPS-based gateway using the following steps.