SmartCell Insight™ Version 2.0.1

Release Notes

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SCI 2.0.1 Introduction

This document provides release information on SmartCell Insight (SCI) Release 2.0.1.

SmartCell Insight (SCI) is a Big Data analytics and reporting engine that provides deep visibility into the performance and operational statistics of your Ruckus Wireless WiFi infrastructure.

This document provides release information about the SCI features with notes on known issues, caveats, and workarounds

Additional documentation on SCI 2.0.1, including the SCI Installation Guide, and SCI User Guide can be found at: `https://support.ruckuswireless.com/`

Upgrading To This Version

If SCI version 2.0 is connected to the Internet navgiate to **Admin** > **Status & Update** to upgrade to SCI version 2.0.1. If SCI is not connected to the Internet, SCI 2.0.1 will be a fresh install.

SCI version 2.0.1 is a fresh install for an upgrade from SCI 1.x series. There is no direct upgrade path from SCI 1.x series. The existing data will need to be manually migrated from SCI 1.x series to SCI 2.0.1.

Data Migration From SCI 1.x

This section describes how you migrate existing data from SCI 1.x to SCI 2.0.1

As SCI 2.0.1 is built on a different software stack from SCI 1.x series, if there is a need to migrate existing data from SCI 1.x to SCI 2.0.1, a full migration of raw data files with complete re-aggregation of data sources is required. Ruckus Wireless recommends that you contact customer support (: `https://support.ruckuswireless.com/`), where a support engineer, assigned to you, will guide you through the migration process. However, do note that data migration is not necessary for the upgrade from SCI 1.x to SCI 2.0.1.

Before you start migration, ensure that you have the following pre-requisites and setup.

Prerequisites

- Existing production server should have a working installation of SCI 1.x version.
- The new production server should have a working installation of SCI 2.0.1 cluster.
- Set aside VM resources for the migration cluster.
- SCI 2.0.1 requires a higher storage capacity - 4 times higher than the raw data in SCI 1.x version in order to be fault tolerant. Adequate storage requirements are necessary before you begin migration.

Migration Cluster Setup

- The resource requirements, in terms of the number of nodes, vCPUs, RAM and storage are dependent on the total number of APs reporting to the SCI 1.x server. This also includes the number of days of data to be migrated. Example, 120 days of data or 365 days of data.

  NOTE Refer to the SCI 2.0.1 Installation Guide for system requirements.

- The SCI 1.x server, SCI 2.0.1 cluster and migration cluster should preferably be in the same network for connectivity (copying files, database access, SSH) or at least be accessible to one another without any firewall restrictions.
- SSH access to the SCI 1.x server is required.

Notes

- Domain and/or sub-domain data is not present in SCI 1.x version. This means that domains are not visible in the SCI 2.0.1 filter.
- Application report is not supported in SCI 1.x version.
- Time required for migration is dependent on the number of controllers, number of APs, number of days of data to be migrated, and the server resources allocated to the migration cluster.
- The production cluster continues to perform normally during the migration operation.
- It is possible for both version of SCI (SCI 1.x and 2.0.1) to collect data simultaneously from the controllers.

Supported Controller and AP Firmware Builds

This section lists the controller and AP firmware builds supported by SCI in this release.

SCI supports the following controller and AP firmware builds in this release. If you are running a build not included in this list, please update your controller/AP firmware to a supported build before connecting to SCI as a data source.

ZoneDirector

- ZD branch 9.5.3.0, build 45 and above
- All ZD branches starting from 9.7.0.0 and above

SmartZone (SmartZone and SmartCell Gateway)

NOTE As of release 3.1.1, all Ruckus controller products previously called “RuckOS” is now called “SmartZone” controllers. Therefore, the following applies to existing RuckOS products, which is called “SmartZone” (SmartZone 100, SmartCell Gateway 200 and Virtual SmartZone).

- SmartZone branch 2.1.1.0, build 126 and above
- SmartZone branch 2.1.2.0, build 96 and above
- SmartZone branch 2.1.3.0, build 20 and above
- All SmartZone branches starting 2.5.0.0 and above

SmartZone Access Points

- SZ AP FW branch 2.1.1.0, build 106 and above
- SmartZone branch 2.1.1.0, build 106 and above
- SmartZone branch 2.1.2.0, build 110 and above
- SmartZone branch 2.1.3.0, build 10 and above
- All SmartZone Access Point branches starting 2.5.0.0 and above

Resolved Issues

This section lists previously known issues that have been resolved in this release.

- Enforcement of licenses was inconsistent with the actual number of reporting APs.
- Line chart did not always show the circle marker on hover.
- Donut chart tool-tip was partially hidden.
- Sessions Summary or Overview was returning the error, "Cannot read property 'totalTraffic' of undefined".
- Duration of sessions did not extend beyond 30 minutes.

Caveats, Limitations and Known Issues

This section lists the caveats, limitations and known issues in this release, along with workarounds if applicable.

Airtime Utilization Statistics from ZoneDirector

- All versions of ZD below 9.13 have a known issue whereby the airtime utilization percentages can be above 100%.

  Workaround Ruckus Wireless recommends that you update ZD to version 9.13 or later to resolve this issue.

Reports and Dimensions

- The following reports and metrics in SCI 1.4 are temporarily not available in SCI 2.0. These will be added expeditiously over the next few minor releases.'
  - Reports
    - Inventory
    - Operational
    - Usage distribution and trends dashboard
  - Dimensions
    - AP location
    - AP description
    - AP model
    - RSSI (Received Signal Strength Indicator)
    - SNR (Signal to Noise Ratio)

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