



InformaCast Virtual Appliance Basic Paging Release Notes

InformaCast Virtual Appliance Basic Paging version 11.5.1 (InformaCast) is a popular IP broadcasting application for virtualized environments. These release notes document the compatibility requirements, new features, and known/resolved issues in the new version.

Compatibility

InformaCast is compatible with the following versions of Cisco Unified Communications Manager server (including Business Edition 6000): 9.0.1, 9.1.2, 10.0.1, 10.5.2, 11.0.1, and 11.5.1.

New Features

- **Improved Phone Activation Times During Broadcasts.** A new checkbox, **Create Telephony Terminals for all Phones**, has been added to the Broadcast Parameters page (**Admin | Broadcast Parameters**) that, when enabled, creates CTI terminals for all phones in the primary cluster, which can improve phone activation times during broadcasts. Every time InformaCast builds its phone cache, terminals will be created for any newly registered phones while terminals will be destroyed for phones no longer in the cache. Unified Communications Manager limits an application user to 10,000 devices. If your primary cluster contains more than 10,000 phones and you select the **Create Telephony Terminals for all Phones** checkbox, InformaCast will fall back to creating terminals on an as-needed basis.
- **New Parameter for API Browser Access.** InformaCast uses API services in its communication with Unified Communication Manager. In order for this communication to work properly, if you are using Unified Communications Manager 11.5.1 and later, you need to set your authentication method for API browser access to **Basic**.
- **New Call Detail Records Collection.** You can collect call detail records and set a retention period that will eliminate saved records older than the set period through a scheduled job that runs every day at 3:30 a.m. When configured, InformaCast creates a call detail record for every SIP call it receives or makes, e.g. calls made through DialCasts. InformaCast collects call data, such as changes to the call state and DTMF sent and received, as it interacts with a call and Unified Communications Manager. When the call ends, the collected data is written to an InformaCast directory accessible through the **Call Detail Records Directory** link on the Support page.

- **New SRTP Support.** For Unified Communications Managers 10.x and later in mixed mode, InformaCast now supports SRTP packets in unicast streams. SRTP provides encryption, message authentication, integrity, and replay protection for RTP packets. With the addition of SRTP support, InformaCast is interoperable with Unified Communications Manager in FIPS and FedRAMP modes. If you were previously using SIP and you had configured it to work with TLS, you will need to select the **Secure Signaling Required** checkbox on the SIP Call Security page before any InformaCast features using SIP will work.
- **Improved Logging for the SIP Stack.** The SIP Stack log (available by going to **Help | Support**) has been improved to log the message body of SIP requests along with the headers that were already being monitored. This more robust logging can further aid in troubleshooting various SIP issues.
- **New CTI Connection Information.** InformaCast's Overview page has a new table column, CTI Provider, that lists the Unified Communications Manager with which it has established a connection. If no connection has been established, "DISCONNECTED" will appear.
- **Newly Supported Phone.** InformaCast now supports the 8851NR Cisco IP phone model.
- **New Operating System.** The Virtual Appliance is now running an updated operating system that includes the latest bug fixes and security patches.
- **New Upgrade File.** A new file (CiscoPagingServer_11.5.1.deb) has been added to the upgrade process. Depending on the version of InformaCast Virtual Appliance from which you are starting, you will install different package files:
 - For 8.3 or 8.4 versions to the current version, you will install three package files (CiscoPagingServer_8.5.1.deb, CiscoPagingServer_9.1.1.deb, and CiscoPagingServer_11.5.1.deb)
 - For 8.5.1, 9.0.1, or 9.0.2 to the current version, you will install two package files (CiscoPagingServer_9.1.1.deb and CiscoPagingServer_11.5.1.deb)
 - For 9.1.1, 11.0.1, 11.0.2, or 11.0.5 to the current version, you will install one package file (CiscoPagingServer_11.5.1.deb)

InformaCast Virtual Appliance 8.5.1 and 9.1.1 are waypoints in the upgrade process. For 8.3 or 8.4 versions of the Virtual Appliance, you must upgrade to 8.5.1, reboot the Virtual Appliance, upgrade to 9.1.1, reboot the Virtual Appliance, and then continue to upgrade to 11.5.1. For 8.5.1, 9.0.1, or 9.0.2 versions of the Virtual Appliance, you must upgrade to 9.1.1, reboot the Virtual Appliance, and then continue to upgrade to 11.5.1. For 9.1.1, 11.0.1, 11.0.2, and 11.0.5 versions of the Virtual Appliance, you can upgrade directly to 11.5.1.

Resolved Issues

Establish CTI Connections After InformaCast's Initialization. In previous versions of InformaCast, CTI connections were being established while InformaCast was still initializing. This could cause problems if calls arrived during initialization because InformaCast was not prepared to start broadcasts. CTI connections are now established after InformaCast initializes, which solves the issue.

Resolved Caveats

CDETs ID	Title
CSCux54435	Remove SSLRC4 Cipher Suites
CSCux97095	InformaCast and CVE-2016-0777 and CVE-2016-0778
CSCuy36612	Evaluation of informacast for glibc_feb_2016
CSCuy54654	Evaluation of informacast for OpenSSL March 2016
CSCuz52548	Evaluation of informacast for OpenSSL May 2016