Release Notes for Cisco Connected Grid Device Manager, Release 3.1

Part Number: OL-28984-03
First Published: March 2013
Last Updated: June 2013

Cisco 1000 Series Connected Grid Routers (Cisco CG-OS routers or CGR 1000) are multi-service communications platforms designed for use in field area networks.

The portfolio consists of two models–Cisco CGR 1240 and Cisco CGR 1120–both ruggedized to varying degrees for outdoor and indoor deployments. Both models are modular and support a wide-range of communications interfaces such as 2G/3G, Ethernet, and WiFi.

The Cisco Connected Grid Device Manager (Device Manager) is a Windows-based application that field technicians can use to manage the Cisco CG-OS Router remotely. For some activities, the Device Manager retrieves information from the Cisco Connected Grid Network Management System (Cisco CG-NMS).

The Device Manager connects to the Cisco CG-OS Router by using a secure Ethernet or WiFi link.

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New Features

Table 1 lists the new features added in Cisco Connected Grid Device Manager, Release 3.1.

For configuration details for the features highlighted in Table 1, refer to the Cisco Connected Grid Device Manager Installation and User Guide, Release 3.1.

Note Please refer to "Important Notes" section on page 3 before installing this software.

Table 1 New Feature Summary for CG-DM Release 3.1

Feature	Description
Support for 1.4 GHz on WiMAX module	Device Manager detects and displays the 1.4 GHz band on the WiMAX module. The frequency band of the WiMAX module displays on the At a Glance page. You can add and remove WiMAX modules by using the existing Manage Modules page.
WiMAX Diagnostics	To assist in WiMAX module installation and deployment, Device Manager displays statistics such as RSSI, CINR, and other WiMAX module information. In addition, the WiMAX module details page provides an option to reload the module in case of hardware failures, crashes and hangs.

System Requirements

Microsoft Windows 7 Enterprise

2 GHz or faster processor recommended

1 GB RAM minimum (for potential large log file processing)

WiFi or Ethernet interface

4 GB disk storage space

Windows login enabled

PFX file containing Utility-signed Certificate Authority (CA) and Client Certificate for router authentication (obtained from your IT department)

Important Notes

Data Reentry Required After Upgrade From Release 1.x to 3.x

You must reenter data after upgrading from Device Manager release 1.x to release 3.x, due to changes made in the software to support new features and the structure of data for enhanced security.

Specifically, you must reenter data related to Test Connectivity, Change Configuration, and Update Image tasks after you upgrade from release 1.x to 3.x.

Caveats

Open Caveats

- **CSCub00167**

  Symptom: When an Update Image attempt on a CGR 1000 failed, the CGR 1000 returned an improper error message that was unknown to the Device Manager user.

  Conditions: All conditions.

  Workaround: There is no workaround.

- **CSCub16913**

  Symptom: In rare circumstances, when a Device Manager cannot access a specified CGR 1000 over Ethernet due to repeated failures and retry attempts by the user, the Device Manager might attempt to connect to a different, known CGR 1000 with cached WiFi credentials.

  Conditions: The following conditions exist:

  - Work Authorization is not in use
  - Another CGR 1000 that had a previous successful connection over WiFi, was still in range
  - Ethernet connection experienced repeated failures and retry attempts by the user

  Workaround: There is no workaround.

- **CSCuc32604**

  Symptom: After a successful connection to the CGR 1000 router, the status bar might incorrectly indicate a certificate error.

  Conditions: Issue occurs when the Device Manager starts up with an invalid certificate although the user has imported the correct certificate. The Device Manager connects successfully; however, a stale certificate error message persists.

  Workaround: Close and relaunch the Device Manager.

- **CSCuc37232**

  Symptom: The Device Manager might indicate a connection error when switching from a WiFi to Ethernet connection right after the Ethernet interface is brought up.

  Conditions: The connection error might occur during an application-intensive operation such as performing an interface refresh.

  Workaround: If the connection error persists, then close and relaunch the Device Manager.

- **CsCue69169**

  Symptom: WiFi connectivity fails after successful image upgrade. The issue is intermittent and seems to be related to laptop settings rather than a timeout issue on the CGR.

  Conditions: Connection via WiFi.

  Workaround: When this problem occurs, please do the following:

  1. Ensure that you set the laptop WiFi parameters; and, that the WiFi parameters of the CGR match.

  2. Verify that the CGR WiFi interface works by connecting a laptop to the CGR.

  3. Make sure that the CGR WiFi has a strong signal (RSSI).

  4. Make sure that the laptop is not under other third-party tool control (such as Intel, Atheros or Broadcom). Usually you can configure the laptop not to be under third-party control.

  5. Verify that the laptop WiFi profiles are not being managed by a WiFi utility, which always sets priority for SSID scanning.

- **CSCuh47164**

  Symptom: The **show env power** command returns an empty string to the Device Manager (CG-DM); and, the Manage Interfaces page of the Device Manager does not display any interfaces.

  Conditions: Occurs when the CGR that the Device Manager is querying, is drawing power from its BBU.

  Workaround: There is no workaround.

Related Documentation

See all support documentation for Cisco 1000 Series Connected Grid Routers at:

www.cisco.com/go/cgr1000-docs

See all support documentation for Cisco Connected Grid Modules at:

www.cisco.com/go/cg-modules

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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This document is to be used in conjunction with the documents listed in the "Related Documentation" section.