Release Notes for Cisco Connected Grid Device Manager, Release 3.0

Part Number: OL-28195-01
Last Published: October 2012

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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Contents

This document contains the following sections:

New Features

Table 1 lists the new features added in Cisco Connected Grid Device Manager, Release 3.0.(0.225).

For configuration details for the features highlighted in Table 1, refer to the Cisco Connected Grid Device Manager Installation and User Guide, Release 3.0.

Note Please refer to "Important Notes" section on page 4 before installing this software.

Table 1 New Feature Summary for CG-DM Release 3.0

Feature	Description
Add and remove modules	The Manage Modules page provides a wizard that guides you through the process of adding or removing 3G and WiMAX modules. Manage Modules is a new option on the At a Glance page.
Certificate import enhancement	You can now import certificates through the Device Manager by employing the Setup wizard or by command line. The application launches the Setup wizard when either the user clicks the Setup icon or when the certificate is not detected.
Non-admin Privilege	You no longer need to have administrator privileges on your Microsoft Windows user account to perform tasks with the Device Manager.
Role-based Access Control (RBAC)	As a user, you can be assigned up to four different types of roles that manage your access to operational and management functions on the Device Manager. • When the Device Manager is operating in non-NMS mode, user access is managed by the assigned certificate extension OID. • When the Device Manager is operating in NMS mode, user access is managed by the role assigned in the Work Authorization. The Device Manager displays or restricts features based on your assigned role.
Work Authorization	You can view and update Work Authorization requests on the Device Manager when you are connected to a Cisco CG-NMS. You can also connect to a Cisco CG-OS router by enabling the work authorization capability on the router to provide solution-level security. Using the CG-NMS, a supervisor creates the work authorization and defines its specifics such as user name, user role, start and end time, and router ID.

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 3.0

You must reenter data after upgrading from Device Manager release 1.x to release 3.0, 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 3.0.

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.

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.