Release Notes for Cisco Connected Grid Device Manager (Cisco IOS), Release 4.0

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Cisco 1000 Series Connected Grid Routers (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 CGR 1000 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 CGR 1000 by using a secure Ethernet or WiFi link.

This version of Device Manager supports Connected Grid devices that run Cisco IOS. All the features supported in the previous version of Device Manager are also supported in this version. The previous version of Device Manager that runs on CG-OS based CGR 1000 routers continues to support those routers. Both versions of Device Manager can co-exist on the same laptop.

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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 4.0.

For configuration details for the features highlighted in Table 1, refer to the Cisco Connected Grid Device Manager Installation and User Guide (Cisco IOS), Release 4.0.

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

Table 1 New Feature Summary for CG-DM Release 4.0

Feature	Description
Cisco Connected Grid Device Manager (CG-DM) for CGR 1000 routers running Cisco IOS	First release. This release supports all the same features supported in CG-DM for CGR 1000 routers running CG-OS, and includes several enhancements: • Improved user interface (UI) design • Intuitive tooltips • Ability to view interface and module details in Dashboard (tooltips) • Option to view the application log • Troubleshooting wizard • Command history in Advanced tab

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

Device Manager 4.0 does not support CGR 1000 routers running CG-OS.

Caveats

This section addresses the open caveats in this release and provides information on how to use the Bug Toolkit to find further details on those caveats. This section includes the following topics:

- Open Caveats, page 3
- Accessing Bug Search Tool, page 6

Open Caveats

- **CSCun07445**

  Symptom: Current interface selection should be shown after Bring up.

  Conditions: Steps to reproduce:

  1. Launch Device Manager.
  2. Provide device credentials and login to Device Manager.
  3. Go to Interfaces and select an Interface (FE 2/7, which is in the middle of the Manage Device Interfaces table) for which Line Protocol and Administrative status is down.
  4. Click the **Bring up** button.
  5. Observe that the interface is still down and the current interface selection is set to the first interface row of the Manage Device Interfaces table. (FE 2/5, which is in the middle of the Manage Device Interfaces table).

  Expected Results:

  - After clicking **Bring up**, the interface status should be Up.
  - After clicking **Bring up**, the current interface selection should be shown (FE 2/7, which is in the middle of the Manage Device Interfaces table).

  Workaround: Clicking the Refresh button (left corner of the page) shows the current status of the selected interface.

- **CSCun56152**

  Symptom: Changing device type resets all the text.

  Conditions: Steps to reproduce:

  1. Launch Device Manager.
  2. Click **Connect Without Work Order**.
  3. Provide all credentials, such as Connection type, IP Address, Device username, and password.

4. Click on Device type and select a different device type.
5. Observe that changing the device type resets all the text to previous Connection credentials.

Expected results: Device type should not reset all the text to previous Connection credentials.

Workaround: There is no workaround.

- **CSCun86739**

  Symptom: Work orders—multiple row selections are not visible.

  Conditions: Steps to reproduce:

  1. Launch Device Manager and Click **Sync with CG-NMS.**
  2. Create a couple of work orders for different devices in CG-NMS and download the work orders.
  3. Observe that:
  a. You can select multiple work orders using the SHIFT key, but the selection of rows is not visible.
  b. The work order Start Date displays the time as 6.30 by default for each work order.
  c. When you click Connect Without Work Order or Override Work Order and give the wrong device credentials, after the Connection Error popup , the Connect To Device window is enabled to access.

  Expected results:

  – After multiple work order selection using SHIFT key, selection of rows is visible
  – The work order start time is the correct time (the work order created time).
  – Window modularity is not enabled (for step 3c).

  Workaround: There is no workaround.

- **CSCuo19151**

  Symptom: Sync with CG-NMS - IP address needs proper validation.

  Conditions: Steps to reproduce:

  1. Launch Device Manager and **Click Sync with CG-NMS** or **View CG-NMS Connection Settings**.
  2. Set the IP address to 468466 or any numbers and Click **Save**.
  3. Observe that the IP address is not validated when any numbers are given.

  Expected results: IP address needs proper validation in Sync with CG-NMS and View CG-NMS Connection Settings.

  Note: Same issue in Connectivity - Add Target - IP Address

  Workaround: There is no workaround.

- **CSCuo70656**

  Symptom: Uninstallation shows success for non-admin users even though CG-DM still exists.

  Conditions: Steps to reproduce:

  1. Install CG-DM as administrator user of machine (PC) and create a non-admin user.
  2. Login as non-admin user.
  3. Go to Programs and features and uninstall the CG-DM application.

4. Observe that instead of the administrator permission needed popup, the CG-DM uninstaller wizard appears and allows you to finish the uninstallation. After you click **Finish**, CG-DM is NOT uninstalled.

Expected result: CG-DM should not be allowed to show the unistaller wizard for non-admin users and should require administrator permission.

Workaround: Only admin users can uninstall Device Manager.

- **CSCuo71626**

  Symptom: Download Startup fails with "invalid cli command" (Error code: "BAD_PARAMETER").

  Conditions: After clicking **Download Startup Configuration** button when connected under the cgdm-viewer account (level 2), CG-DM reported the following error:

  ```
  Unable to execute command(s). Reason: "invalid cli command" (Error code:
  "BAD_PARAMETER")
  ```

  A side note, the acronym "cli" should be all uppercase ("CLI").

  Workaround: There is no workaround.

- **CSCuo76229**

  Symptom: Modal issues in Test Connectivity and Connect To Device.

  Conditions: Steps to reproduce:

  1. Launch Device Manager and click **Connect**, **Connect Without Work Order** or **Test Connectivity** in Sync with CG-NMS or Import Certificate.
  2. Provide the wrong credentials in CG-NMS Connection Settings and click **Test Connectivity**.
  3. Observe that you can access the Sync with CG-NMS dialog when there is success or failure.

  Expected results: The modal issues should be resolved with respect to the success or failure popup message.

  Note: The same issue exists with Connect To Device, Override Work Order, and Import Certificate success or fail popup message. You can access the Connect To Device window.

  Workaround: When there is an active popup window, do not access the background window.

- **CSCuo92833**

  Symptom: After Cancel, CG-NMS Connection Settings dialog is not retrieved.

  Conditions: Steps to reproduce:

  1. Launch Device Manager and click **Sync with CG-NMS**.
  2. Provide all the credentials and click **Test Connectivity**.
  3. If Test Connectivity is successful, click **OK**.
  4. In the CG-NMS Connection Settings dialog, do not click **Save** and click **Cancel**.
  5. Click **Sync With CG-NMS** again.

  Actual Results:

  – Observe that the **Sync with CG-NMS** button does not display the CG-NMS Connection Settings dialog.

  – If you select **Change CG-NMS Connection Settings** in the settings menu, you can view the password, even though you click **Cancel** and not **Save** in the CG-NMS Connection Settings dialog.

Expected results:

- After Test Connectivity is successful, even if you do not click **Save** in the CG-NMS Connection Settings dialog, the dialog should be displayed when you click **Sync with CG-NMS** again.
- If CG-NMS Connection settings are not saved, the password should not be displayed in the Change CG-NMS dialog.

Note: This issue occurs only if Test Connectivity is successful and on a fresh install (no storage).

Workaround: Select **Change CG-NMS Connection Settings** in the settings menu. You can view the password and change the settings again.

Accessing Bug Search Tool

You can use the Bug Search Tool to find information about caveats for this release, including a description of the problems and available workarounds. The Bug Search Tool lists both open and resolved caveats.

To access Bug Search Tool, you need the following items:

- Internet connection
- Web browser
- Cisco.com user ID and password

To access the Bug Search Tool, enter the following URL:

https://tools.cisco.com/bugsearch/search

To access the Bug Search Tool to search on a specific caveat, enter the following URL:

https://tools.cisco.com/bugsearch/search/<BUGID>

Accessing Error Message Decoder

You can look up explanations for console error message strings found in system logs at the following location:

http://www.cisco.com/en/US/partner/support/tsd_most_requested_tools.html

Related Documentation

- Cisco Connected Grid Device Manager Installation and User Guide, Release 4.0
- All support documentation for Cisco 1000 Series Connected Grid Routers: www.cisco.com/go/cgr1000-docs
- All support documentation for Cisco Connected Grid Modules: www.cisco.com/go/cg-modules

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

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