Release Notes for Cisco Connected Grid Device Manager Version 1.0

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Introduction

Cisco Connected Grid Device Manager is an advanced application used to communicate with Cisco 1000 Series Connected Grid Routers. The Device Manager stores configuration information of each registered router, displays data, and manages individual routers through remote, secure communications.

The Device Manager uses a secured Ethernet or WiFi link to connect to a managed router for first time deployment or troubleshooting. This tool enables Field Technicians to manage routers remotely. The Device Manager restores configuration, reboots the managed router, and uploads an image to a router.

System Requirements

- Microsoft Windows XP (Service Pack 3) or Windows 7 with IPv6 enabled on network adapters

- 2 GHz or faster processor recommended

- 1 GB RAM minimum (for potentially large log file processing)

- WiFi or Ethernet interfaces

- 4 GB disk storage space

- Windows login enabled

- Utility-signed Certificate Authority (CA) and Client Certificate for router authentication

Hardware Supported

Cisco 1000 Series Connected Grid Routers

Installation Notes

Before you can install the Device Manager, you must install the client identity and CA certificates in the laptop using the Device Manager.

Note: The router must be configured and deployed with the factory default software configuration, and must have the client identity and CA certificates installed, to communicate with Device Manager.

To install the certificate on the laptop used with Device Manager, take the following steps:

1. Contact your IT Department for the PKCS #12 formatted certificate, which should contain the client identity and CA certificates (along with the private key such as *Cisco123*).

2. Copy the certificate to the laptop, for example to the Desktop.

3. Double-click the certificate to open the Installation Wizard.

4. Enter the following information:

   — Protection Password

   — Unmark 'Enable strong private key protection'

   — Mark 'Include all extended properties'

   — Click **Next**.

5. Keep the default setting 'Automatically select the certificate store based on the type of certificate'. Click **Next**, accept warnings, and then click **Finish**.

6. Verify the client certificate in the Internet Explorer browser:

   ```
   IE browser\Tools\Internet Options\Content\Certificates\Personal
   ```

7. Verify the CA certificate in the Internet Explorer browser:

   ```
   IE browser\Tools\Internet Options\Content\Certificates\Trusted Root Certification Authorities
   ```

8. Delete the C:\ProgramData\Cisco\CGDManager folder. Run the Device Manager to automatically generate this folder, and then quit the Device Manager without any actions (to clean up any previous settings)

   Note: The installation directory for the Device Manager is hidden, by default. To view the installation directory, open an Explorer window, select Folder Options from the Tools menu, and then select the View tab. Select 'Show hidden files and folders', and then click **OK**.

9. Configure the C:\ProgramData\Cisco\CGDManager\CGDmanager.ini to specify which certificates to be used for https communication. If you do not know, check your client certificate at the IE browser (see above step). Look at the 'Issued To' field and assign this string to CERT_COMMON_NAME.

   ```
   [CGDM]
   CERT_COMMON_NAME=ConnGridDevMgr
   CA_COMMON_NAME=--AutoDetect--
   ```

   Note: Specify the CA_COMMON_NAME certificate, or leave it as '--AutoDetect--'.

10. If the .ini cannot be saved, this is due to non-native Windows 7 permission issues. Right-click the .ini file, select 'Properties\Security\Edit', select the user group, and set the permissions for that group to be 'Full Control'.

Related Documentation

- Cisco 1000 Series Connected Grid Routers

- Cisco 1000 Series Connected Grid Routers Software Configuration Guide Set

- Cisco Connected Grid Network Management System

- Cisco Connected Grid Modules for the CGR 1000 Series

This document is to be used in conjunction with the documents listed in the "Installation Notes" section.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.