



CHAPTER 1

Introduction

This chapter provides an overview of the Cisco Connected Grid Device Manager (Device Manager) and includes the following sections:

- [Overview, page 1-1](#)
- [Additional Information, page 1-4](#)

Overview

This section includes the following topics:

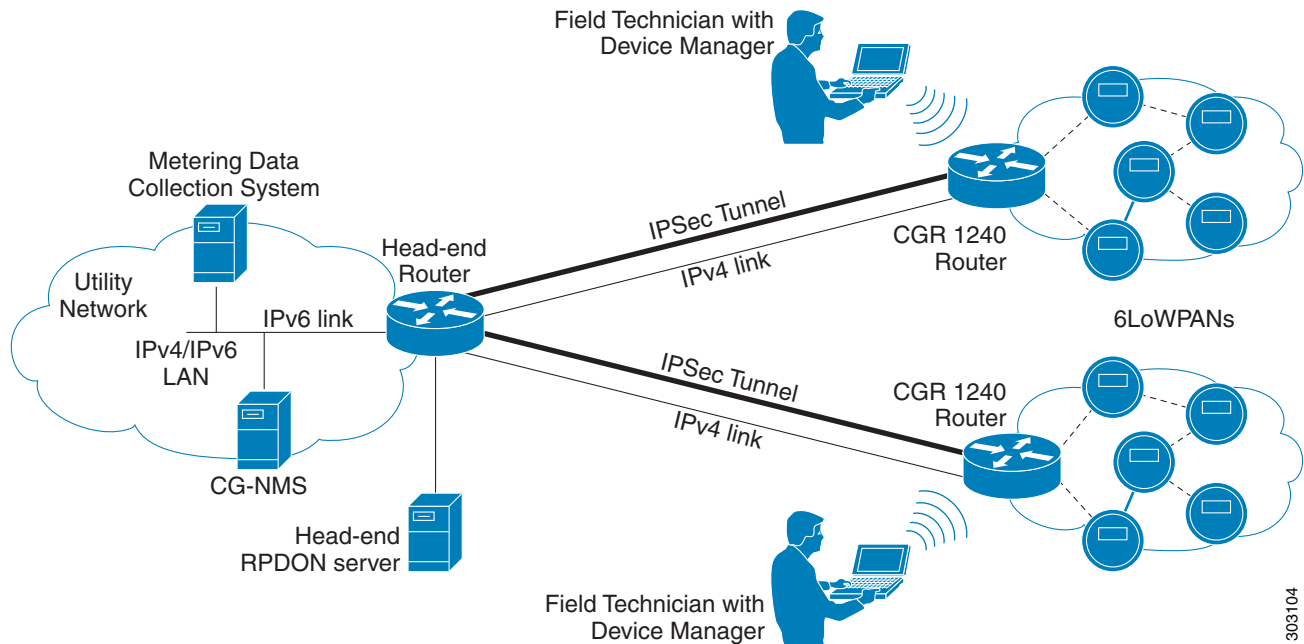
- [Application](#)
- [Tasks](#)

Application

The Cisco Connected Grid Device Manager (Device Manager) is a Windows-based application that field technicians can use to manage the Cisco 1000 Series Connected Grid Routers (CGR 1000) remotely. Cisco CG-NMS manages multiple CGR 1000 routers whereas the Device Manager connects and manages a single CGR 1000 at a time.

Cisco CGR 1000 routers 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.

Device Manager connects to the Cisco CGR 1000 by using a secure Ethernet or WiFi link. *See* [Figure 1-1](#)

Figure 1-1 *Device Manager Application Within a Connected Grid Network*

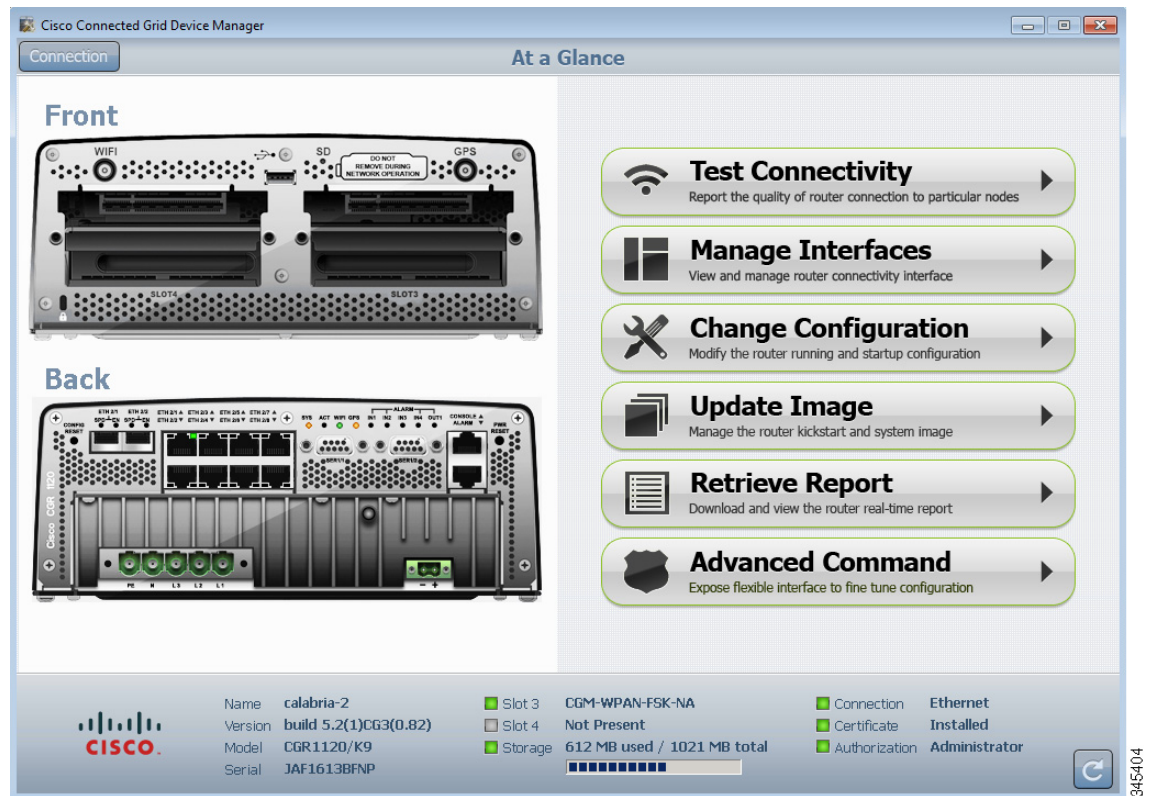
Tasks

The Device Manager enables you to:

- Troubleshoot connectivity between a CGR 1000 and the devices connected to the router.
See [Test Connectivity](#), page 3-6
- Bring up or shut down an CGR 1000 interface.
See [Manage Interfaces](#), page 3-11
- Check and update the current CGR 1000 configuration.
See [Advanced Command](#), page 3-23 and [Change Configuration](#), page 3-15
- Update the CGR 1000 image and reset the router.
See [Update Image](#), page 3-18
- View real-time CGR 1000 configuration information for troubleshooting.
See [Retrieve Report](#), page 3-21
- Use advanced commands to troubleshoot the CGR 1000.
See [Advanced Command](#), page 3-23

You initiate all tasks from the At a Glance page. See [Figure 1-2](#)

Figure 1-2 At a Glance Page for the CGR 1120



In addition to supported tasks (right-side), the At a Glance page provides a view of the CGR 1000 router to which the Device Manager is connected (left-side).

At the bottom of the page, you can find the following information:

- Name of the router
- Version of the software
- Model number of the CGR 1000
- Serial number of the CGR 1000
- Door status of the system casing, (Open or Closed) for the router (CGR 1240 only)
- Battery status, when an optional backup battery is installed (CGR 1240 only)
- Slots within the system and modules installed in those slots (CGR 1120 only)
- Storage status including amount of storage available
- Connection method of the Device Manager to the CGR 1000 (WiFi or Ethernet)
- Certificate status
- Authorization indicates the user role of the connected user



To refresh the At a Glance page, click the **Refresh** icon (lower right-side).

Additional Information

You can find configuration guides and release notes for Cisco 1000 Series Connected Grid products at:

www.cisco.com/go/cgr1000-docs