Cisco CGR2010 Ports Reference

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Introduction

This document describes the TCP and UDP ports that Cisco CGR2010 platform uses for applications and intranetwork communications.

Default Ports

Cisco CGR2010 has these ports enabled by default :

```
Router#show control-plane host open-ports
Active internet connections (servers and established)
Prot               Local Address             Foreign Address                 Service     State
 tcp                       *:23                          *:0                   Telnet    LISTEN


Router#
```

In case that SSH is enabled in the router, port 22 is open in the CGR 2010:

```
Router#show control-plane host open-ports
Active internet connections (servers and established)
Prot Local Address Foreign Address Service State
tcp *:22 *:0 SSH-Server LISTEN
tcp *:23 *:0 Telnet LISTEN
```

Use Nmap to verify the ports that are enabled in the router.

```
C:\Program Files (x86)\Nmap>nmap -sS -p1-10000 10.31.126.137
Starting Nmap 7.70 ( https://nmap.org ) at 2018-12-06 20:05 Central Standard Time (Mexico)
Nmap scan report for 10.31.126.137
Host is up (0.0054s latency).
Not shown: 9998 closed ports
PORT STATE SERVICE
22/tcp open ssh
23/tcp open telnet

Nmap done: 1 IP address (1 host up) scanned in 14.23 seconds

C:\Program Files (x86)\Nmap>
```

When a switch module is installed on the CGR2010, the router opens the ports 2003, 4003, 6003 and 9003. Take a look at the Table.

```
C:\Program Files (x86)\Nmap>nmap -sS -p1-10000 10.31.126.137
Starting Nmap 7.70 ( https://nmap.org ) at 2018-12-06 20:22 Central Standard Time (Mexico)
Nmap scan report for 10.31.126.137
Host is up (0.0067s latency).
Not shown: 9994 closed ports
PORT STATE SERVICE
22/tcp open ssh
23/tcp open telnet
2003/tcp open finger
4003/tcp open pxc-splr-ft
6003/tcp open X11:3
9003/tcp open unknown

Nmap done: 1 IP address (1 host up) scanned in 12.54 seconds

C:\Program Files (x86)\Nmap>
```

Table of Reverse Port Services

Service Name	Reserved Port Range
Normal Telnet	2000-2xxx
Raw TCP	4000-4xxx
Telnet Binary Mode	6000-6xxx
Reverse Xremote	9000-9xxx

This behavior is addressed in these CDETS: https://bst.cloudapps.cisco.com/bugsearch/bug/CSCsh95539