

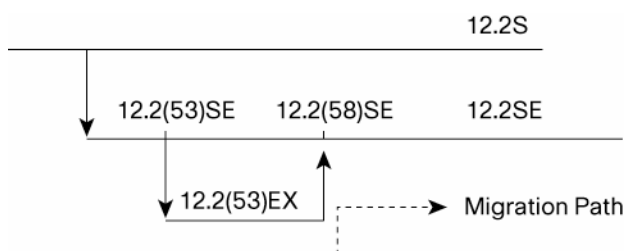
Cisco IOS Software Release 12.2(53)EX

PB608181

Cisco® announces new Cisco IOS® Software for Cisco 2520 Connected Grid Switches (CGS 2520s). These rugged switches are optimized for use in transmission and distribution (T&D) power substations. They are designed for substation networks to meet the harsh environments common in T&D substations. This product bulletin contains content and delivery information for Cisco IOS Software Release 12.2(53)EX.

The platform and features delivered with this ED release will be immediately incorporated into Cisco IOS Software Release 12.2(58)SE and subsequent Cisco IOS Software Release 12.2SE train releases. It is important to note that there are no planned maintenance releases for this ED release. In addition, please note the migration path to the latest S release. Customers should prepare to upgrade using the migration path shown in Figure 1.

Figure 1. Cisco IOS Software Release 12.2(53)EX Release Train and Migration Guide



New Features in Cisco IOS Software Release 12.2(53)EX

The features listed in Table 1 will be delivered in the initial release of Cisco IOS Software Release 12.2(53)EX.

Table 1. Cisco IOS Software Release 12.2(53)EX New Features

New Feature	Cisco 2520 Connected Grid Switch
Utility smart-grid SmartPort templates	X
Connected-grid swap drive	X
Modbus memory-map support	X

Please refer to the next section for documents that address details about these new features. Any ED release of software should be used first in a test network before being deployed in a production network.

Detailed Information

Utility Smart Grid SmartPort Templates

Utility-specific SmartPort templates are included that allow you to apply default global or interface-level macros with a recommended configuration. Then you can easily set up the switch in a configuration optimized for utility deployments. The SmartPort macros configure security, quality of service (QoS), and logging functions to enhance ease of use and minimize configuration errors.

Connected-Grid Swap Drive

The connected-grid swap drive feature allows for speed of replacement if a hardware failure occurs. If the unit needs to be replaced, you can unmount the unit and take out the swap drive and place it in a replacement unit. When you boot up, the new unit will take on the configuration of the previous unit, and the network is operational again with no reconfiguration required.

- This is an innovative feature in the market and solves a critical business problem when dealing with devices deployed in remote environments.

Modbus Memory-Map Support

Modbus memory-map support enables integration of the CGS 2520 with existing Modbus-based utility applications such as Human Machine Interface (HMI). System information as well as port information can be exposed to Modbus-based applications using Modbus memory maps.

For more detailed information about the platforms and features being delivered in Cisco IOS Software Release 12.2(53)EX, please visit: http://www.cisco.com/en/US/products/ps10144/prod_release_notes_list.html.

Additional information about the CGS 2520 is available at: <http://www.cisco.com/go/cgs2500>.

Support

Cisco IOS Software Release 12.2(53)EX follows the standard Cisco support policy as indicated in the following link: <http://www.cisco.com/warp/public/437/27.html>.

Product Numbers

Table 2 gives ordering information for the Cisco 2520 Connected Grid Switches.

Table 2. Ordering Information

Product Name	Part Number	Description
Cisco CGS 2520	CGS-2520-24TC	Rugged 24-10/100Base TX ports and two dual-purpose Gigabit Ethernet uplinks
Cisco CGS 2520	CGS-2520-16S-8PC	Rugged 16-Fast Ethernet (FE) SFP fiber ports + 8-10/100BaseTx/PoE ports, and two dual-purpose Gigabit Ethernet uplinks

Download Information

Customers can download Cisco IOS Software Release 12.2(53)EX from Cisco.com in the Software Image Library: <http://www.cisco.com/cisco/web/download/index.html>.



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