

Cisco ASR 1000 Embedded Services Processor 10G Non Crypto Capable New Feature

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The Cisco ASR 1000 Embedded Services Processor 10G Non Crypto Capable new feature includes:

- Embedded Services Processor (ESP) in which all encryption chips have been removed
- Encryption software is removed from the Cisco IOS XE Route Processor software subpackage.

Finding Support Information for Platforms and Cisco IOS and Catalyst OS Software Images

Use Cisco Feature Navigator to find information about platform support and Cisco IOS and Catalyst OS software image support. To access Cisco Feature Navigator, go to http://www.cisco.com/go/cfn . An account on Cisco.com is not required.

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Information About Cisco ASR 1000 ESP 10G Non Crypto Capable New Feature

For those users who are under export or import restrictions for strong encryption services products, the Cisco ASR 1000 ESP board (ASR1000-ESP10-N) without encryption is provided. This unrestricted product format, in which all encryption chips have been removed, can be provided in the Cisco ASR 1002, 1004, and 1006 Series Routers. Additionally, a Cisco IOS XE 2.2 image for this ESP is available that does not contain encryption software. Therefore, any Cisco ASR 1000 Series Router which contains the ASR1000-ESP10-N ESP board does not provide Secure Shell (SSH), Transport Layer Security (TLS), Secure Socket Layer (SSL), or IP Security (IPSec) encryption processes. All other functionality found in the Cisco ASR 1000 Series Routers remains the same.

The benefits of Cisco ASR 1000 ESP 10G Non Crypto Capable new feature are:

- Fully unrestricted network product that meets US export restrictions and any foreign security import restrictions.
- Users can obtain encryption processes of their own choosing.

Checking the ESP Board

You can verify the part number of your ASR 1000 Series Router ESP board in two ways:

- Look for the ASR1000-ESP10-N part number on the board itself, or
- Enter the **show platform** command as shown below:

```
Router# show platform
Chassis type: ASR1006
Slot      Type                State                 Insert time (ago)
--------- ------------------- --------------------- -----------------
0         ASR1000-SIP10       ok                    00:03:06
 0/0      SPA-5X1GE-V2        ok                    00:01:35
 0/1      SPA-8X1FE-TX-V2     ok                    00:01:35
 0/2      SPA-2XCT3/DS0       ok                    00:01:35
1         ASR1000-SIP10       ok                    00:03:06
 1/0      SPA-2XOC3-POS       ok                    00:01:35
 1/1      SPA-8XCHT1/E1       ok                    00:01:35
 1/2      SPA-2XT3/E3         ok                    00:01:35
R0        ASR1000-RP1         ok, active            00:03:06
F0        ASR1000-ESP10-N
   ok, active            00:03:06
P0        ASR1006-PWR-AC      ok                    00:02:06
P1        ASR1006-FAN         ok                    00:02:06
Slot      CPLD Version        Firmware Version
--------- ------------------- ---------------------------------------
0         06120701            12.2(33r)XNB
1         06120701            12.2(33r)XNB
R0        07082312            12.2(33r)XNB
F0        07051680            12.2(33r)XNB
```

Additional References

The following sections provide references related to the Cisco ASR 1000 ESP 10G Non Crypto Capable New Feature.

Related Documents

Related Topic	Document Title
Cisco ASR 1000 Series Routers software configuration information.	*Cisco ASR 1000 Series Aggregation Services Routers Software Configuration Guide* at http://www.cisco.com/en/US/docs/routers/asr1000/configuration/guide/chassis/asrswcfg.html

Related Topic	Document Title
Cisco ASR 1000 Series Routers hardware installation information.	*Cisco ASR 1000 Series Aggregation Services Routers Hardware Installation and Initial Configuration Guide* at http://www.cisco.com/en/US/docs/routers/asr1000/install/guide/chassis/asr1000hig.html
System message information for Cisco IOS XE software.	*System Messages for Cisco IOS XE* at http://www.cisco.com/en/US/products/ps9343/products_system_message_guides_list.html
Cisco IOS XE software configuration information.	*Cisco IOS XE Configuration Guides* at http://www.cisco.com/en/US/products/ps9587/products_installation_and_configuration_guides_list.html

Standards

Standard	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIB	MIBs Link
No new or modified MIBs are supported by this feature, and support for existing MIBs has not been modified by this feature.	To locate and download MIBs for selected platforms, Cisco IOS releases, and feature sets, use Cisco MIB Locator found at the following URL: http://www.cisco.com/go/mibs

RFCs

RFC	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature	—

Technical Assistance

Description	Link
The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies. To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds. Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.	http://www.cisco.com/techsupport