



Cisco 7600 Series Routers Troubleshooting Roadmap

This document roadmap provides links to the Cisco 7600 Series Router troubleshooting documentation that be accessed online.



Note

This document provides pointers only to Carrier Ethernet, Multicast, QoS, Broadband, Multiprotocol Label Switching and, Hardware troubleshooting information.

Documentation Survey

Is Cisco documentation helpful? Participate in the [Technical Documentation Ideas forum](#) to share your feedback.

Obtaining Technical Assistance

If you are unable to solve a problem on your own based on the solutions provided, contact the Cisco Technical Assistance Center (1 800 553-2447).

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Use this index as an online directory to quickly access troubleshooting documentation for c7600. This index includes these sections:

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Generic Troubleshooting

For information on basic troubleshooting, Boot Failure Recovery and IOS Upgrade, High CPU Utilization issues, refer the various troubleshooting links:

- [Cisco 7600 Series Troubleshooting Tech Notes](#)

Hardware Troubleshooting

The following guides cover the hardware troubleshooting information on the various router modules, ES+ line cards, ES20 line cards, Flexwans and Shared Port Adaptors.

Router Modules

For information on LED status, electrostatic discharge damage, site planning checklist, troubleshooting chassis, line boards, fan assembly and power supply cooling systems, installation and FPD image issues, chassis overheat conditions and power latch up, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Router Module Guide](#)
- [Cisco 7600 Series Router Module Installation Guide](#)
- [Cisco 7600 Series Router Installation Guide](#)

Router Supervisor Engine and Route Switch Processor

For troubleshooting RSP boards, Electrostatic Discharge Damage, Supervisor failures, back plane data corruption, front Panel LED status and controls, front-panel controls, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Router Supervisor Engine and Route Switch Processor Guide](#)

Ethernet Services Plus Line Cards

For information on line card diagnostics, troubleshooting online insertion, line board issues, line card states, using IOS event tracer, Onboard Failure Logging, and LED information, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Ethernet Services 40G Line Card Hardware Installation Guide](#)

- [Cisco 7600 Series Ethernet Services 40G Line Card Configuration Guide](#)

Ethernet Services 20G Line Cards

For information on line card diagnostics, troubleshooting online insertion, line board issues, line card states, using IOS event tracer, Onboard Failure Logging, and LED information, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Ethernet Services 20G Line Card Hardware Installation Guide](#)
- [Cisco 7600-ES20 Ethernet Line Cards Configuration Guide](#)

FlexWAN Module Line Cards

For information on the front panel LEDs, FPD image upgrades, preventing ESD discharge and diagnostic commands, refer the troubleshooting sections in these guides:

- [Cisco FlexWAN and Enhanced FlexWAN Modules Configuration Guide](#)
- [Cisco FlexWAN and Enhanced FlexWAN Modules Installation Guide](#)

SIP, SSC, and SPAs

For general troubleshooting information, diagnostic/debug/show commands, activation and deactivation of a SPA, refer the troubleshooting sections in these guides:

- Troubleshooting the Fast Ethernet and Gigabit Ethernet SPAs: [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)
- Troubleshooting the Serial SPAs: [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)
- Troubleshooting the ATM SPAs: [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)
- Troubleshooting the SIPs and SSC: [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)

Software Troubleshooting

Broadband

For information on troubleshooting scenarios for the broadband technology area, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Ethernet Services 40G Line Card Software Configuration Guide](#)
- [Cisco 7600 IOS Software Configuration Guide, Release 12.2SR](#)

Carrier Ethernet

For information on troubleshooting scenarios for the carrier ethernet technology area, refer the troubleshooting sections in these guides:

- [Cisco 7600-ES20 Ethernet Line Cards Configuration Guide](#)
- [Cisco 7600 Series Ethernet Services 40G Line Card Configuration Guide](#)
- [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)

Multicast

For information on troubleshooting scenarios for the multicast technology area, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Ethernet Services 40G Line Card Configuration Guide](#)
- [Cisco7600 IOS Software Configuration Guide, Release 12.2SR](#)

Multiprotocol Label Switching Virtual Private Network

For information on troubleshooting scenarios for the MPLS VPN technology area, refer the troubleshooting sections in these guides:

- [Cisco 7600 Series Ethernet Services 40G Line Card Configuration Guide](#)
- [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)
- [Cisco 7600 IOS Software Configuration Guide, Release 12.2SR](#)

Quality Of Service

For information on troubleshooting scenarios for the MPLS VPN technology area, refer the troubleshooting sections in these guides:

- [Cisco 7600-ES20 Ethernet Line Cards Configuration Guide](#)
- [Cisco FlexWAN and Enhanced FlexWAN Modules Installation Guide](#)
- [Cisco 7600 Series Router SIP, SSC, and SPA Software Configuration Guide](#)
- [Cisco 7600 IOS Software Configuration Guide, 12.2SR](#)
- [Cisco 7600 Series Ethernet Services 40G Line Card Software Configuration Guide](#)

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