Tools, Maintenance, and Troubleshooting Tips for Cisco IOS Software

Some sites require user registration for access. The sites for registered users are noted beside the link. Click here to become a registered user.

Tools:

You must log in to Cisco.com before accessing the following tools.

IOS Command Lookup Tool (available to registered Cisco.com users)
Search for commands in configuration guides and command references
- IOS Command Lookup Tool for Release 12.1

Error Message Decoder Tool (available to registered Cisco.com users)
Research and resolve error messages
Output Interpreter (available to registered Cisco.com users)
Generate output analysis of **show** commands and decode the stack trace generated by a router during a hardware failure
Software Advisor (available to registered Cisco.com users)
Compare Cisco IOS releases and determine which release supports your hardware
Software Bug Toolkit (available to registered Cisco.com users)
Search for known caveats by software version, feature set, and keyword
MIB Locator (available to registered Cisco.com users)
Obtain a list of MIBs included in a specific Cisco IOS release

Router and Cisco IOS Maintenance:

- How to Choose a Cisco IOS Software Release

- How to Copy a System Image from One Device to Another

- How to Protect Your System Against the Nimda Virus

- Capturing Text Output from Hyperterminal

- Xmodem Console Download Procedure Using ROMmon

- Software Installation and Upgrade Procedures

- Password Recovery Procedures

- Standard Break Key Sequence Combinations During Password Recovery

Understanding Error Messages:

- Troubleshooting Cisco IOS Software Scheduler-Related Error Messages

- What Causes %SYS-3-CPUHOG Messages?

- Spurious Accesses and Alignment Errors

Troubleshooting:

- Hardware Troubleshooting Index Page
- Troubleshooting Bus Error Exceptions
- Why Does My Router Lose Its Configuration During Reboot?
- Troubleshooting Router Hangs
- Troubleshooting Memory Problems - SYS-2-MALLOCFAIL
- Troubleshooting High CPU Utilization on Cisco Routers
- Troubleshooting Router Crashes
- Using CAR During DOS Attacks