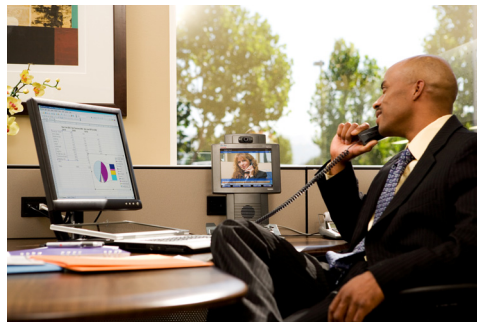




Troubleshooting

Revised: December 21, 2009

This chapter describes the **debug** commands you can use to troubleshoot your configuration.

The OIT [Output Interpreter Tool](#) (registered customers only) supports certain **show** commands. Use the OIT to view an analysis of **show** command output.



Note

See the [Important Information on Debug Commands](#) before you use **debug** commands.

See the [Cisco IOS Debug Command Reference](#) for more information.

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Baseline Troubleshooting Commands

- **debug aaa authentication**
- **debug bgp all events**
- **debug crypto gdoi**
- **debug crypto isakmp**
- **debug frame-relay events**
- **debug frame-relay lmi**
- **debug frame-relay packet**
- **debug h225 events**
- **debug ip inspect detailed**
- **debug ip inspect policy detailed**
- **debug ip ips category**

- **debug ip ips detailed**
- **debug ip ips function-trace**
- **debug ip ips idconf**
- **debug ppp multilink data**
- **debug ppp multilink events**
- **debug radius authentication**
- **debug qos cce**
- **debug qos events**
- **debug qos stats**

Voice Troubleshooting Commands

- **debug ephone detail**
- **debug sccp errors**
- **debug sccp events**
- **debug sccp keepalive**
- **debug sccp packets**
- **debug voice ccapi inout**
- **debug voice confmsp**
- **debug voice dsmp**
- **debug voice xcodemsp**
- **debug voip dialpeer**

Cisco WAAS Troubleshooting Commands

- **debug wccp events**
- **debug wccp error**