



# Troubleshooting

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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**

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

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

## Contents

- [Baseline Troubleshooting Commands, page 1](#)
- [Voice Troubleshooting Commands, page 2](#)
- [Cisco WAAS Troubleshooting Commands, page 2](#)

## 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`