

Monitoring Hosts Using the J-Web Ping Host Tool

Purpose Use the J-Web ping host tool to verify that the host can be reached over the network. The output is useful for diagnosing host and network connectivity problems. The switch sends a series of ICMP echo (ping) requests to a specified host and receives ICMP echo responses.

Action To use the J-Web ping host tool:

1. Select Troubleshoot>Ping Host.
2. Next to Advanced options, click the expand icon.
3. Enter information into the Ping Host page, as described in Table 1.

The Remote Host field is the only required field.

4. Click **Start**.

The results of the ping operation are displayed in the main pane. If no options are specified, each ping response is in the following format:

```
bytes bytes from ip-address: icmp_seq=number ttl=number time=time
```

5. To stop the ping operation before it is complete, click **OK**.

Table 1: J-Web Ping Host Field Summary

Field	Function	Your Action
Remote Host	Identifies the host to ping.	Type the hostname or IP address of the host to ping.
Advanced Options		
Don't Resolve Addresses	Determines whether to display hostnames of the hops along the path.	<ul style="list-style-type: none"> ■ To suppress the display of the hop hostnames, select the check box. ■ To display the hop hostnames, clear the check box.
Interface	Specifies the interface on which the ping requests are sent.	Select the interface on which ping requests are sent from the list. If you select any , the ping requests are sent on all interfaces.
Count	Specifies the number of ping requests to send.	Select the number of ping requests to send from the list.
Don't Fragment	Specifies the Don't Fragment (DF) bit in the IP header of the ping request packet.	<ul style="list-style-type: none"> ■ To set the DF bit, select the check box. ■ To clear the DF bit, clear the check box.
Record Route	Sets the record route option in the IP header of the ping request packet. The path of the ping request packet is recorded within the packet and displayed in the main pane.	<ul style="list-style-type: none"> ■ To record and display the path of the packet, select the check box. ■ To suppress the recording and display of the path of the packet, clear the check box.

Table 1: J-Web Ping Host Field Summary *(continued)*

Field	Function	Your Action
Type-of-Service	Specifies the type-of-service (TOS) value in the IP header of the ping request packet.	Select the decimal value of the TOS field from the list.
Routing Instance	Name of the routing instance for the ping attempt.	Select the routing instance name from the list.
Interval	Specifies the interval, in seconds, between transmissions of individual ping requests.	Select the interval from the list.
Packet Size	Specifies the size of the ping request packet.	Type the size, in bytes, of the packet. The size can be from 0 through 65468. The switch adds 8 bytes of ICMP header to the size.
Source Address	Specifies the source address of the ping request packet.	Type the source IP address.
Time-to-Live	Specifies the time-to-live (TTL) hop count for the ping request packet.	Select the TTL value from the list.
Bypass Routing	Determines whether ping requests are routed by means of the routing table. If the routing table is not used, ping requests are sent only to hosts on the interface specified in the Interface box. If the host is not on that interface, ping responses are not sent.	<ul style="list-style-type: none">■ To bypass the routing table and send the ping requests to hosts on the specified interface only, select the check box.■ To route the ping requests using the routing table, clear the check box.

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