# CVR100W VPN路由器上的网络工具设置

# 目标

<u>Ping</u>是一种用于测试主机是否可以到达的技术。它还衡量总行程时间。如果要排除网络连接或 带宽故障,Ping会很有用。

<u>Traceroute发</u>现转发数据包的IP路由。为此,Traceroute将IP数据包发送到不同的跳以及目标 主机并返回路由器。通过*Traceroute*页面,用户可以查看路由器和目标主机之间的每一跳以及 到达每个站点的往返时间。

在实时场景中,如果存在一些连接问题并需要查找数据包是否传送到目的地时,可以使用 traceroute。如果存在此类问题,Traceroute可以准确指出丢弃数据包的位置。

DNS查找是一种技术,当设备向DNS服务器请求与域名关联的IP地址时。然后,DNS服务器 会"查找"与该域名关联的IP。

本文介绍如何在CVR100W VPN路由器上使用各种网络工具。

# 适用设备

·CVR100W

### 软件版本

•1.0.1.19

## 网络工具

#### ping

步骤1.登录到Web配置实用程序,然后选择**Administration > Diagnostics > Network Tools。** "网*络工具*"页打开:

Network Tools	
Ping or Trace an IP Address:	
IP Address / Domain Name:	74.125.227.209
	Ping Traceroute
Perform a DNS Lookup:	
Internet Name:	
	Look up

步骤2.在IP Address / Domain Name中,输入要ping的IP地址或域名。

步骤3.单击IP地**址的**Ping,生成可用于分析网络问题的输出。

Pin	g
Res	sult
PIN	IG 74.125.227.209 (74.125.227.209): 64 data bytes
72	bytes from 74.125.227.209: seq=0 ttl=53 time=20.875 ms
72	bytes from 74.125.227.209: seq=1 ttl=53 time=20.943 ms
72	bytes from 74.125.227.209: seq=2 ttl=53 time=20.723 ms
7	74.125.227.209 ping statistics
3 p	ackets transmitted, 3 packets received, 0% packet loss
rou	nd-trip min/avg/max = 20.723/20.847/20.943 ms

步骤4.单击"关闭"按钮关闭窗口。

#### Traceroute

步骤1.登录到Web配置实用程序,然后选择**Administration > Diagnostics > Network Tools。** "网*络工具*"页打开:

Network Tools	
Ping or Trace an IP Address:	
IP Address / Domain Name:	74.125.227.209
	Ping Traceroute
Perform a DNS Lookup:	
Internet Name:	
	Look up

步骤2.在IP Address / Domain Name字段中,输入要为其执行traceroute的IP地址或域名。 步骤3.单击**Traceroute**以生成可用于分析网络问题的输出。

Traceroute	
Result	
traceroute to 74.125.2	27.209 (74.125.227.209), 30 hops max, 40 byte packets
1 7.752 ms 7.563 ms	7.399 ms 10.32.32.1
2 7.345 ms 7.382 ms	7.602 ms 70.183.70.185
3 14.466 ms 15.602 r	ns 15.476 ms 70.183.71.105
4 15.656 ms 15.513 r	ns 15.625 ms 70.183.71.66
5 14.824 ms 15.500 r	ns 15.471 ms 70.183.71.64
6 * 27.375 ms 32.436	ms 68.1.2.109
7 29.707 ms 27.235 r	ns 25.378 ms 72.14.212.233
8 27.934 ms 31.559 r	n

步骤4.(可选)要停止traceroute,请单击"停止"按钮。

步骤5.单击"关闭"按钮关闭窗口。

#### DNS查找

步骤1.登录到Web配置实用程序,然后选择**Administration > Diagnostics > Network Tools。** "网*络工具*"页打开:

Network Tools	
Ping or Trace an IP Addres	is:
IP Address / Domain Name	:
	Ping Traceroute
Perform a DNS Lookup:	
Internet Name:	an an
	Look up

步骤2.在Internet Name字段中,输入要执行DNS查找的域名。 步骤3.单击Look up ,生成可用于分析网络问题的输出。

## Network Tools

Look up
Result
Server: 156.26.1.1
Address 1: 156.26.1.1
Name:
Address 1: 2001:4860:4002:801::1004
Address 2: 74.125.227.35 dfw06s06-in-f3.1e100.net
Address 3: 74.125.227.36 dfw06s06-in-f4.1e100.net
Address 4: 74.125.227.37 dfw06s06-in-f5.1e100.net
Address 5: 74.125.227.38 dfw06s06-in-f6.1e100.net
Address 6: 74.125.227.39 dfw06s06-in-f7.1e100.net
Address 7: 74.125.227.40 dfw06s06-in-f8.1e100.net
Address 8: 74.125.227.41 dfw06s06-in-f9.1e100.net
Address 9: 74.125.227.46 dfw06s06-in-f14.1e100.net
Address 10: 74.125.227.32 dfw06s06-in-f0.1e100.net
Address 11: 74.125.227.33 dfw06s06-in-f1.1e100.net
Address 12: 74.125.227.34 dfw06s06-in-f2.1e100.net
Stop Close

步骤4.单击"关闭"按钮关闭窗口。