

IxChariot® Qcheck – Network Performance Management

What's good-looking, powerful, improves your quality of life and is FREE? Qcheck, the network troubleshooting utility from Ixia, quickly checks network response time, throughput, and streaming performance. It even runs anywhere-to-anywhere traceroute!

Install Qcheck on the computer you'll use to run the Qcheck console. Qcheck runs on any computer running Windows 2000, NT or XP. [Install Qcheck](#) on the computer you'll use to run the Qcheck console. Qcheck runs on any computer running Windows 2000, NT or XP.

Install an Ixia Performance Endpoint (or Qcheck itself, which has the endpoint built in) on any other computers. You can download [Performance Endpoint software](#) free from Ixia!

Qcheck is built using IxChariot technology. IxChariot is a powerful network assessment tool which is used to test networks and Wireless Devices. The following chart compares the benefits of IxChariot and Qcheck over Ping.

Become a network testing expert using IxChariot. Attend a free webinar [here](#).



Qcheck vs. Ping and IxChariot	Ping	Qcheck	IxChariot
Measures response time of IP networks.	X	X	X
Simulates real application flows across the network to test connectivity and performance.		X	X
Gauge network throughput with different traffic types (TCP, UDP, RTP)		X	X
Runs traceroute between any two workstations on your network, regardless of their locations.		X	X

Determines at what rate streaming traffic is received and how much packet loss occurs.		X	X
Troubleshoot wireless performance problems by comparing performance to signal strength (RSSI) and CPU utilization		X	X
Tests a network using multiple application flows for Voice, Video and Data Simultaneously			X
Scale applications tests across 10's, 100's or 1000's of hosts			X
Tests the effect of Virtualization on network Services			X
Measure one-way delay, MOS, and MDI to ensure successful rollouts of IP voice and video services			X

That's it! Based on the parameters you select, the Qcheck console will instruct any two endpoints to run a test and return the results to you at the Qcheck console.

- For a **response time** test, Qcheck returns the minimum, maximum and average number of seconds it took to complete a transaction.
- For a **throughput** test, Qcheck returns the amount of data per second that was successfully sent between the two endpoints.
- For a **streaming** test, Qcheck returns the rate at which the streaming data was received by the second endpoint and the amount of packet loss that occurred.
- For a **traceroute** test, Qcheck returns the number of hops, average hop latency, and the address and names of the host at each hop.

Key Features

- For a response time test, Qcheck returns the minimum, maximum and average number of seconds it took to complete a transaction
- For a throughput test, Qcheck returns the amount of data per second that was successfully sent between the two endpoints
- For a streaming test, Qcheck returns the rate at which the streaming data was received by the second endpoint and the amount of packet loss that occurred
- For a traceroute test, Qcheck returns the number of hops, average hop latency, and the address and names of the host at each hop

Qcheck and Traceroute

Qcheck's anywhere-to-anywhere traceroute function sets you free! You can now originate a traceroute from any user's workstation on the network that is running a Performance Endpoint. Run anywhere-to-anywhere traceroute from our most popular Performance Endpoints to any other TCP/IP connection. The receiving end in a traceroute test doesn't even need to have endpoint software installed! Setting up a traceroute is easy:

- Press the Traceroute button and select a protocol (TCP OR UDP)
- Identify the IP addresses of the two endpoints you're targeting (Endpoint 1 must be running a Performance Endpoint)
- Press the Run button
- Qcheck runs the traceroute and reports the results, the sequence of hops, the hop latency in ms, and the name of each hop location.

Your Problem	The Qcheck Solution
Someone in accounting calls the Help Desk saying he can't access the database server.	A Qcheck response time test determines if this is a network connectivity problem or not. Qcheck can also determine if this is a problem being experienced by one user, one department, or many employees.
I've got a lot of remote employees connected to my network by 56 Kbps dial-up modems. I wonder what kind of throughput they see.	A Qcheck throughput test indicates how quickly a computer can transmit data across any network. And, from your desk, you can drive Qcheck tests between any two computers on your network.
The reception from the company's videoconferencing system is lousy.	A Qcheck streaming test evaluates the network's ability to support multimedia traffic, letting you know the rate at which traffic is received and how many packets get lost along the way.
You've detected a slow connection between New York & San Francisco but you're in Houston. How do you isolate the problem?	A Qcheck on-demand traceroute initiates a traceroute test between any two workstations on your network, regardless of their location.

Product Ordering Information

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