

Network Capture Software

Network virtualization for software testing

Product Highlights

Network Capture is a flexible and powerful network performance measurement solution that lets you easily and accurately record and analyze network behavior, including conditions such as latency, packet loss, and available bandwidth. Network Capture helps you precisely determine production network performance conditions and in combination with Micro Focus® Network Virtualization software allows you to test applications under accurate and true-to-life conditions.

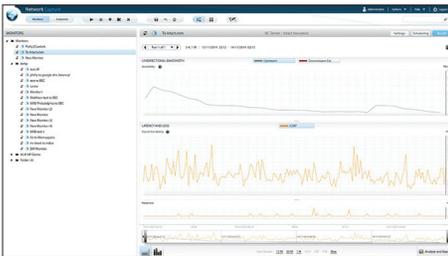


Figure 1. Network Capture software gives you a visual view of network latency and other issues that affect application performance.

Key Benefits

Network Capture lets you schedule recording and automate network behavior analysis. Using a flexible set of network communication protocols, the software captures network behavior and provides insight into how the network responds to ICMP, UDP, HTTP, and

TCP communications. You can easily gather and analyze network performance characteristics with Network Capture for use in Network Virtualization software, enabling a precise emulation of production network conditions in your test lab. Network Capture lets you:

- Record network conditions between end users and your data center for accurate network performance testing and conduct accurate scalability testing.
- Record conditions to and from multiple locations simultaneously for WAN, Web, mobile, and cloud.
- Record, store, analyze, and play back link conditions.
- Actively monitor the behavior of multiple links 24x7.
- Leverage a pre-recorded library of global mobile and broadband network profiles to test applications against typical network conditions between major cities.
- Identify best-case, worst-case, and average performance values within a given period of time.
- **Get built-in bandwidth availability measurements:** unidirectional estimate, bi-directional estimate, and bi-directional sample.
- Measure the latency between two locations using a TCP handshake.

Quick View

How will your application perform when deployed on the production network? It is difficult to predict in a pre-production test environment due to the constantly changing nature of the production network performance. Network Capture software helps you overcome this challenge by recording real-world network conditions and playing them back during application testing, so you can remediate and optimize application performance before deployment.

Key Features

- Leverage out-of-the-box, pre-recorded network performance profiles for emulating typical mobile and broadband network conditions between major cities around the world.
- Measure and record real network conditions for any reachable location using ICMP, TCP, or UDP measurements.
- Deploy the go-anywhere agent securely to remote machines without the need to open multiple firewall ports.
- Schedule and record up to 100 different monitors simultaneously for up to 30 days and store recordings indefinitely.
- Easily select network performance conditions within a specific time period using a graphical zoom bar, or find worst and best periods using automated inspection tools.
- Export network conditions for replay in your test environment.
- Deploy on 32- and 64-bit Microsoft® Windows Server® 2012 R2, 2008, and 2003, 32- and 64-bit Windows® 8.1, and Microsoft .NET Framework 4.5.
- Use the built-in MySQL database to store thousands of network profiles.



Figure 2. Network Capture helps you precisely recreate production network conditions in a pre-production test lab.

Playback Network Behavior during Application Testing

Network Capture software, in combination with Network Virtualization software, allows you to record and play back network performance behavior of links across the entire production network. The software gives you the ability to:

- Replay production network conditions in your development and test environments.
- Enable recorded network statistics at set intervals to play back from a central repository.
- Seamlessly import production network conditions into the test environment.
- Enhance safety and security with a solution that does not store network traffic.

Take a Proactive Approach

When deploying applications across WAN, Web, mobile, or cloud-based networks, risk mitigation and cost avoidance are paramount. Today, 80 percent of the costs associated with application development occur in remediating failed or underperforming applications after deployment, when the ineffective application has already had a negative impact on the end-user or customer experience. We offer a proactive approach to application performance engineering. Our performance testing solution discovers, emulates, predicts, and analyzes the performance of applications over real-world networks, so you can remediate and optimize application performance before deployment. We are an industry-recognized authority in APE, offering years of experience with some of the world's most complex and sophisticated networks.

Contact us at:
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