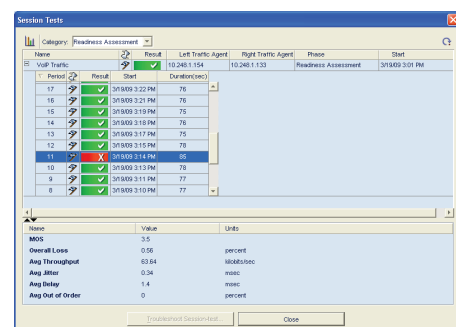


VoIP Assessment Option

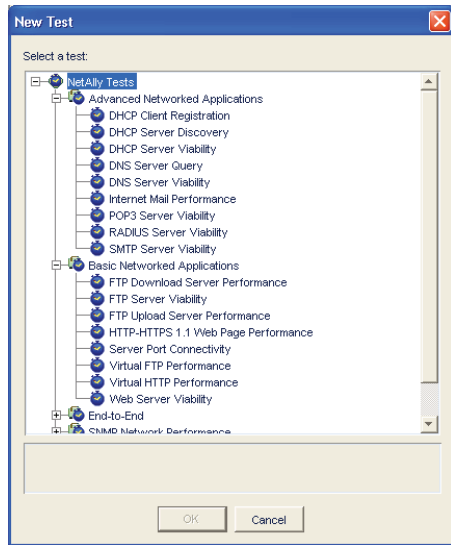
- Are your LAN and WAN circuits capable of handling the increased traffic from the VoIP deployment?
- Do you need to implement Quality of Service (QoS) policies?
- What type of Mean Opinion Score (MOS) call quality can you expect?
- What is the major factor affecting voice call quality – delay, packet loss, jitter or Codec?
- How many concurrent VoIP calls can the network handle without impacting existing applications?

NetAlly Test Agents are controlled by the NetAlly Traffic Center and are intelligent, distributed software agents used to test the quality of voice (or data) services. The Traffic Agents simulate VoIP calls, monitor service levels and test route quality between any and all endpoints on the network according to a pre-defined schedule. Traffic Agents generate bidirectional RTP streams and emulate commonly used codec's in order to replicate the characteristics of real VoIP traffic on a production network. End-to-end call quality is measured using MOS scoring method and synthetic calls can be mixed with real data traffic during normal production hours to get a real world assessment of service quality or scheduled for off-hours operation when critical business applications are not in use.

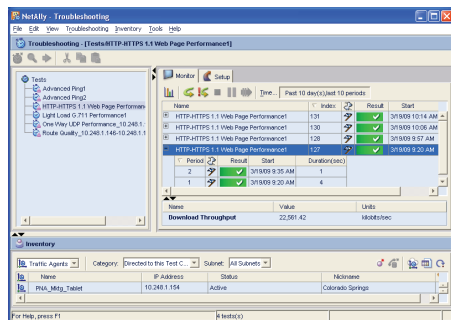


Determine network readiness for VoIP deployment or expansion

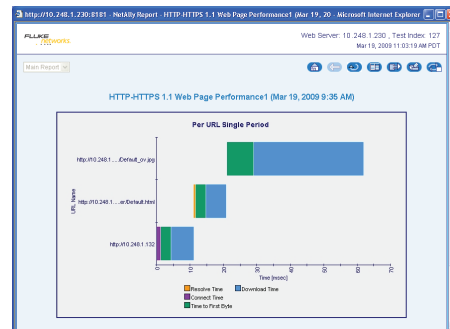
for each agent-pair participating in the assessment. Then NetAllly Application Advisor automatically performs an end-to-end route quality test whenever MOS degradation is detected. This process identifies problems with network connectivity, capacity or configuration before you roll out production services.



The deployment of NetAllly Traffic Agents is very flexible and supports multiple implementation scenarios. One method is to use a standard PC operating as a dedicated appliance. Typically installed at network aggregation points, Traffic Agents are capable of performing extensive tests drawn selected from a diagnostic library of predefined and automated test procedures.



Depending on the configuration of NetAllly application modules running on the Test Center, the appropriate test groups will be installed and available for use by the system. Specific tests are associated with a collection of Traffic Agents and scheduled for execution using a simple point-and-click set-up procedure. By running specialized tests with customized attributes, in addition to analyzing primary parameters such as delay, loss, throughput and jitter, peer-to-peer and client server applications such as HTTP, Mail and FTP may be analyzed. Troubleshooting tests can be configured with notifications or alerts that are dependent on the results of the test. The test results are displayed using an on-line graphical user interface or published in standardized reports.

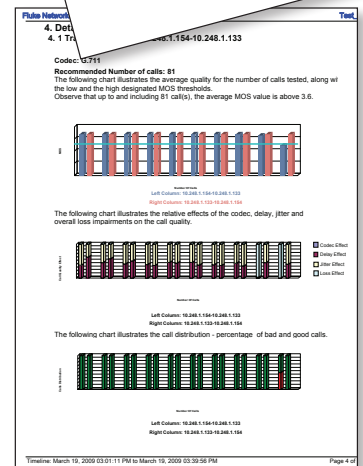
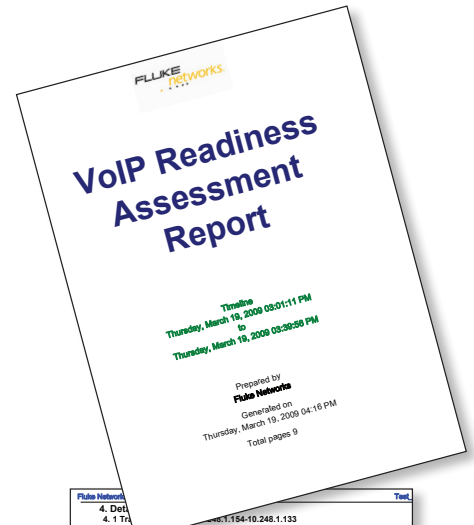


During the troubleshooting process, temporary Java-based NetRegard Agents can be downloaded and run on the web browser of any computer with access to the Test Center's Web server.

Product Details

The NetAllly VoIP Assessment Option requires purchase of the NetAllly Application Advisor Test Center, which is purchased as a package with the desired number of Traffic Agents. Consult the NetAllly Application Advisor Data Sheet for specific details regarding:

- System Architecture
- Technical Specifications
- System Requirements
- Models, Options, and Accessories



6. Additional Information

The following tables contain designation parameters for each Traffic Agent pair.

Test Point Pair: 10.248.1.154-10.248.1.133

Code: G.711

Name	Value	Unit
Uses RTP Port	0	
Jitter Buffer	Do not use	
Quality of Service	Diffserv: 45	
Peak Speed	100M	
Num of Measurements	1	
Plasma Parking	30	ms
G.711 Payload Type	PCMA/4000	
Use PLC	False	
Silence Suppression	False	
Min Num VoIP Calls	1	
Max Num VoIP Calls	100	
Delta Num VoIP Calls	10	
Num of VoIP Calls	1	

NETWORK SUPERVISION

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