AVAYA NETWORK READINESS ASSESSMENT

Evaluating your network’s ability to support today’s innovative applications

Today’s advanced communications applications place significant new demands on networks. As you upgrade your communications solutions, adopt SIP technologies, and add new capabilities like mobility, video and Internet of Things, your network must cope with new levels of traffic and utilization. Transitioning from simple signaling and call routing to carrying actual call data and other communications is a significant change. Doesn’t it make sense, then, to test your network before deploying new solutions to make sure it’s prepared for the transition, can maintain peak performance and deliver expected solution benefits? Network-related deficiencies arising after cutover can result in downtime and cost up to five times more to resolve than if they had been detected and resolved prior to implementation. At the pace of business today, who can afford lost productivity due to network outages?

Is your network ready for an optimal deployment? Avaya Network Readiness Assessment answers this question by simulating the traffic demands the new solution will impose on your network. As a critical step in preparing your network for deployment, our Network Readiness Assessment helps you proactively resolve potential issues for a smooth implementation.

It’s All About Performance

Avaya has the expertise to deal with complex networks with multivendor solutions and devices. We offer a complete Network Readiness Assessment that addresses two vital network performance concerns:

Network capacity. Our engineers test the volume of real-time voice or video traffic your network is able to handle and, as part of the process, identify...
With our direct, end-to-end testing of your network, you can be confident that each solution you deploy delivers peak performance.

potential inefficiencies. The resulting critical information tells you what steps to take to prepare your network for new solution deployments.

**Network quality of service (QoS).**
We measure the quality of voice and video communications by simulating the new solution in your existing environment. Our consultants can then recommend ways you can improve quality levels if they do not meet your organization’s current needs or expectations.

With our direct, end-to-end testing of your network, you can be confident that each solution you deploy delivers peak performance. Our expert engineers identify issues and recommend changes to address them, helping you avoid costly post-implementation issues stemming from an unprepared network—whether associated with your internal infrastructure or your service provider’s network. An added benefit is that our Network Readiness Assessment gives your deployment team a clear understanding of your prospective environment so they can be prepared for any issues that arise during implementation.

**Trust In Our Experience and Proven Approach**
Avaya Network Readiness Assessment can help prepare your network for the new innovative solutions and applications you plan to deploy, including contact center, unified communications, VoIP and video. Leveraging best practices and proven methodologies, we confirm your objectives, evaluate your network, present our findings and offer recommendations to optimize your network environment for real-time traffic.
Consultancy review. Our specialists examine your current network configuration and work with you to understand your expectations for the new environment. We define network requirements to support your new solution and discuss QoS indicators required for successful execution. Issues around network security, interoperability and design are also considered to provide you an expert point of view that can help optimize your network deployment.

Network evaluation. We test your network capacity by simulating the volume of traffic required to handle your new solution. The testing is conducted between selected endpoints on your existing network at all times of day, revealing performance under varying conditions.

We measure important factors related to quality voice and video communications, including mean opinion score (MOS), and we validate end-to-end QoS behavior, including one-way delay, jitter and percentage of packet loss. In addition, we test WAN bandwidth to help determine whether the QoS provision you have purchased is being delivered.

After testing, we highlight any deviations from minimum requirements for acceptable voice and video quality standards. These findings can help determine the root causes of network issues by detecting the exact path voice packets travel across your network.

Findings and recommendations. We document our assessment analysis and findings in a comprehensive report that includes:

- Outline of network requirements, including end-to-end QoS configuration and bandwidth utilization
- Results of traffic simulation, such as confirming whether the designed maximum supported calls receive priority
- Impact of key performance indicators and QoS on voice/video quality and end-user experience
- Recommended network configuration changes for consideration and implementation prior to deployment of new technology
- Final assessment of the network’s ability to support the proposed solution and properly deliver quality service, along with recommendations to remedy any identified issues

Leveraging best practices and proven methodologies, we confirm your objectives, evaluate your network, present our findings and offer recommendations to optimize your network environment for real-time traffic.
Delivering Value Every Step of the Way

Discover how an Avaya Network Readiness Assessment can help you successfully implement your next new Avaya solution. By preparing your network to handle new requirements, we help you:

- Optimize your network and resolve inefficiencies
- Avoid costly and time-consuming post-implementation issues
- Speed time to solution benefit and maximize network performance

Why Choose Avaya?

Through an Avaya Network Readiness Assessment, you gain access to Avaya:

Experience. You can rely on our technical know-how, deep vertical expertise and business experience. Our professional services specialists have, on average, more than 15 years of experience applying communications technologies that support complex business processes across a variety of industries.

Resources. To assist you with any aspect of your communications network and application environment, more than 1,200 Avaya strategic consultants, network architects, program managers and other technical experts around the world are ready to provide business and technical consulting services through flexible sourcing models.

Reach. You benefit from the experience and knowledge our professionals gain in other engagements. Our Avaya Solution Development Methodology supports the global scale, consistency and delivery capabilities necessary to meet the challenges of business today. Using their broad range of strategic, technical and management skills, our consultants execute more than 2,000 projects each month around the world. Rest assured that, through our global resourcing model, no matter where your business is located, the right specialist for your project will be deployed.

Objectivity. While our consultants are experts in Avaya applications and architecture, many clients we serve have multivendor environments. With our Network Readiness Assessment, you can rely on our extensive experience across a breadth of communications technologies, including industry certifications from multiple vendors and our focus on designing optimal solutions for your organization.

Learn More

To learn more and to obtain additional information about the Avaya Network Readiness Assessment, contact your Avaya Account Manager or Avaya Authorized Partner. Or visit us online at http://www.avaya.com/professionalservices.