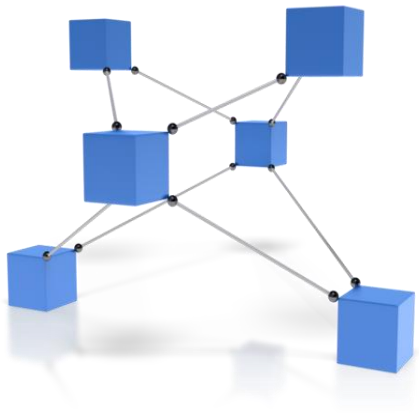
Skype for Business

Technical Network Validation

From Strategy to Solution – Driving Results

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Iluminari Tech has a proven track record in bringing together disparate communications technologies to deliver successful mission-critical voice and unified communication (UC) solutions. This experience, combined with our strategic partnership with Microsoft, enables Iluminari Tech to provide its customers with an unparalleled level of expertise. Iluminari Tech' comprehensive set of UC professional services offerings range from strategy through implementation, adoption, training and support. The Iluminari Tech Unified Communication Technical Network Validation offers organizations an opportunity to ensure their networks are ready for their new capabilities

Microsoft Partner
Gold Communications

Skype for Business introduces new unified communications (UC) capabilities and new QoS and network requirements (gallery view, HD, etc.). These new capabilities have the potential to dramatically affect the network. It is essential that the data network has the performance and capacity to provide a great end user experience. If the underlying network has any issues the UC applications are quick to suffer challenges. Thus, Microsoft Skype for Business should be deployed on data networks which are correctly scaled to accommodate the additional load which these new technologies may introduce. Skype for Business implementation best practices stipulate a Skype for Business Technical Network Validation.

The technical validation of the network ensures Skype for Business deployments are faster, more successful and less costly by reducing deployment issues post-deployment troubleshooting. Iluminari Tech' ***Skype for Business Technical Network Validation*** is a point-in-time evaluation of an organization's data networks to determine capacity and capabilities with respect to current requirements and loads. It helps you determine how well UC will work on a network prior to deployment minimizing user frustration and downtime.

The Skype for Business Technical Network Validation uses network tools to determine link capacities relative to capabilities . In addition, interviews are performed to determine business requirements and dependencies. The Skype for Business Technical Network Validation can be split into four distinct phases and each phase depends on information collected from the previous phase. The four phases include:

Discovery: Iluminari Tech will garner an understanding of all aspects of the network infrastructure, the existing telephony infrastructure, conferencing infrastructure, and details of the planned unified communications application deployment

Modeling: This phase includes both 'usage modeling' and 'traffic modeling,' where proposed bandwidth usage is modeled based on existing usage data and knowledge of the new systems data requirements to estimate the requirements of the new system.

Traffic Simulation: We provide a traffic simulator to apply application specific traffic to the production network. This phase also includes monitoring the network segments to understand what impact the simulated traffic will have on the network.

Recommendations: Iluminari Tech then analyzes the data and provides your organization with a report supporting our recommendations.

The scope of a Skype for Business Technical Network Validation is typically dictated by the Skype for Business workloads being implemented, the number of physical locations or network segments you need to include in your modeling, evaluation, and testing.

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Skype for Business Technical Network Validation

The Skype for Business Technical Network Validation helps to determine quickly and easily how well your Skype for Business solution will work on your organizations network prior to deployment. Before you invest in pilot environments and deployments, the validation helps determine the overall call quality you can expect from the network.

Key Benefits and Features

Builds a network inventory, saving time by automatically surveying routers, switches and WAN links to be evaluated.

Create background traffic to simulate the impact of other application traffic on UC call quality

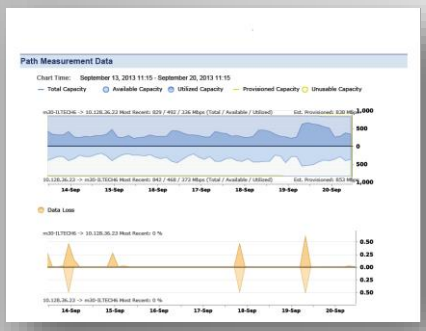
Predict quality by collecting network metrics over time, which provides an accurate depiction of overall call quality and A/V quality

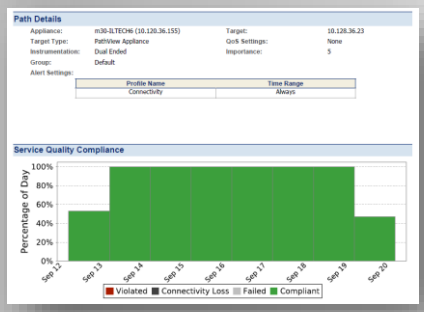
Highlights limitations of current network devices, providing insight into potential needs for additional or upgraded devices before the UC deployment by monitoring utilization statistics of current network devices and links.

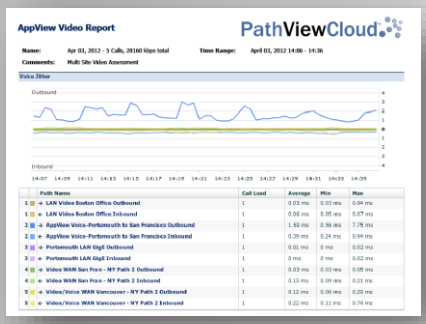
Performs configuration validation, comparing information about device configuration gathered during a network inventory to a set of rules we supply—based on vendor recommendations—and reports any disparities.

Provides customized reports. The report is easily customized and provides a straightforward executive summary that assesses the network's readiness for Skype for Business , along with detailed results by location for further analysis. The assessment reports include information needed to identify potential problem areas.

Performing a Skype for Business Technical Network Validation reduces the risk of deploying a unified communications system within an organization . At the end of the validation, you will understand the challenges associated with the additional traffic that the unified communication system will introduce, identify bottlenecks that may occur on the existing network, and be closer to successfully deploying your chosen unified communications application within your organization.







Related Services

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Assessment Services
Business Case Development
Architecture and Design
Implementation & Deployment
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Support