

Network Assessment



CDI's Network Assessment service evaluates existing frameworks and policies, and recommends design and monitoring services that continually advance your network infrastructure.

Establish a Baseline

How can you improve the performance and security of your network if you don't know how it performs today? CDI's Network Assessment service identifies inefficiencies, eliminates single points of failure and provides your company with valuable baseline measures, making it easier for you to evaluate and roll out new network applications that advance your corporate strategy.

Gather Information

Through discussions with your IT team, we will conduct a complete audit of your network operations. We will inspect your infrastructure hardware, software, routers, switches, cables and PBXs. We can evaluate your policies and processes for network intrusion detection, server and application password administration, and disaster recovery/business continuity. Plus, our consultants can track data flow.

Analyze Traffic

CDI's network assessment services include a meaningful statistical analysis of LAN and WAN traffic flow and performance, and guide you in making the best choices for optimizing your network. We recommend monitoring traffic on an ongoing basis. That way you can better assess if upgrades are needed to support application rollouts and predict if upgrades will perform properly once installed. Avoiding needless or poorly planned upgrades is revenue saved.

Our reports are delivered in easily digested formats and include the following:

- Utilization Statistics (related to devices, interconnects and ports)
- Top "Talkers" Data (from/to traffic information for the most active 10-20 systems)
- Top Error Sources
- Multicast and Broad Traffic Levels
- Uplink and Server Traffic Analysis
- WAN and Location-to-Location Traffic Patterns
- Protocol Breakdowns
- Utilization & Errors

Document Your Infrastructure

When maintained and coupled with a strong change control policy, network documentation enables everyone in an organization to understand the network itself, as well as interdependencies for maintenance, troubleshooting and planning around future applications and technologies. Proper network documentation can increase time efficiency, decrease costs and prevent poorly planned upgrades. Many potential security issues also are typically identified during documentation.

CDI's certified network professionals can create detailed port level documentation, providing information including:

- Network equipment and configuration information
- Type/CAT# rating/port count
- Cable plant and type of cable in use through data center
- Make/model/serial numbers
- Software/firmware levels
- Memory
- Patch panels
- Interconnect information (to other networking equipment and to other patch panels)
- Crosstalk and noise
- VLANs
- Specification ratings
- IP addresses, names and protocols in use
- Fiber connectors/fiber type
- Basic security information
- Racking
- Single points of failure
- Power/environmental considerations

Recommend Action

In the event your existing environment is not up to snuff, our assessment service can recommend customized, best-in-class network, security and management components to remedy this. We can also train your staff to take charge of ongoing management, ensuring your network's evolution keeps pace with industry standards and best practices.