

# Network Analysis

## Networking/ Security



## Features

Traffic Pattern Analysis  
Projected Impact of New  
Software

## Benefits

Maintain a stable production  
environment  
Prioritize critical protocols and  
services  
Improve performance without  
increasing bandwidth  
Have a “baseline” of normal  
performance levels  
Avoid overload  
Enable new application to  
perform properly  
Save time during implementation

In today's highly competitive world, companies have to move fast and run lean. As networks have evolved, new applications, servers and end user requirements have forced drastic changes onto existing network infrastructure. Network slow downs, interruptions, outages or worse can account for chronic loss of productivity. Similarly, not fully understanding your network can lead to slower software implementations and unnecessary IT purchases.

Fortunately, these pitfalls can be avoided with a CDI Network Analysis. We'll provide you with a meaningful statistical analysis of your LAN and WAN's traffic flow and performance characteristics, and guide you in making the best choices for optimizing your network.

### Network Analysis Services

Our certified networking professionals use best-in-class tools to analyze LAN and WAN data, and then generate a comprehensive report that incorporates our findings, as well as our recommendations for network improvement. All deliverables are in Microsoft formats and contain the following information:

#### Utilization Statistics (Min/Max/Avg)

- Device CPU Utilization
- Interconnect Utilization
- Port Utilization

#### Top “Talkers”

- From/To traffic information of the top 10-20 systems

#### Top Error Sources

- Multicast Traffic Levels
- Broadcast Traffic Levels

#### Uplink Traffic Analysis

#### Server Traffic Analysis

#### WAN Traffic Patters

- Location to Location Traffic Patterns
- Protocol Breakdowns
- Utilization & Errors
- Frame-Relay DLCI Level Statistics

### High Productivity and Sounder Business Decisions

Network managers must fully understand the networks performance characteristics so they can avert outages and overloads and identify what “normal” performance is of their networks. By performing a traf- fic analysis of your network you will have a basic understanding of how your network is utilized and where the potential bottleneck exists. New applications are introduced into the network on a regular basis. Once armed with an accurate performance analysis, you can better assess if upgrades are needed and predict if those upgrades will perform properly once installed. Considering the expense of cutting-edge IT equip- ment, avoiding needless or poorly-planned upgrades is revenue saved.

CDI is an IT infrastructure services company that lends knowledge, experience and credibility to helping companies facilitate communications and collaboration between employees, partners and customers around the world.