

## Network Design

Designing a network requires analysis and forethought to ensure a secure and stable IT environment; it also requires years of experience to ensure a cost effective solution that is capable of scaling with your growing organization. The design process followed by Applied Systems for any aspect of network design is rigorous and involved. Initially we will perform a requirements analysis; with that as our base we will detail a complete and thorough strategic plan which will lead directly into a well thought-out network design. With the design in hand our system implementation will flow smoothly into the final stage of complete and exhaustive testing to ensure the network is stable and secure.

While a network has traditionally been designed around desktops and servers, a network today encompasses many devices which must work and communicate together. Applied Systems experience in the following areas will ensure that your network is designed securely and cost effectively.

**Remote Access** - Today's networks must encompass numerous locations which include remote and mobile users. Utilizing Cisco routers and Virtual Private Networks (VPN) devices, Applied Systems can implement a network that allows remote users valuable access, all the while providing the security your network requires.

**Network Security** - A top priority for your organization is to ensure the security of its data which can be completed utilizing Cisco's self defending network. It also requires the implementation of a multi-platform approach to defend against viruses, bots, spyware, and other types of malware.

**Wireless Access** - Whether your employees need network access to send emails in a hotel lobby, or to uncover leads in a coffee shop, or to scan boxes with a barcode reader in the warehouse, Applied Systems can set up the wireless access your employees require to remain productive wherever they are.

**VoIP** - Voice isn't just voice any more. To save money and improve productivity, Applied Systems can install a Cisco based Voice-over-IP telephone system which will provide your organization with increase functionality at a lower overall cost and still ensure the security your network requires.

**Data Storage** - With the requirements from government agencies, not to mention public pressure, providing your users with secure data storage solutions is critical to corporate security.

**Video Conferencing** - Communicating with remote offices, vendors and customers has become cost effective and easy to implement. No longer are you required to pay huge costs for specialized equipment or network connections; let Applied Systems create a cost effective solutions for your video conferencing needs.

**Video Surveillance** - Let us set some cameras up to watch what your weird employees do and steal.