Data Systems Performance Engineering LLC Ethernet Network Services

- Evaluate requirements for new networks or network expansions – design new networks or network expansions
- Troubleshoot problems in existing networks - provide solutions for problems found
- Network Analyzer analysis of existing network to monitor network activity in real time to determine protocols used, broadcast and multicasts, detailed utilization and error statistics, detailed packet analysis, etc.
- Determine network layout - Ethernet - including servers, gateways, bridges, repeaters, routers, hubs, switches, modems, copper or fiber cabling
- Document network system installation requirements: drawings and specifications
- Procure equipment
- Interface with contractor installing equipment
- Inspect work performed; measure all cabling (see "Cable testing services"), run network diagnostics; assure proper network functionality
- Look for ambient EMI/RFI (electromagnetic interference/radio frequency interference) that could affect communications.