

## Case Study # 16

You are a Network Consultant with specialized skills in designing Win2000 directory services. You are recently requested by MediX Inc to design the security and the directory for the entire company.

### Background About MediX

MediX is a medical supply company with the headquarters located in Jacksonville, Florida. There are more than 1,000 employees at headquarters. The company sells and distributes medical supplies to large hospitals in 40 states. It has distribution centers in Boston, Massachusetts; Dallas, Texas; Miami, Florida; Minneapolis, Minnesota; New Orleans, Louisiana; Tampa, Florida; Seattle, Washington; and St Louis, Missouri.

### IT Environment

There is one mainframe computer located at the headquarters. There are 280 computer terminals at headquarters connected to the mainframe computer. There are also computer terminals at each distribution center. T1 line connects the computer terminals at the distribution centers to the mainframe computer.

### Envisioned IT Environment

The mainframe computer at the headquarter will be replaced with Windows 2000 Server. All servers and client computers should be upgraded to Windows 2000 too, except that some sales rep will still carry WinNT4 laptops. The portable computers will contain a program named XSalesforce, which will be used to order supplies. The portable computers will also contain customer information. Delegation of administrative tasks will be required.

Security for network and offline information is the key of the strategy. VPN should be deployed for connectivity between the headquarters and the many distribution centers. Hospitals should be able to view only their own order status. They will be connected to headquarters by using Routing and Remote Access. Each hospital will have a user account.