Case Study # 15

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

Background

StylerX is a clothing retailer which has been in business for eight years. Last year's total sales for all retail stores were $330 million. It has a Headquarters in Tampa with approximately 105 people, with 17 employees in the IT department. It has retail Stores located in five major cities in Florida, with 70 employees at each of the retail stores.

To expand its business, it needs a web site. Currently, the company has most of its functions handled by NT4 servers. The network has all the infrastructure in place, and have dial up connectivity with all the retail stores.

Web Site Summary

- information on Web server can be modified only with proper authorization
- information must be secure as it travels from the customer's computer to server.
- information that customers download must not damage their software or violate licensing agreements.
- Need an ActiveX control that can display different sizes of clothing on a 3D model.
- After visitors enter their name and address and receive an ID they will be considered as customers.
- Web site must include a shopping basket and a checkout function
- the site can identify returning customer automatically by their ID and password
- Transaction information will be stored in a transaction tracking file.

Visions and Strategy

- All existing Windows NT Server domain controller will be upgraded to Windows 2000 native mode, and a single forest will be created.
- A DMZ will be set up
- More Windows 2000 Server computers will be added:
- SXWEB – multihomed web server
- SXDEV - used by programmers to develop the Web content.
- SXDATA - contain all customer, inventory, and order information in SQL Server
- SXVPN - VPN server.
- SXDC1 and SXDC2 - domain controllers.
- eliminate all remote access server and allow the retail stores to submit their data over the Internet through a VPN.
- hardware and software at the retail stores will remain the same.
- Wan and LAN bandwidth will remain the same.