70-298

Designing Security for a Microsoft Windows Server 2003 Network

DEMO

QUESTION NO: 1 CORRECT TEXT

Case Study1, City Central Utilities, Scenario

Background
City Central Utilities is one of the largest manufacturers of genuine quality approved utilities which are used across the world.

Physical Locations
City Central Utilities has its headquarters in Atlanta. City Central Utilities has a branch office in Brisbane which maintains a production facility and a retail branch office in Auckland which maintains a distribution facility.

City Central Utilities also has a retail office in London. The City Central Utilities has 525 users in the Atlanta office, 25 users in the Brisbane office and 225 users in the Auckland office.

Planned Changes
City Central Utilities has hired you to design and implement a security plan which should be based on results of a security audit which was performed by a contractor of City Central Utilities. The security audit was conducted at City Central Utilities over a period of 4 months. The contractor hired by City Central Utilities has produced a report identifying several security issues. The security issues will have to be addressed in your security design.

Existing Environment

Directory Services
The City Central Utilities company consists of a single Active Directory domain named citycentral.com. The functional level of the domain is set at Windows Server 2003. City Central Utilities has recently decided to create a site for each branch office and configure appropriate site links.

The domain controllers of City Central Utilities remain in the default Domain Controllers container. The management has also decided to have the administrative user accounts remain in their default Users container. The network administrators of City Central Utilities make use of their client computers for accessing the network. It is imperative to City Central Utilities that interactively logging on to the servers and domain controllers be prohibited.

Network Services

City Central Utilities has deployed multiple domain controllers to ensure that there is fault tolerance. All servers on the citycentral.com network run Windows Server 2003 and all client computers run Windows 2000 Professional or Windows XP Professional.

The City Central Utilities network has three servers located in different offices configured as file servers. The servers used by City Central Utilities are named CCU-SR01, CCU-SR02, CCU-SR03. The server named CCU-SR01 resides in the Atlanta office, CCU-SR02 resides in the Brisbane office and CCU-SR03 resides in the Auckland office. All of the file servers host a shared data folder shown below:

Folder Name	Location	Share Permission	NTFS Permission
Data_Atlanta	CCU-SR01	Everyone – Full Control	Everyone – Full Control
Data_Brisbane	CCU-SR02	Everyone – Full Control	Everyone – Full Control
Data_Auckland	CCU-SR03	Everyone – Full Control	Everyone – Full Control

City Central Utilities also has a member server residing in Brisbane named CCU-SR04. CCU-SAR04 is used to host an inventory control application which is accessed only by Auckland and Brisbane network users.

The Management of City Central Utilities has also decided to deploy a Wireless network in Brisbane. City Central Utilities are planning to install multiple access points (APs) on each department to provide full wireless coverage in the facility. City Central Utilities has only issued 15 portable computers with wireless adapters. All the network portable computers run Windows XP Professional.

Web Services
City Central Utilities has an internal Website and a Web-based inventory tracking application which is hosted on a server named CCU-SR05. City Central Utilities has Web site content that is updated and created by network users in the Human Resources (HR) department. City Central Utilities makes use of the intranet Web site to communicate the company information with the citycentral.com employees. The City Central Utilities inventory tracking application is used by the City Central Utilities Sales staff and management. CCU-SR05 runs Windows Server 2003, Web Edition and resides on the internal network. The network users of City Central Utilities make use of Internet Explorer 5.5 for Internet and Intranet Web browsing.
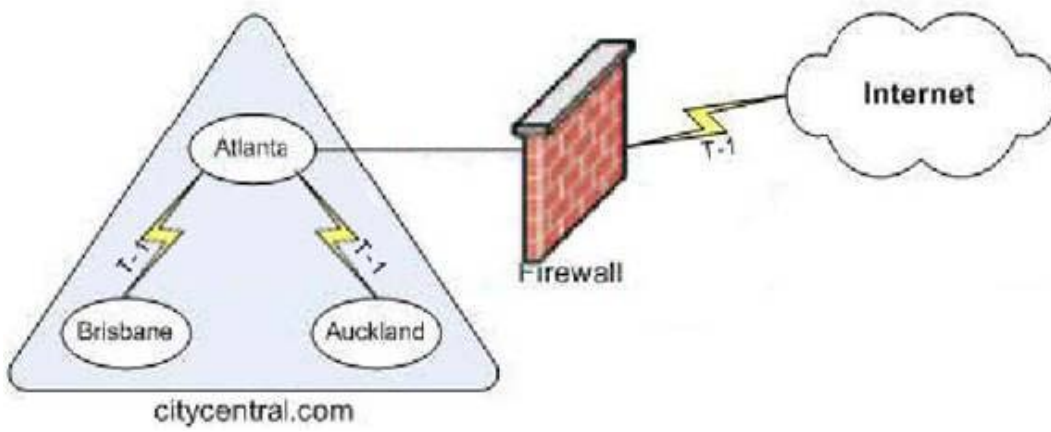
Wide Area Network (WAN)
City Central Utilities makes use if the Atlanta main office to provide Internet connectivity to the Brisbane and Auckland branch offices via T-1 connection.

The City Central Utilities network environment is shown in the Infrastructure exhibit:

Infrastructure

Organizational Unit (OU) Structure

The City Central Utilities network OU structure is shown in the OU Structure exhibit: