

STUDENT ACTIVITY 1.1_2: BASIC NETWORK DESIGN

MTA Course: 98-366 Networking Fundamentals

Topic: Understand the concepts of the Internet, intranet, and extranet

File name: NetFund_SA_1.1_2

Lesson Objective

1.1: Understand the concepts of the Internet, intranet, and extranet. *This objective may include but is not limited to:* VPN, security zones, firewalls.

Resources, software, and additional files needed for this lesson

- It is recommended that students have access to Microsoft® Word® (for typing their paragraphs) and a program such as Publisher or Paint for creating their network diagrams.

Directions to the student

In a small group, read the scenario and develop a brief plan for meeting the company's needs. Your plan should include a basic diagram and a paragraph justification.

Content

You have just been hired as network design consultants by a small US-based company called Trey Research. The company manufactures an inexpensive solar lamp that they feel can be sold in developing countries. They are planning to open sales offices in India, Bangladesh, and Cambodia with each office having two American employees and five local employees.

You have been asked to create an initial network design that provides optimal, secured access for all US employees (local and abroad) to the company's Sales group, Human Resources Department, and Manufacturing Operations group, which are all based in California. In addition, all employees should have email and Internet access separate from the company's valuable internal and confidential information.

Based on your knowledge of the Internet, intranets, extranets, and VPNs, design the company's initial draft of their enterprise network. Provide a short paragraph justifying your design.