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Lab 9.2.2 Creating a Phased Installation Plan

Objective

- Determine the best installation method.

Expected Results and Success Criteria

Before starting this lab, read through the tasks that you are expected to perform. What do you expect the result of performing these tasks will be?

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What could be some of the issues that may have to be discussed and negotiated with the customer with regard to their expectations of what impact the installation process may have on their current network operations?

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Background / Preparation

In this lab you, will compile and finalize the details of the Implementation Plan relating to the planned installation method of the FilmCompany network upgrade.

An Installation Plan may be subject to a number of factors. These include:

- Budget constraints that can affect the project by limiting the money available to purchase the equipment needed

- Time constraints on a business factors, such as the inability to handle downtime for transaction processing and major events happening in a short period of time

- Lack of trained personnel or the need for training, which could prevent a new installation from being fully implemented at one time

Step 1: Compare the installation methods

There are three possible installation methods:

- **New installation**, commonly referred to as a *green field installation*

- **Phased installation** into an existing, functioning network

- **Complete replacement**, commonly referred to as a *fork-lift upgrade*

Consider and list the advantages and disadvantages of the three installation methods.

New Installation

Advantages:

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Disadvantages:

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Phased Installation into Existing Network

Advantages:

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Disadvantages:

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Complete Network Replacement

Advantages:

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Disadvantages:

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Step 2: Select the installation method

Two of the FilmCompany requirements are:

- The company network services must be available during the upgrade.
- Existing equipment must be used in the new network design.

Select the appropriate installation approach for the FilmCompany network upgrade.

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Step 3: Complete the details for the installation phases

Using the charts created in Lab 9.2.1; fill out the information for each of the Installation Phases.

a. On the table created in Lab 9.2.1 for Phase 1, fill in the Task/Step, Description, and Implementation Details information:

- Install Distribution and Core Layer equipment
- Configure new IP addressing & VLAN scheme
- Configure routing

b. On the table for Phase 2, fill in the Task/Step, Description, and Implementation Details information:

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- Upgrade the WAN connectivity
- Extend the network to the remote site
- Configure Access Control Lists & security

c. On the table for Phase 3, fill in the Task/Step, Description, and Implementation Details information:

- Install and configure the wireless and associated mobility network equipment