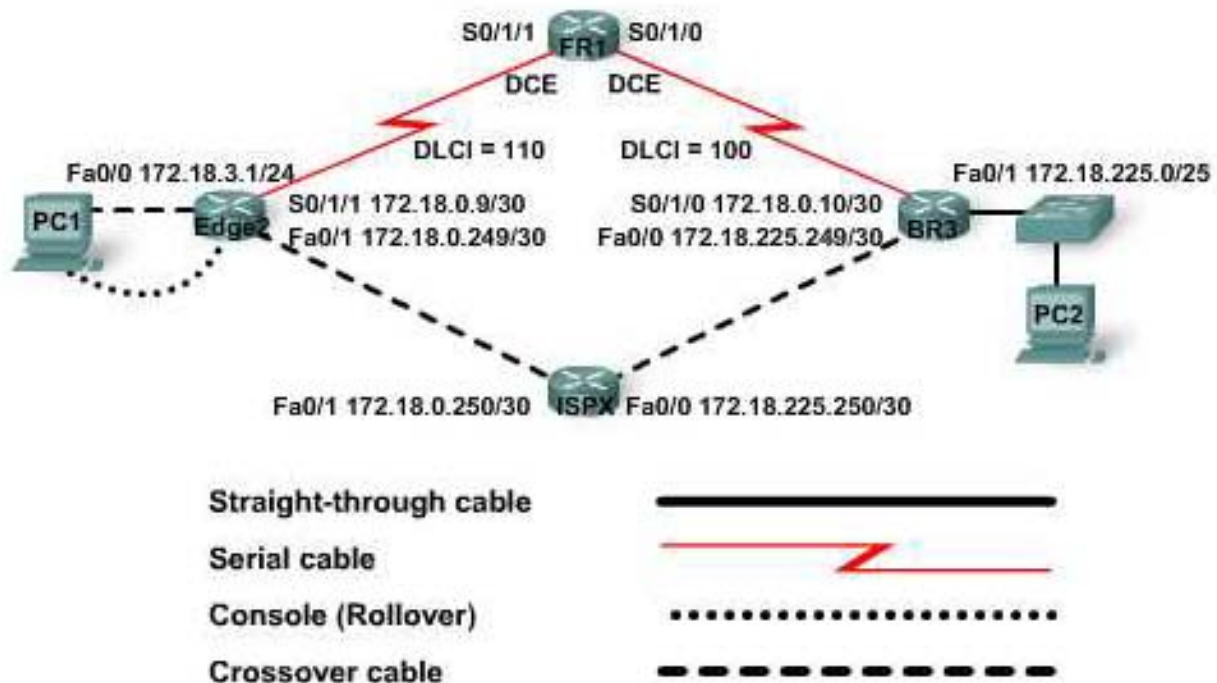


Lab 8.2.6 Evaluating the Prototype Test



Objectives

- Analyze the results of the WAN Connectivity prototype test.
- Document the results and identify potential risks or weaknesses in the prototype and planned design.
- Complete the Results and Conclusions section of the test plan.

640-802 CCNA Exam Objectives

This lab contains skills that relate to the following CCNA exam objectives:

- Interpret network diagrams.
- Identify and correct common network problems at Layers 1, 2, 3, and 7 using a layered model approach.

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?

Why do you think it is important to identify any weaknesses or risks contained in a proposed network design?

Background / Preparation

Network designs often have weaknesses or areas of risk because the designer must work within constraints applied by the customer. These weaknesses can include obvious risks, such as no firewall or security filtering, or can be harder to identify. Using the results and conclusions of the Test Plan you finished in Lab 8.2.5, determine if there are areas where risk exists in your proposed design.

Step 1: Identify if weaknesses are present in the design

Is the Frame Relay WAN design able to scale to meet the expected growth?

Do the results of the prototype test indicate that the Frame Relay configuration will work as expected?

Are there any weaknesses associated with using the VPN connections as backup to the Frame Relay WAN?

Will a failure of the primary link cause the FilmCompany to lose connectivity to the Stadium LAN?

Does the EIGRP authentication provide for a secure transmission of the routing updates?

Step 2: Determine what the risks are of not correcting the weaknesses

If, in Step 1, you identify weaknesses in the proposed design, what risks do these weaknesses present to FilmCompany?

Step 3: Suggest ways that the design can be improved to reduce the risk

In what ways could the proposed design be improved to reduce the areas of risk?

Step 4: Document the weaknesses and risks on the test plan

In the Results and Conclusions section of the test plan, record any weaknesses, risks, and suggested improvements.

Step 4: Reflection

Why do you think it is important to identify weaknesses and risks in the proposed design before presenting it to the customer? What are some reasons that weaknesses cannot be corrected?
