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TO PASS 80% or higher

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PT Activity – Building a Switch and Router Network

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1. ## PT Activity – Building a Switch and Router Network

3 / 3 points

In this activity, you will perform basic router configurations. You will secure access to the CLI and console port using encrypted passwords. You will also configure messages for users logging into the router. These banners will warn unauthorized users that access is prohibited. Finally, you will verify and save your running configuration.

Download and open the **.pka file Configure Initial Router Settings** from the link below.

You can open the .docx to preview the steps that will be required to complete the activity.

Complete the activity and answer the questions in this quiz.

Packet Tracer PKA (.pka)

8.5.4.3 Packet Tracer - Building a Switch and Router Network.pka

Packet Tracer Instruction Preview Sheet (.docx)

8.5.4.3 Packet Tracer - Building a Switch and Router Network.docx

Learning Objectives

- Configure the router and switch.
- Verify network connectivity.
- Configure and verify an SSH implementation.

Required Resources

Windows PC with Packet Tracer installed

Refer to the activity. What three things were configured the same on the router and the switch? (Choose 3.)

- [ ] hostname
- [x] **service password-encryption**

  ✓ **Correct**
  All passwords were encrypted on both devices.

- [x] console password

  ✓ **Correct**
  Both devices had a console password of **cisco.**

- [x] privileged EXEC mode password

  ✓ **Correct**
  Both devices had an **enable secret** password of **class.**

- [ ] default gateway

2. Why is the default gateway for PC-A different than the default gateway for PC-B?

1 / 1 point

- (•) PC-A and PC-B are on different networks.
- ( ) The default gateway can be configured as any address as long as it is unique.

PC-A uses the switch as its default gateway and PC-B uses the router as its default gateway.

Correct

PC-A and PC-B are connected to different ports on the router. Each port on the router represents different networks.