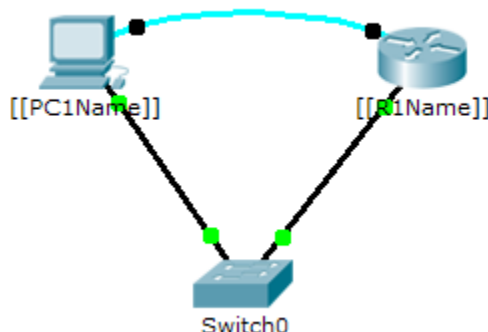


# Packet Tracer – Configuring Secure Passwords and SSH

## Topology



## Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
	G0/0		255.255.255.0	N/A
	NIC		255.255.255.0	

## Scenario

The network administrator has asked you to prepare \_\_\_\_\_ for deployment.  
Before it can be connected to the network, security measures must be enabled.

## Requirements

- Configure IP addressing on \_\_\_\_\_ according to the Addressing Table.
- Console into \_\_\_\_\_ from the Terminal on PC-A.
- Configure IP addressing on \_\_\_\_\_ and enable the interface.
- Configure the hostname as \_\_\_\_\_.
- Encrypt all plaintext passwords.  
`(config)# service password-encryption`
- Set a strong secret password of your choosing.
- Set the domain name to \_\_\_\_\_ .com (case-sensitive for scoring in PT).  
`(config)# ip domain-name [[R1Name]].com`
- Create a user of your choosing with a strong password.  
`(config)# username any_user password any_password`
- Generate 1024-bit RSA keys.

**Note:** In Packet Tracer, enter the **crypto key generate rsa** command and press Enter to continue.

`(config)# crypto key generate rsa`

- Block anyone for three minutes who fails to log in after four attempts within a two-minute period.

```
(config)# login block-for 180 attempts 4 within 120
```

- Configure the VTY lines for SSH access and use the local user profiles for authentication.

```
(config)# line vty 0 4
```

```
(config-line)# transport input ssh
```

```
(config-line)# login local
```

- Save the configuration to NVRAM.
- Be prepared to demonstrate to your instructor that you have established SSH access from  
to .

Isomorph ID: