

PASS4SURE

Cisco Certified Network Associate Exam

Cisco CCNA

CCNA study Package

640-802 LAB FASTRACK

Preparation Labs provide lab instructions, scenarios and tutorials, all technical support will be provided by Cisco.

**LAB
27**

NOTE: This lab manual is a joint fruit of Pass4sure and ciscosim. If you have any questions or suggestions, or want to exchange experience, please go to <http://www.ciscosim.net>.

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Cisco Certified Network Associate Exam

640-802-Preparation-Labs

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CCNA lab25

Example Analysis (A)

Lab requirements:

You work as a network technician at Pass4sure.com. Study the exhibit carefully. You are required to perform configurations to enable internet access. The Pass4sure ISP has given you six public IP addresses in the 198.18.32.65 198.18.32.70/29 range.

Pass4sure.com has 62 clients that need to have simultaneous internet access. These local hosts use private IP addresses in the 192.168.6.65 - 192.168.6.126/26 range.

You need to configure Router Pass4sure1 using the Pass4sureA console.

You have already made basic router configuration. You have also configured the appropriate NAT interfaces; NAT inside and NAT outside respectively.

Now you are required to finish the configuration of Pass4sure1.

Lab topology:



Lab process:

Organize the network topology and complete the IP configurations for each device according to the diagram and the formation presented in the diagram. Then enter the Console of the router Pass4sure1 to configure NAT conversion.

1. First, configure the global address pool

```
Pass4sure1#Config t
```

```
Pass4sure1(Config)#ip nat pool nat_test 198.18.32.65 198.18.32.70 prefix-length 29
```

2. Then configure the access list and define the address scope of NAT conversion

```
Pass4sure1(Config)#access-list 1 permit 192.168.6.65 0.0.0.63
```

```
Pass4sure1(Config)#access-list 1 deny any
```

3. Define which inside addresses are allowed to call address pool to translate the overload of NAT after passing through the router Pass4sure1.

```
Pass4sure1(Config)#ip nat inside source list 1 pool nat_test overload
```

4. Apply NAT configuration to the appropriate interface, that is the specified inside and outside interface.

```
Pass4sure1(Config)#interface fa0/0
```

```
Pass4sure1(Config-if)#ip nat inside
```

```
Pass4sure1(Config-if)#exit
```

```
Pass4sure1(Config)#interface S0/0
```

```
Pass4sure1(Config-if)#ip nat outside
```

5. Exit to the privileged configuration mode and store the configurations

```
Pass4sure1(Config-if)#end
```

```
Pass4sure1#copy run start
```