

NST21022 - Practical for network switching  
and routing

continuous Assessment 01

Serial number: 180055

## Addressing Table

Devices	Interfaces	Ip Addresses	Subnet mask	Default gateway
R1	g0/0/0	172.168.10.128	255.255.255.128	
	g0/0/1	172.168.10.1	255.255.255.128	
	s0/1/0	172.168.10.241	255.255.255.252	
R2	g0/0/0	172.168.10.193	255.255.255.224	
	g0/0/1	172.168.10.225	255.255.255.240	
	s0/1/0	172.168.10.242	255.255.255.252	
PC-A	NIC	172.168.10.129	255.255.255.192	172.168.10.128
PC-B	NIC	172.168.10.2	255.255.255.128	172.168.10.1
PC-C	NIC	172.168.10.194	255.255.255.224	172.168.10.193
PC-D	NIC	172.168.10.226	255.255.255.240	172.168.10.225

PART 011. ~~host name~~Routers 01

Router &gt; enable

Router # configure terminal

Router (config) # host R1

R1 (config) #

Routers 02

Router &gt; enable

Router # configure terminal

Router (config) # host R2

R2 (config) #

02) R1  
 03) R1(Config)# line console 0  
 R2(Config-line)# password 1234  
 R1(Config-line)# login  
 R1(Config-line)# exit  
 R1(Config)#

R2  
 R2(Config)# line console 0  
 R2(Config-line)# password 1234  
 R2(Config-line)# login  
 R2(Config-line)# exit  
 R2(Config)#

03) R1(Config)# enable secret cisco

R2(Config)# enable secret cisco

04) R1(Config)# ip domain-name nst21022.com

R2(Config)# ip domain-name nst21022.com

05) R1(Config)# crypto key generate  
 rsa modulus 1024

conf t crypto key generate rsa  
 modulus 1024

ip ssh version 2  
 username root secret cisco  
 line vty 0 15  
 transport input ssh  
 login local  
 exec-timeout 6  
 end  
 write memory

ip ssh version 2  
 username root secret cisco  
 line vty 0 15  
 transport input ssh  
 login local  
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06. Service password-encryption

service password-encryption

07. Banner login AC  
 Authorised Access only

banner login AC  
 Authorised Access only  
 AC

AC



Subnet Number	Network Address	First usable Host Address	Last Usable Host Address	Broadcast Address
1	172.168.10.0/25	172.168.10.1	172.168.10.127	172.168.10.127
2	172.168.10.128/26	172.168.10.129	172.16.10.190	172.16.10.191
3	172.168.10.192/27	172.16.10.193	172.16.10.222	172.16.10.223
4	172.168.224/28	172.16.10.225	172.16.10.232	172.16.10.239
5	172.16.224/30	172.16.10.241	172.16.10.242	172.16.10.243
6				
7				
8				
9				
10				