

Configuration Switch et Routeur

CONFIGURATION DE R1 ENABLE CONFIGURE TERMINAL HOSTNAME R1 Interface fastethernet 0/0 No Shutdown Interface fastethernet 0/0.300 Encapsulation DOT1Q 300 IP NAT Inside IP ADDRESS 172.17.0.126 255.255.255.192 Interface fastethernet 0/0.10 Encapsulation DOT1Q 10 IP ADDRESS 172.17.1.62 255.255.255.192 IP NAT Inside IP HELPER-ADDRESS 172.17.0.65 Interface fastethernet 0/0.20 Encapsulation DOT1Q 20 IP ADDRESS 172.17.1.222 255.255.255.224 IP NAT Inside IP ACCESS-GROUP 120 in IP HELPER-ADDRESS 172.17.0.65 Interface fastethernet 0/0.30 Encapsulation DOT1Q 30 IP ADDRESS 172.17.0.254 255.255.255.192 IP NAT Inside IP ACCESS-GROUP 121 in IP HELPER-ADDRESS 172.17.0.65 Interface fastethernet 0/0.40 Encapsulation DOT1Q 40 IP ADDRESS 172.17.1.190 255.255.255.224 IP NAT Inside IP HELPER-ADDRESS 172.17.0.65 Interface fastethernet 0/0.50 Encapsulation DOT1Q 50 IP ADDRESS 172.17.1.94 255.255.255.224 IP NAT Inside IP ACCESS-GROUP 150 in	Interface fastethernet 0/1 Ip address 200.0.0.2 255.255.255.252 IP NAT Outside No shutdown Ip route 0.0.0.0 0.0.0.0 200.0.0.1 ACCESS-LIST 1 PERMIT 172.17.0.0 0.0.255.255 IP NAT INSIDE SOURCE LIST 1 INTERFACE FASTETHERNET 0/1 access-list 120 deny ip 172.17.1.192 0.0.0.31 172.17.0.192 0.0.0.63 access-list 120 permit ip any any access-list 121 deny ip 172.17.0.192 0.0.0.63 172.17.1.192 0.0.0.31 access-list 121 permit ip any any access-list 150 deny ip 172.17.1.64 0.0.0.31 172.17.1.96 0.0.0.31 access-list 150 permit ip any any access-list 151 deny ip 172.17.1.96 0.0.0.31 172.17.1.64 0.0.0.31 access-list 151 permit ip any any access-list 180 deny tcp 172.17.2.0 0.0.0.15 172.17.0.69 0.0.0.0 eq 80 access-list 180 deny tcp 172.17.2.0 0.0.0.15 172.17.0.69 0.0.0.0 eq 443 access-list 180 permit ip any any access-list 110 permit ip 172.17.1.224 0.0.0.31 172.17.0.0 0.0.255.255 access-list 110 deny ip 172.17.1.224 0.0.0.31 any access-list 110 permit ip any any
--	---

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.60

Encapsulation DOT1Q 60

IP ADDRESS 172.17.1.126 255.255.255.224

IP NAT Inside

IP ACCESS-GROUP 151 in

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.70

Encapsulation DOT1Q 70

IP ADDRESS 172.17.1.158 255.255.255.224

IP NAT Inside

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.80

Encapsulation DOT1Q 80

IP ADDRESS 172.17.2.14 255.255.255.240

IP NAT Inside

IP ACCESS-GROUP 180 in

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.90

Encapsulation DOT1Q 90

IP ADDRESS 172.17.0.190 255.255.255.192

IP NAT Inside

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.150

Encapsulation DOT1Q 150

IP ADDRESS 172.17.0.62 255.255.255.192

IP NAT Inside

IP HELPER-ADDRESS 172.17.0.65

Interface fastethernet 0/0.200

Encapsulation DOT1Q 200

IP ADDRESS 172.17.1.254 255.255.255.224

IP NAT Inside

IP ACCESS-GROUP 110 in

IP HELPER-ADDRESS 172.17.0.65

ROUTER RIP

VERSION 2

NETWORK 172.17.0.0

CONFIGURATION DE SW1	CONFIGURATION DE SW2

ENABLE CONFIGURE TERMINAL HOSTNAME SW1 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-17 SWITCHPORT ACCESS VLAN 150 INTERFACE RANGE FASTETHERNET 0/18-24 SWITCHPORT ACCESS VLAN 80 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	ENABLE CONFIGURE TERMINAL HOSTNAME SW2 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-3 SWITCHPORT ACCESS VLAN 80 INTERFACE RANGE FASTETHERNET 0/4-18 SWITCHPORT ACCESS VLAN 200 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW3 ENABLE CONFIGURE TERMINAL HOSTNAME SW3 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-8	CONFIGURATION DE SW4 ENABLE CONFIGURE TERMINAL HOSTNAME SW4 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-24

SWITCHPORT ACCESS VLAN 150 INTERFACE RANGE FASTETHERNET 0/9-23 SWITCHPORT ACCESS VLAN 90 INTERFACE FASTETHERNET 0/24 SWITCHPORT MODE TRUNK INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	SWITCHPORT ACCESS VLAN 90 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW5 ENABLE CONFIGURE TERMINAL HOSTNAME SW5 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE FASTETHERNET 0/1 SWITCHPORT ACCESS VLAN 90 INTERFACE RANGE FASTETHERNET 0/2-21 SWITCHPORT ACCESS VLAN 40 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	CONFIGURATION DE SW6 ENABLE CONFIGURE TERMINAL HOSTNAME SW6 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-3 SWITCHPORT ACCESS VLAN 150 INTERFACE RANGE FASTETHERNET 0/4-13 SWITCHPORT ACCESS VLAN 90 INTERFACE RANGE FASTETHERNET 0/14-23 SWITCHPORT ACCESS VLAN 50 INTERFACE FASTETHERNET 0/24 SWITCHPORT MODE TRUNK INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW7 ENABLE	CONFIGURATION DE SW8 ENABLE

CONFIGURE TERMINAL HOSTNAME SW7 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-20 SWITCHPORT ACCESS VLAN 50 INTERFACE RANGE FASTETHERNET 0/21-24 SWITCHPORT ACCESS VLAN 60 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	CONFIGURE TERMINAL HOSTNAME SW8 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-21 SWITCHPORT ACCESS VLAN 60 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW9 ENABLE CONFIGURE TERMINAL HOSTNAME SW9 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-18 SWITCHPORT ACCESS VLAN 150	CONFIGURATION DE SW10 ENABLE CONFIGURE TERMINAL HOSTNAME SW10 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-20 SWITCHPORT ACCESS VLAN 70

INTERFACE RANGE FASTETHERNET 0/19-23 SWITCHPORT ACCESS VLAN 70 INTERFACE FASTETHERNET 0/24 SWITCHPORT MODE TRUNK INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	INTERFACE FASTETHERNET 0/24 SWITCHPORT MODE TRUNK INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW11 ENABLE CONFIGURE TERMINAL HOSTNAME SW11 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-2 SWITCHPORT ACCESS VLAN 150 INTERFACE RANGE FASTETHERNET 0/3-23 SWITCHPORT ACCESS VLAN 10 INTERFACE FASTETHERNET 0/24 SWITCHPORT MODE TRUNK INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	CONFIGURATION DE SW12 ENABLE CONFIGURE TERMINAL HOSTNAME SW12 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-14 SWITCHPORT ACCESS VLAN 10 INTERFACE RANGE FASTETHERNET 0/15-24 SWITCHPORT ACCESS VLAN 30 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW13 ENABLE CONFIGURE TERMINAL HOSTNAME SW13	CONFIGURATION DE SW14 ENABLE CONFIGURE TERMINAL HOSTNAME SW14

VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-20 SWITCHPORT ACCESS VLAN 30 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-12 SWITCHPORT ACCESS VLAN 150 INTERFACE RANGE FASTETHERNET 0/13-24 SWITCHPORT ACCESS VLAN 20 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
CONFIGURATION DE SW15 ENABLE CONFIGURE TERMINAL HOSTNAME SW15 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-3 SWITCHPORT ACCESS VLAN 20 INTERFACE RANGE FASTETHERNET 0/4-18 SWITCHPORT ACCESS VLAN 30	CONFIGURATION DE SW16 ENABLE CONFIGURE TERMINAL HOSTNAME SW16 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-22 SWITCHPORT ACCESS VLAN 300 INTERFACE RANGE FASTETHERNET 0/23-24 SWITCHPORT MODE TRUNK

INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK spanning-tree mode rapid-pvst spanning-tree vlan 1-300 priority 4096
CONFIGURATION DE SW17 ENABLE CONFIGURE TERMINAL HOSTNAME SW17 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-24 SWITCHPORT ACCESS VLAN 300 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK	CONFIGURATION DE SW18 ENABLE CONFIGURE TERMINAL HOSTNAME SW18 VLAN 10 VLAN 20 VLAN 30 VLAN 40 VLAN 50 VLAN 60 VLAN 70 VLAN 80 VLAN 90 VLAN 150 VLAN 200 VLAN 300 INTERFACE RANGE FASTETHERNET 0/1-9 SWITCHPORT ACCESS VLAN 300 INTERFACE RANGE GIGABITETHERNET 0/1-2 SWITCHPORT MODE TRUNK
Configuration Routeur FAI Enable Configure terminal Interface fastethernet 0/0 ip address 200.0.0.1 255.255.255.252 No shutdown Interface fastethernet 0/1 ip address 210.0.0.1 255.255.255.0 No shutdown	

Configuration DHCP

Nom du Pool	Gateway par défaut	Départ adresse IP	Masque de sous-réseau	Utilisateur maximum
serverPool	172.17.0.126	172.17.0.65	255.255.255.192	55
VLAN10	172.17.1.62	172.17.1.0	255.255.255.192	35
VLAN20	172.17.1.222	172.17.1.192	255.255.255.224	15
VLAN30	172.17.0.254	172.17.0.192	255.255.255.192	45
VLAN40	172.17.1.190	172.17.1.160	255.255.255.224	20
VLAN50	172.17.1.94	172.17.1.64	255.255.255.224	30
VLAN60	172.17.1.126	172.17.1.96	255.255.255.224	25
VLAN70	172.17.1.158	172.17.1.128	255.255.255.224	25
VLAN80	172.17.2.14	172.17.2.0	255.255.255.240	10
VLAN90	172.17.0.190	172.17.0.128	255.255.255.192	50
VLAN150	172.17.0.62	172.17.0.0	255.255.255.192	60
VLAN200	172.17.1.254	172.17.1.224	255.255.255.224	15