ISP / Интернет

S3   f0/5   PC6

f0/1   g0/0

NAT 1-1,
PAT,
PPP + Аутентификация

PAT,
PPP + Аутентификация

DHCP-сервер

s0/0/0 ISP s0/0/1

OSPF Area 1

OSPF Area 0

S2   g0/0   s0/0/0   GRE   s0/0/0   g0/0   S4

f0/1   R1   s/0/0/1   R2   g0/0   R4   f0/1

s0/0/1   f0/5   f0/6

f0/5   DHCP-сервер

Сервер,
доступен из Интернет   g0/0   g0/0

R5   HSRP   R6

g0/1   g0/1

g0/1

S1   f0/1   EtherChannel   f0/1

VLAN A   VLAN B   f0/10   f0/10   S6

f0/5   f0/6   f0/11   f0/11

f0/5   S5   f0/6   f0/5

DHCP   DHCP   VLAN C   VLAN D   VLAN C

L3-коммутатор,
статическая маршрутизация   DHCP   DHCP   DHCP

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	s0/0/1	10.1.0.6	255.255.255.252	N/A
	g0/0	10.1.0.9	255.255.255.252	N/A
R2	s0/0/0	10.1.0.5	255.255.255.252	N/A
	s0/0/1	209.166.60.2	255.255.255.252	N/A
	g0/0	10.1.0.1	255.255.255.252	N/A
	Tunnel 1	172.16.0.1	255.255.255.252	N/A
ISP	s0/0/0	209.166.60.1	255.255.255.0	N/A
	s0/0/1	209.166.70.1	255.255.255.0	N/A
	g0/0	209.166.50.1	255.255.255.0	N/A
R4	s0/0/0	209.166.70.2	255.255.255.252	N/A
	g0/0	10.0.0.1	255.255.255.248	N/A
	Tunnnel 1	172.16.0.2	255.255.255.252	N/A
R5	g0/0	10.0.0.2	255.255.255.248	N/A
	g0/1	192.168.1.2	255.255.255.0	N/A
	g0/1.30	192.168.30.2	255.255.255.0	helper-address 10.0.0.1
	g0/1.40	192.168.40.2	255.255.255.0	helper-address 10.0.0.1
R6	g0/0	10.0.0.3	255.255.255.248	N/A
	g0/1	192.168.1.3	255.255.255.0	N/A
	g0/1.30	192.168.30.3	255.255.255.0	helper-address 10.0.0.1
	g0/1.40	192.168.40.3	255.255.255.0	helper-address 10.0.0.1
S1	VLAN 1	10.1.0.2	255.255.255.252	N/A
	VLAN 10	192.168.10.1	255.255.255.0	helper-address 10.1.0.1
	VLAN 20	192.168.20.1	255.255.255.0	helper-address 10.1.0.1
S5	VLAN 30	192.168.30.11	255.255.255.0	helper-address 10.1.0.1
	VLAN 40	192.168.30.11	255.255.255.0	helper-address 10.1.0.1
S6	VLAN 30	192.168.40.12	255.255.255.0	helper-address 10.1.0.1
	VLAN 40	192.168.40.12	255.255.255.0	helper-address 10.1.0.1
PC6	NIC	209.166.50.2	255.255.255.252	209.166.50.1
Server0	NIC	10.1.0.10	255.255.255.252	10.1.0.9
	NIC	209.140.50.8	external	