-----------------------------------------------------------------------ipv6

ipv6 unicast-routing

int g0/0

ipv6 enable

ipv6 address2001:db8:cafe:11::1/64

nosh

------------------------------------------------------------------------switchsecutity

enablesecretitsasecret

line con 0

passwordletmein

login

linevty 0 15

passwordclass

login

exit

servicepassword-encryption

bannermotd #Authorized Access Only!!#

intrange fa0/21-24

shut

intrange gig0/1

shut

ex

---------------------------------------------------------------------------portsecurity

int fa0/14

portmodeaccess

switchportport-security

switchportport-security maximum 2

switchportport-securitymac-addresssticky

switchportport-securityviolationrestrict

ex

------------------------------------------------------------------------------vlan

intvlan 88

ip add 172.31.88.33 255.255.255.0

ipdefault-gateway 172.31.88.1

ex

vlan 99

nameNative

ex

intrange fa0/21-24

switchportmodeaccess

switchportaccessvlan 88

ex

intvlan 1

shut

ex

-------------------------------------------------------------------------------trunk

int gig0/1

switchportmodetrunk

switchporttrunknativevlan 99

switchporttrunkallowedvlan 10,20,30,88,99

ex

int gig0/2

switchportnonegotiate

ex

--------------------------------------------------------------------------routeron a stick

interface g0/0.10  
encapsulation dot1Q 10  
ipaddress 172.31.10.1 255.255.255.0

no sh

interface g0/0.99  
encapsulation dot1Q 99native  
ipaddress 172.31.99.1 255.255.255.0

no sh

interface g0/0

no shutdown  
exit  
------------------------------------------------------------------------------staticrouting

iproute 172.31.0.0 255.255.128.0 s0/1/1

iproute 172.31.0.0 255.255.128.0 s0/1/0 25

iproute 0.0.0.0 0.0.0.0209.165.201.17

-------------------------------------------------------------------------------loopback

interfaceloopback 0

ipaddress192.31.7.1 255.255.255.255

--------------------------------------------------------------------------------ripv2

routerrip

version 2

passive-interface g1/0

network172.130.0.0

network 10.0.0.0

noauto-summary

cleariproute \*

iproute 0.0.0.0 0.0.0.0 209.165.201.2

routerrip

default-informationoriginate

--------------------------------------------------------------------------------------ripng

ipv6 unicast-routing

int g0/0

ipv6 enable

ipv6 address 2001:470:1:1::1/64

noshutdown

ipv6 rip Test1 enable

sh ipv6 route

---------------------------------------------------------------------------------------ospf

iproute 0.0.0.0 0.0.0.0 20.0.0.2 alapért. útvonal

routerospf 1

router-id 1.1.1.2

network 10.0.0.0 0.255.255.255 area 0

network 20.0.0.0 0.255.255.255 area 0

passive-interface g0/1

default-informationoriginate alapért. út hirdet

area 0 authenticationmessage-digest md5 init

int g0/0

ipospfmessage-digest-key 1 md5 MD5KEY MD5KEY a jelszó

int g0/1

ipospfmessage-digest-key 1 md5 MD5KEY

--------------------------------------------------------------------------------------------ospfv6

ipv6 router ospf 10

router-id 1.1.1.1

auto-cost reference-bandwidth 1000 gyors kapcsolatokhoz új referenciasávszél kell

int g0/0/0

bandwidth 1000000 ez a gigabit sebesség

ipv6 ospf 10 area 0

int s0/1/0

ipv6 ospf 10 area 0

int s0/1/1

bandwidth 100 ez 100 kbit sebesség

ipv6 ospf 10 area 0

-------------------------------------------------------------------------------------------dhcp

interface g0/0

iphelper-address 192.168.2.254

ipdhcpexcluded-address 192.168.1.1 192.168.1.9

ipdhcppool R1G1

network 192.168.1.0 255.255.255.0

default-router 192.168.1.1

dns-server 209.165.200.225

domain-name ccna-lab.com

lease 2

en

conf t

ipv6 unicast-routing

ipv6 dhcppool Right

dns-server 2001:db8:acad:10::15

domain-nameright.company.local

interfaceGigabitEthernet 0/0

ipv6 enable

ipv6 dhcp server Right

ipv6 ndother-config-flag

ipv6 add 2001:db8:acad:10::1/64

ipv6 add fe80::1 link-local

nosh

--------------------------------------------------------------------------------------------ssh

hostname R1

username babusa secretcisco

ipdomain-name valami

ipssh version 2

cryptokeygeneratersageneral-keys modulus 2048

ipsshtime-out 60

ipsshauthentication-retries 2

linevty 0 15

transport input SSH

login local

----------------------------------------------------------------------------------------------acl

access-list 2 deny 192.168.0.0 0.0.255.255

access-list 2 permit any

int g0/0

ip access-group 2 out

sh access-lists

shipint g0/0

int g0/0

noip access-group 2 out

no access-list 2

ip access-list extended SURFING

remarkengedi a bongeszestkifele

permittcp 192.168.0.0 0.0.0.255 any eq 80

permittcp 192.168.0.0 0.0.0.255 any eq 443

exit

ip access-list extended BROWSING

remark cask a mar felepitettkapcsolatotengedivissza

permittcpany192.168.0.0 0.0.0.255 established

int g0/0

ip access-group SURFING in

ip access-group BROWSING out

ipv6 access-list NO-FTP

remark 20-as portot is hasznalja

denytcp any 2001:db8:cafe:11::/64 eq ftp

denytcp any 2001:db8:cafe:11::/64 eq 20

permit ipv6 any any

int g0/0

ipv6 traffic-filter NO-FTP in

sh ipv6 int g0/0

--------------------------------------------------------------------------------hsrp

interface g0/0

standby 1 ip 192.168.1.254

standby 1 priority 150

standby 1 preempt

interface g0/0

standby 1 ip 192.168.1.254

interface g0/0

nostandby 1

---------------------------------------------------------------------------nat-pat

ipnatinsidesourcestatic 192.168.1.20 209.165.200.225

interface g0/0/0

ipnatinside

interfaceg0/0/1

ipnatoutside

showipnat translations

showipnat statistics

access-list 1 permit 192.168.1.0 0.0.0.255

ipnat pool public\_access209.165.200.242 209.165.200.254 netmask 255.255.255.224

ipnat inside source list 1 pool public\_access

interface g0/0/0

ipnatinside

interface g0/0/1

ipnatoutside

access-list 1 permit 192.168.1.0 0.0.0.255

ipnat pool public\_access209.165.200.242 209.165.200.254 netmask 255.255.255.224

ipnat inside source list 1 pool public\_access**overload**

interface g0/0/0

ipnatinside

interface g0/0/1

ipnatoutside

------------------------------------------------------------------etherchannel

(sw1)

interface range f0/3-4

channel-group 1 mode desirable

no shutdown

(sw2)

interface range f0/3-4

channel-group 1 mode auto

no shutdown

showetherchannel summary

interface port-channel 1

… (channelconfigjajön ide)

-----------------------------------------------------------------------telnet vs ssh

enable secret itsasecret

int vlan1

ip add 192.168.0.2 255.255.255.0

nosh

linevty 0 15

password class

login

hostname R1

username cisco secret cisco

ip domain-name rtp.cisco.com

ipssh version 2

crypto key generate rsa general-keys modulus 1024

ipssh time-out 60

ipssh authentication-retries 2

linevty 0 15

transport input SSH

login local

-------------------------------------------------------------------------ppp chap

(chap csak serial inten működik)

(usernameazeszközpármásiktagjának neve)

hostname R1

usernameR2 password 0 cisco

int s0/1/0

ip add 10.0.0.1 255.0.0.0

encapsulationppp

ppp authentication chap

nosh

hostname R2

usernameR1 password 0 cisco

int s0/1/0

ip add 10.0.0.2 255.0.0.0

encapsulationppp

ppp authentication chap

nosh

----------------------------------------------------------------------------------tunnel

(r1)

interface Tunnel1

ip address 192.168.0.1 255.255.255.0

tunnel source g0/0/0

tunnel destination 10.0.0.2

(r2)

interface Tunnel1

ip address 192.168.0.2 255.255.255.0

tunnel source g0/0/0

tunnel destination 10.0.0.1

------------------------------------------------------------------------------stp

spanning-treevlan 1 priority 0