Rozległe sieci komputerowe

Sprawozdanie z laboratorium

Data	Tytuł zajęć	Uczestnicy
12.03.2018 07:30	Podstawowa konfiguracja routera z użyciem IOS CLI	Bartosz Rodziewicz (226105)

Wyniki realizacji zadań

Output komendy `show version`

```
Cisco IOS Software, C2900 Software (C2900-UNIVERSALK9-M), Version 15.4(3)M1, RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
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Compiled Sat 25-Oct-14 03:34 by prod_rel_team

ROM: System Bootstrap, Version 15.0(1r)M16, RELEASE SOFTWARE (fc1)

R1_Rodziewicz uptime is 54 minutes
System returned to ROM by power-on
System restarted at 07:43:25 CET Mon Mar 12 2018
System image file is "flash0:c2900-universalk9-mz.SPA.154-3.M1.bin"
Last reload type: Normal Reload
Last reload reason: power-on



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Cisco CISCO2901/K9 (revision 1.0) with 446464K/77824K bytes of memory.
Processor board ID FCZ1911C3B2
2 Gigabit Ethernet interfaces
2 Serial(sync/async) interfaces
1 terminal line
1 Virtual Private Network (VPN) Module
DRAM configuration is 64 bits wide with parity enabled.
255K bytes of non-volatile configuration memory.
255488K bytes of ATA System CompactFlash 0 (Read/Write)


License Info:

License UDI:
```

```
-------------------------------------------------
Device#   PID                   SN
-------------------------------------------------
*1        CISCO2901/K9          FCZ1911C3B2



Technology Package License Information for Module:'c2900'

-----------------------------------------------------------------------------
Technology    Technology-package                  Technology-package
              Current              Type           Next reboot
-----------------------------------------------------------------------------
ipbase        ipbasek9             Permanent      ipbasek9
security      securityk9           Permanent      securityk9
uc            None                 None           None
data          None                 None           None
NtwkEss       None                 None           None
CollabPro     None                 None           None

Configuration register is 0x2102
```

Output komendy `show startup-config`

```
Using 1810 out of 262136 bytes
!
! Last configuration change at 08:38:15 CET Mon Mar 12 2018 by admin
! NVRAM config last updated at 08:39:26 CET Mon Mar 12 2018 by admin
!
version 15.4
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
!
hostname R1_Rodziewicz
!
boot-start-marker
boot-end-marker
!
!
security passwords min-length 10
enable secret 5 $1$lpJZ$Fd1fPSL9guZgE93ppQ5Th.
!
no aaa new-model
memory-size iomem 15
clock timezone CET 1 0
clock summer-time CET recurring
!
!
!
!
!
!
!
!
!
!
```

```
!
!
!
!
no ip domain lookup
ip domain name CCNA-lab.com
ip cef
no ipv6 cef
!
multilink bundle-name authenticated
!
!
cts logging verbose
!
!
license udi pid CISCO2901/K9 sn FCZ1911C3B2
!
!
username admin privilege 15 secret 5 $1$d1jH$HrbH/XzrhJiUUsdemGWuB0
!
redundancy
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
!
interface Embedded-Service-Engine0/0
 no ip address
 shutdown
!
interface GigabitEthernet0/0
 description PC
 ip address 192.168.0.1 255.255.255.0
 duplex auto
 speed auto
!
interface GigabitEthernet0/1
 description Switch
 ip address 192.168.1.1 255.255.255.0
 duplex auto
 speed auto
!
interface Serial0/0/0
 no ip address
 shutdown
 clock rate 2000000
!
interface Serial0/0/1
 no ip address
 shutdown
 clock rate 2000000
```

```
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
!
!
!
!
control-plane
!
!
banner motd ^CNieautoryzowany dostep zabroniony!^C
!
line con 0
 exec-timeout 300 0
 password 7 030752180500224340191816O4
 logging synchronous
 login
line aux 0
line 2
 no activation-character
 no exec
 transport preferred none
 transport output pad telnet rlogin lapb-ta mop udptn v120 ssh
 stopbits 1
line vty 0 4
 exec-timeout 300 0
 password 7 121A0C0411041A10333B253B20
 logging synchronous
 login local
 transport input ssh
!
scheduler allocate 20000 1000
!
end
```

Output komendy `show ip route`

```
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
       a - application route
       + - replicated route, % - next hop override

Gateway of last resort is not set

      192.168.0.0/24 is variably subnetted, 2 subnets, 2 masks
C        192.168.0.0/24 is directly connected, GigabitEthernet0/0
L        192.168.0.1/32 is directly connected, GigabitEthernet0/0
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C        192.168.1.0/24 is directly connected, GigabitEthernet0/1
L        192.168.1.1/32 is directly connected, GigabitEthernet0/1
```

Output komendy `show ip interface brief`

```
Interface                  IP-Address      OK? Method Status                Protocol
Embedded-Service-Engine0/0 unassigned      YES unset  administratively down down
GigabitEthernet0/0         192.168.0.1     YES manual up                    up
GigabitEthernet0/1         192.168.1.1     YES manual up                    up
Serial0/0/0                unassigned      YES unset  administratively down down
Serial0/0/1                unassigned      YES unset  administratively down down
```

Output komendy `show ipv6 int brief`

```
Em0/0                  [administratively down/down]
    unassigned
GigabitEthernet0/0     [up/up]
    FE80::1
    2001:DB8:ACAD:A::1
GigabitEthernet0/1     [up/up]
    unassigned
Serial0/0/0            [administratively down/down]
    unassigned
Serial0/0/1            [administratively down/down]
    unassigned
```