

# Rozległe sieci komputerowe

## Sprawozdanie z laboratorium

Data	Tytuł zajęć	Uczestnicy
12.03.2018 07:30	Podstawowa konfiguracja routera z użyciem IOS CLI	Iwo Bujkiewicz (226203)

## Wyniki realizacji zadań

Wynik polecenia `show version`

```
R1_Bujkiewicz#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
Copyright (c) 1986-2014 by Cisco Systems, Inc.
Compiled Sat 25-Oct-14 03:34 by prod_rel_team
```

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

```
R1_Bujkiewicz uptime is 23 minutes
System returned to ROM by power-on
System restarted at 08:05:35 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: Reload Command
```

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If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
Cisco CISC02901/K9 (revision 1.0) with 446464K/77824K bytes of memory.
Processor board ID FCZ191195AY
2 Gigabit Ethernet interfaces
2 Serial(sync/async) interfaces
1 terminal line
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 CISC02901/K9 FCZ191195AY

Technology Package License Information for Module:'c2900'

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

Configuration register is 0x0

Wynik polecenia `show startup-config`

```
R1_Bujkiewicz#show startup-config
Using 1721 out of 262136 bytes
!
! Last configuration change at 09:34:59 CET Mon Mar 12 2018
! NVRAM config last updated at 08:25:00 CET Mon Mar 12 2018
!
version 15.4
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
!
hostname R1_Bujkiewicz
!
boot-start-marker
boot-end-marker
!
!
security passwords min-length 10
enable secret 5 $1$mB05$svpRFYE.B.MNNTn1I9Kph/
!
no aaa new-model
memory-size iomem 15
clock timezone CET 1 0
clock summer-time CET recurring
!
!
!
!
!
!
!
!
!
!
!
!
no ip domain lookup
ip cef
no ipv6 cef
multilink bundle-name authenticated
!
!
cts logging verbose
```

```
!  
!  
license udi pid CISC02901/K9 sn FCZ191195AY  
!  
!  
!  
redundancy  
!  
!  
!  
!  
!  
!  
interface Embedded-Service-Engine0/0  
  no ip address  
  shutdown  
!  
interface GigabitEthernet0/0  
  description PC-A  
  ip address 192.168.0.1 255.255.255.0  
  duplex auto  
  speed auto  
!  
interface GigabitEthernet0/1  
  description S1  
  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 ^CUnauthorized access strictly prohibited.^C  
!  
line con 0  
  exec-timeout 5 0  
  password 7 110A1016141D08030A3A2A373B  
  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 5 0  
  password 7 060506324F411F0D1C0713181F  
  logging synchronous  
  login local  
  transport input ssh
```

```

line vty 5 15
  no login
  transport input none
!
scheduler allocate 20000 1000
!
end

```

#### Wynik polecenia `show ip route`

```

R1_Bujkiewicz#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

```

#### Wynik polecenia `show ip interface brief`

```

R1_Bujkiewicz#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

```

#### Wynik polecenia `show ipv6 interface brief`

```

R1_Bujkiewicz#show ipv6 interface 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

```