15.20 Příloha č.20: Konfigurační soubor zařízení S1 z hardware implementace

Building configuration...

Current configuration : 6995 bytes

!

! Last configuration change at 11:32:32 UTC Fri Oct 17 2025

!

version 17.6

service timestamps debug datetime msec

service timestamps log datetime msec

service password-encryption

platform punt-keepalive disable-kernel-core

!

hostname S1

!

!

vrf definition Mgmt-vrf

 !

 address-family ipv4

 exit-address-family

 !

 address-family ipv6

 exit-address-family

!

enable secret 9 9NSUpWxVPS3ECVk$Gje.sq.FNSuTVoMrrM/tofu9UOXbiOUSxk/ImrnQWX.

!

```
no aaa new-model

switch 1 provision c9300l-24t-4g

!

!

!

!

!

!

!

!

!

ip domain name example.com

!

!

!

login on-success log

!

!

!

!

!

!

!

vtp mode transparent

!

!

!

!

!
```

license boot level network-advantage addon dna-advantage

!

!

diagnostic bootup level minimal

!

spanning-tree mode rapid-pvst

spanning-tree extend system-id

memory free low-watermark processor 131688

!

username admin secret 9 $9$51pJ6z4Krkrmw.$DEs8NHMDSvc0JEO0KoypKSsTzQuvdOeK4ZW0f/iqsAo

!

redundancy

 mode sso

!

!

!

!

crypto engine compliance shield disable

!

!

transceiver type all

 monitoring

!

vlan 20

 name PCRdata

!

vlan 21

 name PCRhlas

!

vlan 72

 name managmentPCR

!

vlan 90

 name nativni

!

vlan 100

 name nepoutivane

!

!

class-map match-any system-cpp-police-ewlc-control

  description EWLC Control

class-map match-any system-cpp-police-topology-control

  description Topology control

class-map match-any system-cpp-police-sw-forward

  description Sw forwarding, L2 LVX data packets, LOGGING, Transit Traffic

class-map match-any system-cpp-default

  description EWLC Data, Inter FED Traffic

class-map match-any system-cpp-police-sys-data

  description Openflow, Exception, EGR Exception, NFL Sampled Data, RPF Failed

class-map match-any system-cpp-police-punt-webauth

  description Punt Webauth

class-map match-any system-cpp-police-l2lvx-control

  description L2 LVX control packets

class-map match-any system-cpp-police-forus

  description Forus Address resolution and Forus traffic

class-map match-any system-cpp-police-multicast-end-station

  description MCAST END STATION

class-map match-any system-cpp-police-high-rate-app

  description High Rate Applications

class-map match-any system-cpp-police-multicast

  description MCAST Data

class-map match-any system-cpp-police-l2-control

  description L2 control

class-map match-any system-cpp-police-dot1x-auth

  description DOT1X Auth

class-map match-any system-cpp-police-data

  description ICMP redirect, ICMP_GEN and BROADCAST

class-map match-any system-cpp-police-stackwise-virt-control

  description Stackwise Virtual OOB

class-map match-any non-client-nrt-class

class-map match-any system-cpp-police-routing-control

  description Routing control and Low Latency

class-map match-any system-cpp-police-protocol-snooping

  description Protocol snooping

class-map match-any system-cpp-police-dhcp-snooping

  description DHCP snooping

class-map match-any system-cpp-police-ios-routing

  description L2 control, Topology control, Routing control, Low Latency

class-map match-any system-cpp-police-system-critical

  description System Critical and Gold Pkt

class-map match-any system-cpp-police-ios-feature

  description ICMPGEN,BROADCAST,ICMP,L2LVXCntrl,ProtoSnoop,PuntWebauth,MCASTData,Transit,DOT1XAuth,Swfwd,LOGGING,L2LVXData,ForusTraffic,ForusARP,McastEndStn,Openflow,Exception,EGRExcption,NflSampled,RpfFailed

!

policy-map system-cpp-policy

```
!
!
!
!
!
!
!
!
!
!
!
!
interface Port-channel1
 switchport trunk native vlan 90
 switchport trunk allowed vlan 20,21,72,90
 switchport mode trunk
 switchport nonegotiate
 speed 1000
!
interface GigabitEthernet0/0
 vrf forwarding Mgmt-vrf
 no ip address
 negotiation auto
!
interface GigabitEthernet1/0/1
 switchport access vlan 20
 switchport mode access
!
interface GigabitEthernet1/0/2
```

```
 switchport mode access
 switchport voice vlan 21
 spanning-tree portfast
!
interface GigabitEthernet1/0/3
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/4
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/5
 switchport trunk native vlan 90
 switchport trunk allowed vlan 20,21,72,90
 switchport mode trunk
 switchport nonegotiate
 speed 1000
 channel-group 1 mode on
!
interface GigabitEthernet1/0/6
 switchport trunk native vlan 90
 switchport trunk allowed vlan 20,21,72,90
 switchport mode trunk
 switchport nonegotiate
 speed 1000
 channel-group 1 mode on
```

!

interface GigabitEthernet1/0/7

 switchport access vlan 100

 switchport mode access

 shutdown

!

interface GigabitEthernet1/0/8

 switchport access vlan 100

 switchport mode access

 shutdown

!

interface GigabitEthernet1/0/9

 switchport access vlan 100

 switchport mode access

 shutdown

!

interface GigabitEthernet1/0/10

 switchport access vlan 100

 switchport mode access

 shutdown

!

interface GigabitEthernet1/0/11

 switchport access vlan 100

 switchport mode access

 shutdown

!

interface GigabitEthernet1/0/12

 switchport access vlan 100

 switchport mode access

```
 shutdown
!
interface GigabitEthernet1/0/13
 switchport trunk native vlan 90
 switchport trunk allowed vlan 20,21,72,90
 switchport mode trunk
 switchport nonegotiate
!
interface GigabitEthernet1/0/14
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/15
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/16
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/17
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/18
```

```
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/19
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/20
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/21
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/22
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/0/23
 switchport access vlan 100
 switchport mode access
 shutdown
!
```

```
interface GigabitEthernet1/0/24
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/1/1
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/1/2
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/1/3
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface GigabitEthernet1/1/4
 switchport access vlan 100
 switchport mode access
 shutdown
!
interface AppGigabitEthernet1/0/1
!
interface Vlan1
 no ip address
```

```
!
interface Vlan72
 ip address 172.20.72.10 255.255.255.240
!
ip default-gateway 172.20.72.1
ip forward-protocol nd
ip http server
ip http secure-server
!
!
!
!
!
!
control-plane
 service-policy input system-cpp-policy
!
banner motd ^CPrakticka cast bakalarske prace^C
!
line con 0
 password 7 111C0B1600105E
 login
 stopbits 1
line vty 0 4
 login local
 transport input ssh
line vty 5 31
 login
 transport input ssh
```

!

!

!

!

!

!

!

end