Interpreting Configuration Files

Introduction

In this task, you will explore a switch configuration file. To perform this task, you need to verify the configuration that is provided with this document and answer the questions that are provided in the Tasks section of the document.

For this task you do not need to have any knowledge about device configuration. Read the lines in the file and provide your answers intuitively. You should rely on language interpretation and intuition in answering the configuration.

Configuration file

In this task you will get familiar with the configuration file from a Cisco Catalyst switch and try interpreting the values by reading it.

Configuration files contain the Cisco IOS Software commands that the administrator used to customize the functionality of a Cisco device (router, access server, switch, and so on). The configuration file is like a set of instructions that "tell" a device how to do what it is supposed to do. Commands are parsed (translated and executed) by the Cisco IOS Software when the device system boots. At boot time, a device "reads" the commands from a dedicated file, the startup configuration file. The administrator can also enter the commands at the CLI. The commands get translated and executed immediately and are saved in another special file, the running-config file.

The configuration in this task is copied from the running configuration on a Cisco Catalyst switch, and saved to a text file. To perform the task, download the file "**switch-configuration-example.pdf**."

Tasks

Read through the configuration file. For each configuration parameter provided in the **Configuration Parameter** column, try to find the corresponding value in the configuration file. Write your answers to the **Configuration Value** column of the table. You can also refer to the configuration commands in the **Configuration Command** column for help. The answer for the first parameter, the device hostname, is already filled in.

Configuration Parameter	Configuration Command	Configuration Value
device hostname	*hostname*	*BRANCH-OFFICE-1-SWITCH*
timezone	*clock timezone*	CET
DNS server	*ip name-server*	10.0.1.125
spanning tree mode	*spanning-tree mode*	rapid-pvst
description of interface Port Channel 1	*interface Port-channel1* *description*	Link to the core switch
IP address on interface Vlan101	*interface Vlan101* *ip address*	10.41.1.5 255.255.255.0
IP of default gateway	*ip default-gateway*	10.41.1.1
Switchport mode on interface GigabitEthernet1/0/22	*interface GigabitEthernet1/0/22* *switchport mode*	access
VLAN enabled on interface GigabitEthernet1/0/7	*interface GigabitEthernet1/0/7* *switchport access*	vlan 102
Statement 30 in standard access list 90	*ip access-list standard 90*	10.0.1.85
NTP servers	*ntp server*	10.0.1.1 10.0.1.2
Direction of access list 90 on vty 5 15	*line vty 5 15* *access-class 90*	in

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