

ΣΧΟΛΙΚΗ ΧΡΟΝΙΑ 2023-2024

ΕΞΕΤΑΣΤΕΑ ΥΛΗ

ΓΙΑ ΤΙΣ

ΕΝΙΑΙΕΣ ΤΕΛΙΚΕΣ ΑΠΛΥΘΗΡΙΕΣ ΓΡΑΠΤΕΣ ΕΞΕΤΑΣΕΙΣ

ΣΤΟ ΜΑΘΗΜΑ

ΔΙΚΤΥΑ (ΑΚΑΔΗΜΙΑ CISCO) Γ' ΛΥΚΕΙΟΥ

ΔΕΙΚΤΕΣ – ΕΝΟΤΗΤΕΣ

CCNA2 v7 Switching, Routing, and Wireless Essentials v7.0

1 - Basic Device Configuration

Configure a Switch with Initial Settings; Configure Switch Ports; Secure Remote Access; Basic Router Configuration; Verify Directly Connected Networks.

2 - ~~Switching Concepts~~

~~Frame Forwarding; Switching Domains.~~

3 - VLANs

Overview of VLANs; VLANs in a Multi-Switched Environment; VLAN Configuration; VLAN Trunks; ~~Dynamic Trunking Protocol.~~

4 - Inter-VLAN Routing

Inter-VLAN Routing Operation; Router-on-a-Stick Inter-VLAN Routing; Inter-VLAN Routing using Layer 3 Switches; Troubleshoot Inter-VLAN Routing.

5 - STP Concepts

Purpose of STP; STP Operations; ~~Evolution of STP.~~

6 - EtherChannel

EtherChannel Operation; ~~Configure EtherChannel; Verify and Troubleshoot EtherChannel.~~

7 - DHCPv4

DHCPv4 Concepts; Configure a Cisco IOS DHCPv4 Server; Configure a DHCPv4 Client.

CCNA3 v7 Enterprise Networking, Security, and Automation v7.0 (ENSA)

4 - ACL Concepts

Purpose of ACLs; Wildcard Masks in ACLs; Guidelines for ACL Creation.

5 - ACLs for IPv4 Configuration

Configure Standard IPv4 ACLs; Modify IPv4 ACLs; ~~Secure VTY Ports with a Standard IPv4 ACL.~~

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8 - ~~SLAAC and DHCPv6~~

~~IPv6 GUA Assignment; SLAAC; DHCPv6.~~

9 - ~~HRRP Concepts~~

~~First Hop Redundancy Protocols; HSRP.~~

14 - Routing Concepts

Path Determination; Packet Forwarding; Basic Router Configuration Review; IP Routing Table;

Static and Dynamic Routing.

15 - IP Static Routing

Static Routes; Configure IP Static Routes; Configure IP Default Static Routes; Configure Floating Static Routes; Configure Static Host Routes.

16 - ~~Troubleshoot Static and Default Routes~~

~~Packet Processing with Static Routes; Troubleshoot IPv4 Static and Default Route Configuration.~~

CCNA3 v7 Enterprise Networking, Security, and Automation v7.0 (ENSA)

1 - Single Area OSPFv2 Concepts

OSPF Features and Characteristics; OSPF Packets; OSPF Operation.

2 - Single-Area OSPFv2 Configuration

OSPF Router ID; Point-to-Point OSPF Networks; ~~Multiaccess OSPF Networks; Modify Single-Area OSPFv2; Default Route Propagation; Verify Single-Area OSPFv2.~~

CCNA2 v7 Switching, Routing, and Wireless Essentials v7.0

10 - LAN Security Concepts

Endpoint Security; Access Control; Layer 2 Security Threats; MAC Address Table Attack; LAN Attacks.

11 - Switch Security Configuration

Implement Port Security; ~~Mitigate VLAN Attacks; Mitigate DHCP Attacks; Mitigate ARP Attacks;~~
Mitigate STP Attacks.

12 - ~~WLAN Concepts~~

~~Introduction to Wireless; WLAN Components; WLAN Operation; CAPWAP Operation; Channel Management; WLAN Threats; Secure WLANs.~~

13 - ~~WLAN Configuration~~

~~Remote Site WLAN Configuration; Configure a Basic WLAN on the WLC; Configure a WPA2 Enterprise WLAN on the WLC; Troubleshoot WLAN Issues.~~