

CCNA - Introduction to Networks v7.0 (ITN)

Prepared by Dr. Abdelrhman
Ahmed

orientation

Agenda:

1. Certification Exam Changes
2. Netacad Course Changes
3. Transition to The Version 7

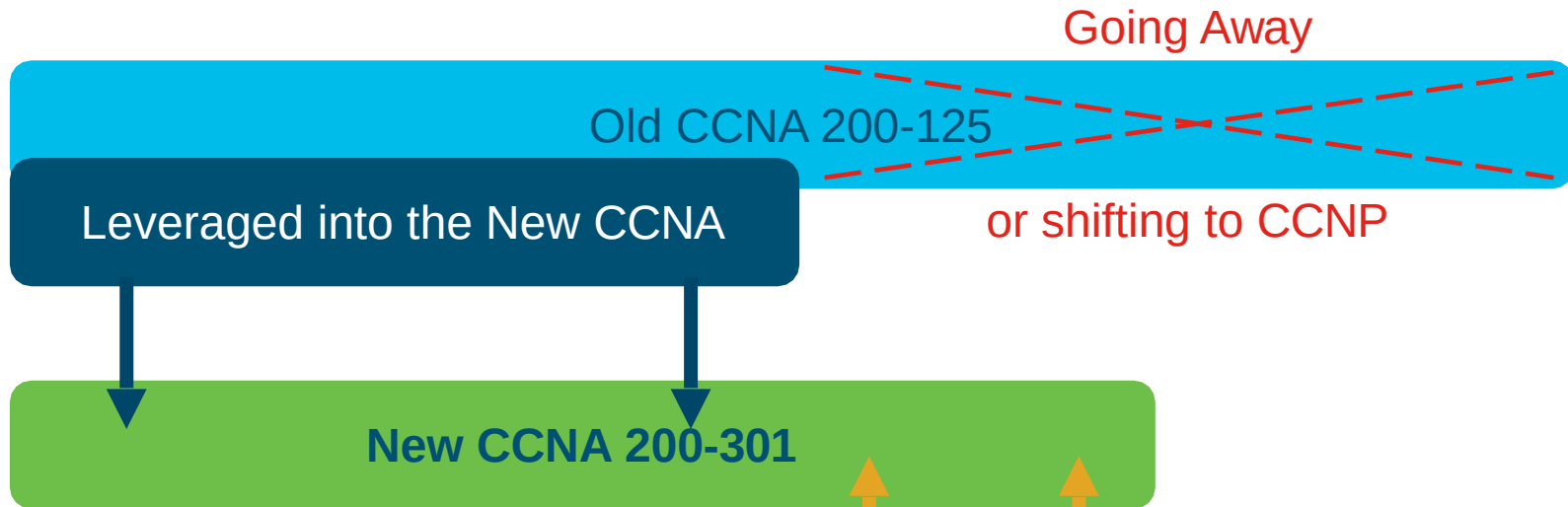
How CCNA Certification is Changing?

200-125 → 200-301

- 10 CCNA Certifications
- CCENT as a Prerequisite for some
- ICND1+ICND2 = CCNA RS
- No Prerequisites
- No CCENT
- No 2 exams scheme



Exam Blueprint Composition



New Topics

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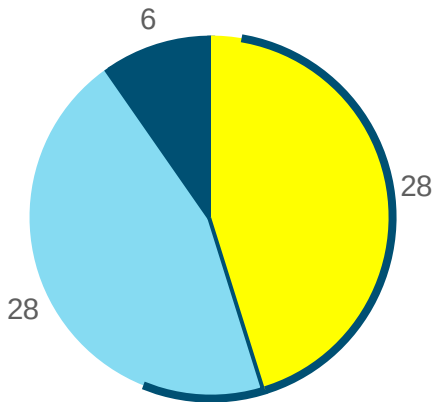
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Theory / Practice Balance in the Blueprint

- Represented by the Number of Exam Blueprint Statements
- Does not reflect real efforts balance as each topic is different

Old CCNA

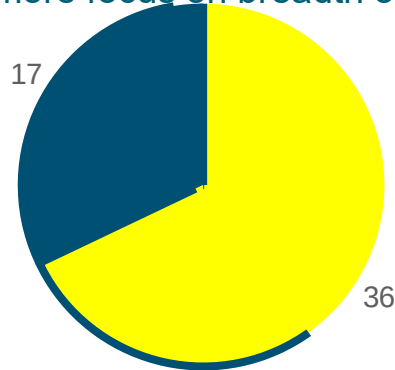


...had more focus on troubleshooting

● Theory ● Configure, Verify, T-Shoot ● Configure, Verify

New CCNA

...has more focus on breadth of knowledge

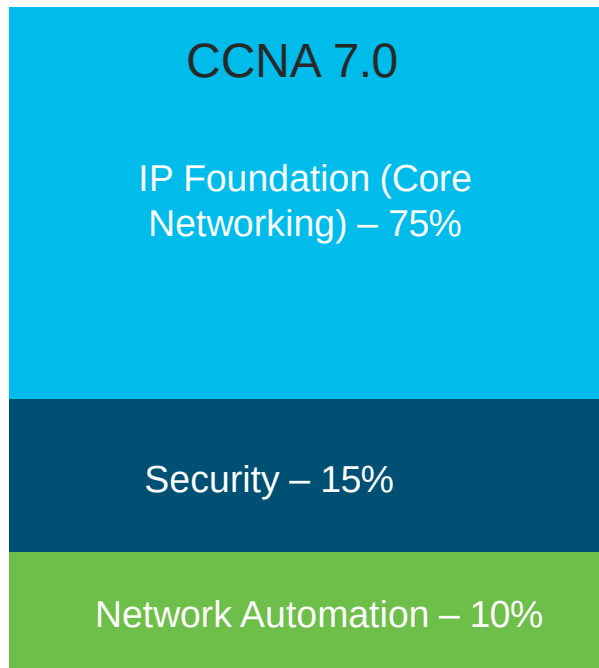


● Theory ● Configure, Verify, T-Shoot ● Configure, Verify

Key topics removed from blueprint:

- VTP (1,2)
- Multi-area OSPF
- OSPFv3
- HSRP
- NetFlow
- EIGRP
- RIP, RIPv2
- BGP
- PPP, PPOE, HDLC
- GRE

CCNA 7 Focus Areas and Major Differences



CCNA v6

280 hrs

4 Courses

CCENT /
CCNA

CCNA 7.0

~ 200 hrs

3 Courses

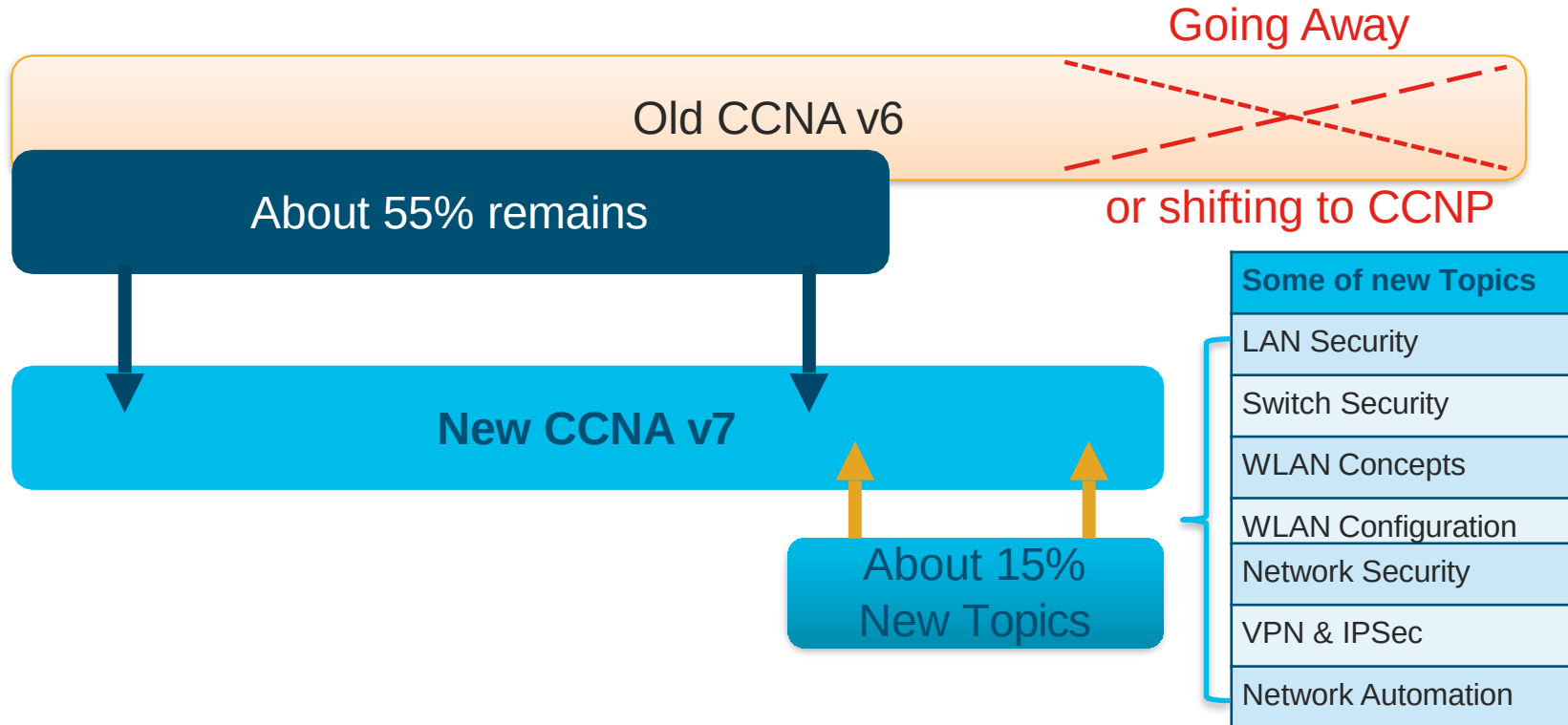
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Relative Netacad Course Comparison by Size



CCNA 7.0 Course Outlines

CCNA v7 Course #1

Networking Today
Basic Switch and End Device Configuration
Protocol Models
Physical Layer
Number Systems
Data Link Layer
Ethernet Switching
Network Layer
Address Resolution
Basic Router Configuration
IPv4 Addressing
IPv6 Addressing
ICMP
Transport Layer
Application Layer
Network Security Fundamentals
Build a Small Network

CCNA v7 Course #2

Basic Device Configuration
Switching Concepts
VLANs
Inter-VLAN Routing
STP
Etherchannel
DHCPv4
SLAAC and DHCPv6 Concepts
FHRP Concepts
LAN Security Concepts
Switch Security Configuration
WLAN Concepts
WLAN Configuration
Routing Concepts
IP Static Routing
Troubleshoot Static and Default Routes

CCNA v7 Course #3

Single-Area OSPFv2 Concepts
Single-Area OSPFv2 Configuration
WAN Concepts
Network Security Concepts
ACL Concepts
ACLs for IPv4 Configuration
NAT for IPv4
VPN and IPsec Concepts
QoS Concepts
Network Management
Network Design
Network Troubleshooting
Network Virtualization
Network Automation

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