


Master Cisco CCNA 200-301: Comprehensive All-in-One Course

65 sections • 126 lectures • 49h 12m total length

[Collapse all sections](#)

|   |                                                                                                          |                               |
|---|----------------------------------------------------------------------------------------------------------|-------------------------------|
| ^ | <b>Welcome!</b>                                                                                          | 1 lecture • 3min              |
| 📄 | <a href="#">Welcome to the Course!</a>                                                                   | <a href="#">Preview</a> 03:05 |
| ^ | <b>Day 1 - Network Devices</b>                                                                           | 3 lectures • 53min            |
| 📄 | Lecture: Network Devices                                                                                 | 29:53                         |
| 📄 | Extra: Using Anki Flashcards                                                                             | 11:10                         |
| 📄 | Lab: Packet Tracer Introduction                                                                          | 12:25                         |
| ^ | <b>Day 2 - Interfaces and Cables</b>                                                                     | 2 lectures • 40min            |
| 📄 | Lecture: Interfaces and Cables                                                                           | 34:38                         |
| 📄 | Lab: Connecting Devices                                                                                  | 04:59                         |
| ^ | <b>Day 3 - OSI Model &amp; TCP/IP Suite</b>                                                              | 2 lectures • 40min            |
| 📄 | Lecture: OSI Model & TCP/IP Suite                                                                        | 32:09                         |
| 📄 | Lab: OSI Model                                                                                           | 07:33                         |
| ^ | <b>Day 4 - Intro to the CLI</b>                                                                          | 2 lectures • 39min            |
| 📄 | Lecture: Intro to the CLI                                                                                | 29:39                         |
| 📄 | Lab: Basic Device Security                                                                               | 09:48                         |
| ^ | <b>Day 5 - Ethernet LAN Switching (part 1)</b>                                                           | 1 lecture • 37min             |
| 📄 | Lecture: Ethernet LAN Switching (part 1)                                                                 | 37:16                         |
| ^ | <b>Day 6 - Ethernet LAN Switching (part 2)</b>                                                           | 2 lectures • 43min            |
| 📄 | Lecture: Ethernet LAN Switching (part 2)                                                                 | 32:53                         |
| 📄 | Lab: Analyzing Ethernet Switching                                                                        | 10:06                         |
| ^ | <b>Day 7 - IPv4 Addressing (part 1)</b>                                                                  | 1 lecture • 39min             |
| 📄 | Lecture: IPv4 Addressing (part 1)                                                                        | 39:18                         |
| ^ | <b>Day 8 - IPv4 Addressing (part 2)</b>                                                                  | 2 lectures • 40min            |
| 📄 | Lecture: IPv4 Addressing (part 2)                                                                        | 29:49                         |
| 📄 | Lab: Configuring IP Addresses                                                                            | 09:43                         |
| ^ | <b>Day 9 - Switch Interfaces</b>                                                                         | 2 lectures • 43min            |
| 📄 | Lecture: Switch Interfaces                                                                               | 31:31                         |
| 📄 | Lab: Configuring Interfaces                                                                              | 11:31                         |
| ^ | <b>Day 10 - The IPv4 Header</b>                                                                          | 1 lecture • 29min             |
| 📄 | Lecture: The IPv4 Header                                                                                 | 29:08                         |
| ^ | <b>Day 11 - Routing Fundamentals &amp; Static Routing</b>                                                | 4 lectures • 1hr 27min        |
| 📄 | <a href="#">Lecture: Routing Fundamentals</a>                                                            | <a href="#">Preview</a> 29:23 |
| 📄 | Lecture: Static Routing                                                                                  | 36:07                         |
| 📄 | Lab: Configuring Static Routes                                                                           | 12:08                         |
| 📄 | Lab: Troubleshooting Static Routes                                                                       | 09:02                         |
| ^ | <b>Day 12 - The Life of a Packet</b>                                                                     | 2 lectures • 34min            |
| 📄 | Lecture: The Life of a Packet                                                                            | 18:53                         |
| 📄 | Lab: The Life of a Packet                                                                                | 15:02                         |
| ^ | <b>Day 13 - Subnetting (part 1)</b>                                                                      | 1 lecture • 27min             |
| 📄 | Lecture: Subnetting (part 1)                                                                             | 27:27                         |
| ^ | <b>Day 14: Subnetting (part 2)</b>                                                                       | 1 lecture • 24min             |
| 📄 | Lecture: Subnetting (part 2)                                                                             | 23:56                         |
| ^ | <b>Day 15 - Subnetting (part 3 - VLSM)</b>                                                               | 2 lectures • 38min            |
| 📄 | Lecture: Subnetting (part 3 - VLSM)                                                                      | 22:56                         |
| 📄 | Lab: Subnetting (VLSM)                                                                                   | 14:55                         |
| ^ | <b>Day 16 - VLANs (part 1)</b>                                                                           | 2 lectures • 33min            |
| 📄 | Lecture: VLANs (part 1)                                                                                  | 22:42                         |
| 📄 | Lab: VLANs (part 1)                                                                                      | 10:35                         |
| ^ | <b>Day 17 - VLANs (part 2)</b>                                                                           | 2 lectures • 50min            |
| 📄 | Lecture: VLANs (part 2)                                                                                  | 38:42                         |
| 📄 | Lab: VLANs (part 2)                                                                                      | 11:30                         |
| ^ | <b>Day 18 - VLANs (part 3)</b>                                                                           | 2 lectures • 39min            |
| 📄 | Lecture: VLANs (part 3)                                                                                  | 29:35                         |
| 📄 | Lab: VLANs (part 3)                                                                                      | 09:29                         |
| ^ | <b>Day 19 - DTP &amp; VTP</b>                                                                            | 2 lectures • 46min            |
| 📄 | Lecture: DTP & VTP                                                                                       | 35:40                         |
| 📄 | Lab: DTP & VTP                                                                                           | 10:41                         |
| ^ | <b>Day 20 - Spanning Tree Protocol (part 1)</b>                                                          | 2 lectures • 47min            |
| 📄 | Lecture: Spanning Tree Protocol (part 1)                                                                 | 36:15                         |
| 📄 | Lab: Analyzing STP                                                                                       | 10:31                         |
| ^ | <b>Day 21 - Spanning Tree Protocol (part 2)</b>                                                          | 6 lectures • 2hr 4min         |
| 📄 | Lecture: Spanning Tree Protocol (part 2)                                                                 | 40:02                         |
| 📄 | <a href="#">Lecture: PortFast</a>                                                                        | <a href="#">Preview</a> 17:33 |
| 📄 | Lecture: BPDU Guard & BPDU Filter                                                                        | 22:09                         |
| 📄 | Lecture: Root Guard                                                                                      | 17:14                         |
| 📄 | Lecture: Loop Guard                                                                                      | 16:22                         |
| ^ | <b>Day 22 - Rapid Spanning Tree Protocol (RSTP)</b>                                                      | 2 lectures • 50min            |
| 📄 | Lecture: Rapid Spanning Tree Protocol (RSTP)                                                             | 40:17                         |
| 📄 | Lab: Rapid Spanning Tree Protocol (RSTP)                                                                 | 09:49                         |
| ^ | <b>Day 23 - EtherChannel</b>                                                                             | 2 lectures • 53min            |
| 📄 | Lecture: EtherChannel                                                                                    | 39:19                         |
| 📄 | Lab: Configuring EtherChannel                                                                            | 14:04                         |
| ^ | <b>Day 24 - Dynamic Routing</b>                                                                          | 2 lectures • 54min            |
| 📄 | Lecture: Dynamic Routing                                                                                 | 42:23                         |
| 📄 | Lab: Floating Static Routes                                                                              | 11:55                         |
| ^ | <b>Day 25 - RIP &amp; EIGRP</b>                                                                          | 2 lectures • 1hr 5min         |
| 📄 | Lecture: RIP & EIGRP                                                                                     | 40:57                         |
| 📄 | Lab: Configuring EIGRP                                                                                   | 23:46                         |
| ^ | <b>Day 26 - OSPF (part 1)</b>                                                                            | 2 lectures • 50min            |
| 📄 | Lecture: OSPF (part 1)                                                                                   | 37:23                         |
| 📄 | Lab: Configuring OSPF (part 1)                                                                           | 12:16                         |
| ^ | <b>Day 27 - OSPF (part 2)</b>                                                                            | 2 lectures • 48min            |
| 📄 | Lecture: OSPF (part 2)                                                                                   | 34:35                         |
| 📄 | Lab: Configuring OSPF (part 2)                                                                           | 13:54                         |
| ^ | <b>Day 28 - OSPF (part 3)</b>                                                                            | 2 lectures • 59min            |
| 📄 | Lecture: OSPF (part 3)                                                                                   | 46:08                         |
| 📄 | Lab: Configuring OSPF (part 3)                                                                           | 12:37                         |
| ^ | <b>Day 29 - First Hop Redundancy Protocols</b>                                                           | 2 lectures • 48min            |
| 📄 | Lecture: First Hop Redundancy Protocols                                                                  | 38:27                         |
| 📄 | Lab: Configuring HSRP                                                                                    | 09:16                         |
| ^ | <b>Day 30 - TCP &amp; UDP</b>                                                                            | 2 lectures • 41min            |
| 📄 | Lecture: TCP & UDP                                                                                       | 31:49                         |
| 📄 | Lab: Wireshark demo                                                                                      | 08:46                         |
| ^ | <b>Day 31 - IPv6 (part 1)</b>                                                                            | 2 lectures • 44min            |
| 📄 | Lecture: IPv6 (part 1)                                                                                   | 36:52                         |
| 📄 | Lab: Configuring IPv6 (part 1)                                                                           | 06:47                         |
| ^ | <b>Day 32 - IPv6 (part 2)</b>                                                                            | 2 lectures • 45min            |
| 📄 | Lecture: IPv6 (part 2)                                                                                   | 36:44                         |
| 📄 | Lab: Configuring IPv6 (part 2)                                                                           | 08:42                         |
| ^ | <b>Day 33 - IPv6 (part 3)</b>                                                                            | 2 lectures • 52min            |
| 📄 | Lecture: IPv6 (part 3)                                                                                   | 41:29                         |
| 📄 | Lab: Configuring IPv6 (part 3)                                                                           | 10:08                         |
| ^ | <b>Day 34 - Standard ACLs</b>                                                                            | 2 lectures • 57min            |
| 📄 | Lecture: Standard ACLs                                                                                   | 44:43                         |
| 📄 | Lab: Standard ACLs                                                                                       | 12:19                         |
| ^ | <b>Day 35 - Extended ACLs</b>                                                                            | 2 lectures • 47min            |
| 📄 | Lecture: Extended ACLs                                                                                   | 38:50                         |
| 📄 | Lab: Extended ACLs                                                                                       | 08:28                         |
| ^ | <b>Day 36 - CDP &amp; LLDP</b>                                                                           | 2 lectures • 53min            |
| 📄 | Lecture: CDP & LLDP                                                                                      | 37:19                         |
| 📄 | Lab: CDP & LLDP                                                                                          | 15:12                         |
| ^ | <b>Day 37 - Network Time Protocol (NTP)</b>                                                              | 2 lectures • 51min            |
| 📄 | Lecture: NTP                                                                                             | 40:57                         |
| 📄 | Lab: Configuring NTP                                                                                     | 10:07                         |
| ^ | <b>Day 38 - Domain Name System (DNS)</b>                                                                 | 2 lectures • 35min            |
| 📄 | Lecture: DNS                                                                                             | 28:06                         |
| 📄 | Lab: Configuring DNS                                                                                     | 07:16                         |
| ^ | <b>Day 39 - Dynamic Host Configuration Protocol (DHCP)</b>                                               | 2 lectures • 42min            |
| 📄 | Lecture: DHCP                                                                                            | 35:02                         |
| 📄 | Lab: Configuring DHCP                                                                                    | 07:20                         |
| ^ | <b>Day 40 - Simple Network Management Protocol (SNMP)</b>                                                | 2 lectures • 33min            |
| 📄 | Lecture: SNMP                                                                                            | 27:22                         |
| 📄 | Lab: Configuring SNMP                                                                                    | 05:11                         |
| ^ | <b>Day 41 - Syslog</b>                                                                                   | 2 lectures • 33min            |
| 📄 | Lecture: Syslog                                                                                          | 25:59                         |
| 📄 | Lab: Configuring Syslog                                                                                  | 07:01                         |
| ^ | <b>Day 42 - Secure Shell (SSH)</b>                                                                       | 2 lectures • 37min            |
| 📄 | Lecture: SSH                                                                                             | 29:09                         |
| 📄 | Lab: Configuring SSH                                                                                     | 07:25                         |
| ^ | <b>Day 43 - File Transfer Protocol (FTP) &amp; Trivial File Transfer Protocol (TFTP)</b>                 | 2 lectures • 36min            |
| 📄 | Lecture: FTP & TFTP                                                                                      | 29:02                         |
| 📄 | Lab: FTP & TFTP                                                                                          | 07:13                         |
| ^ | <b>Day 44 - Network Address Translation (NAT) (part 1)</b>                                               | 2 lectures • 36min            |
| 📄 | Lecture: NAT (part 1)                                                                                    | 30:13                         |
| 📄 | Lab: Static NAT                                                                                          | 05:23                         |
| ^ | <b>Day 45 - Network Address Translation (NAT) (part 2)</b>                                               | 2 lectures • 34min            |
| 📄 | Lecture: NAT (part 2)                                                                                    | 27:46                         |
| 📄 | Lab: Dynamic NAT                                                                                         | 06:34                         |
| ^ | <b>Day 46 - Quality of Service (QoS) (part 1)</b>                                                        | 2 lectures • 37min            |
| 📄 | Lecture: QoS (part 1)                                                                                    | 30:35                         |
| 📄 | Lab: Voice VLANs                                                                                         | 06:25                         |
| ^ | <b>Day 47 - Quality of Service (QoS) (part 2)</b>                                                        | 2 lectures • 54min            |
| 📄 | Lecture: QoS (part 2)                                                                                    | 39:39                         |
| 📄 | Lab: Configuring QoS                                                                                     | 13:52                         |
| ^ | <b>Day 48 - Security Fundamentals</b>                                                                    | 2 lectures • 46min            |
| 📄 | Lecture: Security Fundamentals                                                                           | 36:54                         |
| 📄 | Lab: Kali Linux Demo  | 09:16                         |
| ^ | <b>Day 49 - Port Security</b>                                                                            | 2 lectures • 41min            |
| 📄 | Lecture: Port Security                                                                                   | 32:37                         |
| 📄 | Lab: Configuring Port Security                                                                           | 08:20                         |
| ^ | <b>Day 50 - DHCP Snooping</b>                                                                            | 2 lectures • 32min            |
| 📄 | Lecture: DHCP Snooping                                                                                   | 26:35                         |
| 📄 | Lab: Configuring DHCP Snooping                                                                           | 04:58                         |
| ^ | <b>Day 51 - Dynamic ARP Inspection (DAI)</b>                                                             | 2 lectures • 38min            |
| 📄 | Lecture: DAI                                                                                             | 30:53                         |
| 📄 | Lab: Configuring DAI                                                                                     | 07:36                         |
| ^ | <b>Day 52 - LAN Architectures</b>                                                                        | 2 lectures • 34min            |
| 📄 | Lecture: LAN Architectures                                                                               | 25:57                         |
| 📄 | Lab: STP & FHRP Synchronization                                                                          | 08:08                         |
| ^ | <b>Day 53 - WAN Architectures</b>                                                                        | 2 lectures • 45min            |
| 📄 | Lecture: WAN Architectures                                                                               | 35:36                         |
| 📄 | Lab: GRE Tunnels                                                                                         | 09:48                         |
| ^ | <b>Day 54 - Virtualization &amp; Cloud</b>                                                               | 4 lectures • 1hr 13min        |
| 📄 | Lecture: Virtualization & Cloud                                                                          | 36:41                         |
| 📄 | Lecture: Containers                                                                                      | 11:53                         |
| 📄 | <a href="#">Lecture: Virtual Router &amp; Forwarding (VRF)</a>                                           | <a href="#">Preview</a> 16:24 |
| 📄 | Lab: Oracle VirtualBox                                                                                   | 07:35                         |
| ^ | <b>Day 55 - Wireless Fundamentals</b>                                                                    | 1 lecture • 34min             |
| 📄 | Lecture: Wireless Fundamentals                                                                           | 34:05                         |
| ^ | <b>Day 56 - Wireless Architectures</b>                                                                   | 1 lecture • 36min             |
| 📄 | Lecture: Wireless Architectures                                                                          | 36:27                         |
| ^ | <b>Day 57 - Wireless Security</b>                                                                        | 1 lecture • 32min             |
| 📄 | Lecture: Wireless Security                                                                               | 31:54                         |
| ^ | <b>Day 58 - Wireless Configuration</b>                                                                   | 2 lectures • 1hr 1min         |
| 📄 | Lecture: Wireless LAN Configuration                                                                      | 44:40                         |
| 📄 | Lab: Wireless LAN Configuration                                                                          | 16:16                         |
| ^ | <b>Day 59 - Intro to Network Automation</b>                                                              | 2 lectures • 1hr 10min        |
| 📄 | Lecture: Intro to Network Automation                                                                     | 31:40                         |
| 📄 | Lecture: AI & Machine Learning                                                                           | 38:49                         |
| ^ | <b>Day 60 - JSON, XML, &amp; YAML</b>                                                                    | 1 lecture • 27min             |
| 📄 | Lecture: JSON, XML, & YAML                                                                               | 27:17                         |
| ^ | <b>Day 61 - REST APIs</b>                                                                                | 1 lecture • 30min             |
| 📄 | Lecture: REST APIs                                                                                       | 30:07                         |
| ^ | <b>Day 62 - Software-Defined Networking (SDN)</b>                                                        | 1 lecture • 27min             |
| 📄 | Lecture: SDN                                                                                             | 26:45                         |
| ^ | <b>Day 63 - Ansible, Puppet, &amp; Chef</b>                                                              | 1 lecture • 20min             |
| 📄 | Lecture: Ansible, Puppet, & Chef                                                                         | 19:49                         |
| ^ | <b>Complete Network Configuration - CCNA Mega Lab!</b>                                                   | 2 lectures • 2hr 37min        |
| 📄 | Lab: CCNA Mega Lab (Parts 1 to 5)                                                                        | 01:29:07                      |
| 📄 | CCNA Mega Lab (Parts 6 to 9)                                                                             | 01:07:28                      |

Requirements

- For absolute beginners! No networking, programming, or other IT skills are required.