

CCST Networking Cheat Sheet 2026

The night-before summary, built like the exam.

— Questions	50m Time limit	Pass/Fail Passing score
\$125 Exam fee	Cisco Governing body	

A dense, scannable reference for the Cisco Certified Support Technician (CCST) Networking exam — an entry-level credential aimed at help desk and IT support technicians.

Exam Logistics At-a-Glance

Item	Detail
Exam code	100-150
Duration	50 minutes
Registration cost	125 USD
Voucher price	130 USD
Delivery	Certiport (a Pearson VUE business)
Scoring	Pass/fail (no published numeric cut score)
Prerequisites	None
Domains	6

- The exam voucher covers a single attempt; a separate voucher is needed for each of the 3 CCST exams, so budget accordingly if retesting.
- Vouchers can be redeemed at a Certiport Authorized Testing Center or scheduled for remote proctoring.
- No formal prerequisites are enforced, but Cisco recommends candidates have real-world exposure before sitting the exam.

Who This Exam Is For

- Network Support Technicians
- IT Support Technicians
- Help Desk Technicians
- IT Support Specialists

CCST Networking is explicitly positioned as an entry point into the Cisco certification track and the recommended first step toward CCNA — treat it as a foundation exam, not a deep technical one.

The 6 Official Content Domains

1. Standards and Concepts — TCP/IP model, OSI model, frames vs. packets, and network types (LAN, WAN, MAN, CAN, PAN, WLAN).
2. Addressing and Subnet Formats — private vs. public addressing, IPv4 addresses and subnet formats, IPv6 addresses

and prefix formats.

3. Endpoints and Media Types — cables and connectors, Wi-Fi vs. cellular vs. wired technologies, connecting devices across different operating systems.
4. Infrastructure — Cisco device status lights, reading network diagrams and cabling, device ports, basic routing and switching concepts.
5. Diagnosing Problems — troubleshooting methodology, packet capture with Wireshark, basic diagnostic commands, and basic Cisco device show commands.
6. Security — firewall traffic filtering, foundational security concepts (CIA, AAA), and configuring basic wireless security (WPA, WPA2, WPA3).

Cisco's official objective document does not publish a percentage weighting for each domain, so do not assume any domain is safe to skip — treat all six as equally testable.

Key Terms and Concepts to Memorize

- OSI vs. TCP/IP models — know the layer names, order, and what encapsulates what (data, segment, packet, frame, bits).
- Private IPv4 ranges — memorize the RFC 1918 blocks (10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16) and how they differ from public addressing.
- IPv6 shorthand rules — zero compression (::), leading-zero omission, and standard prefix notation.
- CIA triad — Confidentiality, Integrity, Availability, the backbone of the security domain.
- AAA — Authentication, Authorization, Accounting.
- WPA/WPA2/WPA3 — know which is deprecated, which is current baseline, and what each adds (e.g., stronger encryption, forward secrecy in WPA3).
- Cisco device status lights — link/activity LEDs and what solid vs. blinking vs. off typically indicates.
- Common show commands — recognize commands used to check interface status, routing tables, and basic device configuration.
- Cable/connector types — straight-through vs. crossover, fiber vs. copper, common connector families (RJ45, LC/SC for fiber).

Common Gotchas and Traps

- Don't assume there's a published passing percentage to aim for — this exam is strictly pass/fail with no disclosed cut score, so there's no partial-credit strategy to game.
- Frames vs. packets vs. segments are frequently confused — anchor each term to its OSI layer, not just "data going over the network."
- Public vs. private addressing questions often hinge on recognizing RFC 1918 ranges at a glance — memorize the three blocks cold.
- Diagnosing Problems questions may reference Wireshark captures or show-command output — practice reading, not just naming, these tools.
- Security domain questions can blend AAA and CIA concepts in the same scenario — don't treat them as separate silos.
- Because domain weighting isn't published, don't neglect the security or diagnostics domains just because they feel secondary to core addressing topics.

Night-Before Checklist

- Confirm your testing method — Certiport Authorized Testing Center in person, or remote proctoring — and double-check the exact appointment time and any ID requirements.
- Re-verify your voucher is valid for exam code 100-150 specifically, since each CCST exam requires its own separate voucher.
- Do a final pass on all 6 domains rather than deep-diving one topic — breadth matters more than depth for this entry-level exam.

- Review the OSI/TCP/IP layer order and private IPv4 ranges one more time; these fundamentals underpin multiple domains.
- Skim basic Cisco show commands and status-light meanings so you can recognize them quickly under the 50-minute time limit.
- Get sleep — with only 50 minutes on the clock, mental speed matters as much as knowledge recall.

Official sources

- Cisco — CCST Networking Objective Domains (Exam 100-150):
https://learningcontent.cisco.com/documents/CCST+Networking+Objective+Domain_Cisco_Final_wCiscoLogo.pdf
- Cisco — CCST Networking Exam Overview:
<https://www.cisco.com/site/us/en/learn/training-certifications/exams/ccst-networking.html>
- Certiport (Pearson VUE) — Cisco Certified Support Technician Exam Voucher — Certiport Store:
<https://store.certiport.com/ccst-single-exam-voucher/p/12008170>

Free practice questions for this exam: www.everyexamprep.com/exams/cisco-ccst-networking/practice-test