

CompTIA JK0-019 Exam Prep 2026

CompTIA JK0-019 Network+ 2026. Network infrastructure, troubleshooting, and hands-on practice.

[IT Certifications](#) Instructor: Jason Miller • 5 sections • 50 lessons • 15.75h total

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About this course

Preparing for the CompTIA JK0-019 exam can feel overwhelming with so many topics to cover, from network infrastructure to troubleshooting. This course helps you focus your study time on the most important areas, using clear explanations and practical examples that mirror the 2026 exam.

We will walk through real network scenarios, break down complex topics into simple steps, and provide downloadable study checklists. You will get hands-on practice with troubleshooting exercises, configuration walkthroughs, and detailed answer explanations.

Course curriculum

Foundations and Exam Overview

- **Understanding the JK0-019 Exam Structure (12m)**
We'll break down the exam format, question types, and scoring so you know exactly what to expect on test day.
- **Key Networking Concepts to Master First (18m)**
Learn the core network models and protocols that form the basis of most exam questions.
- **Setting Up Your Study Environment (8m)**
Create a practical study plan with our downloadable template to organize your prep time effectively.
- **How to Read Exam Questions Like a Pro (15m)**
Develop strategies to identify what a question is really asking and avoid trick answers.
- **Building Your Network Vocabulary (22m)**
A step-by-step guide to the essential terminology you'll need to know for the exam.
- **Real-World Network Scenarios Explained (25m)**
We'll analyze common network setups to help you connect theory with practical application.
- **Downloadable Exam Day Checklist (10m)**
Get our printable checklist covering everything you need to bring and do before the exam.
- **Common Study Pitfalls and How to Avoid Them (14m)**
Learn from others' mistakes with this problem-solving session on study habits.

Network Infrastructure and Hardware

- **Understanding Network Topologies and Types (20m)**
Compare bus, star, ring, and mesh topologies with real case study examples.
- **How to Choose the Right Network Hardware (28m)**
A practical guide to routers, switches, and access points for different business needs.
- **Cabling and Connector Standards Explained (19m)**
Learn to identify and work with Cat5e, Cat6, fiber, and other common cabling types.
- **Configuring Basic Network Devices Step-by-Step (32m)**
Walk through initial setup and configuration for typical network equipment.
- **Wireless Network Standards and Deployment (24m)**
Understand 802.11 standards and how to plan wireless network deployments.
- **Network Storage Solutions and NAS Setup (16m)**
Explore RAID configurations and network-attached storage basics.
- **Understanding Cloud Network Infrastructure (21m)**
How cloud networking differs from traditional setups and what to know for the exam.
- **SFP Modules and Transceiver Types (11m)**
A quick guide to fiber and copper transceivers used in modern networks.
- **Network Documentation Best Practices (13m)**
Learn how to create network diagrams and documentation that exam graders look for.

Protocols, Security, and Network Management

- **TCP/IP Protocol Suite Deep Dive (26m)**
Break down the TCP/IP model and how each layer works in practice.
- **Understanding DNS, DHCP, and NTP (18m)**
Real-world examples of how these essential services operate and interact.
- **Network Security Fundamentals and Threats (23m)**
Identify common network attacks and the security measures to counter them.
- **Implementing Firewalls and Access Control (29m)**
Step-by-step walkthrough of firewall rules and network segmentation.
- **VPN Configuration and Remote Access (22m)**
Set up secure remote connections using common VPN protocols.
- **Network Monitoring Tools and Techniques (17m)**
Learn to use ping, traceroute, and other tools to diagnose network health.
- **SNMP and Network Management Systems (15m)**
Understand how SNMP works and how to configure basic monitoring.
- **IPv4 vs IPv6: What You Need to Know (20m)**
A comparison of addressing schemes with practical subnetting examples.
- **Wireless Security Protocols and Authentication (16m)**
WPA2, WPA3, and enterprise wireless security concepts explained.

Advanced Troubleshooting and Problem Solving

- **Troubleshooting Methodology for the Exam (14m)**
Follow a structured approach to solving network problems efficiently.
- **Diagnosing Physical Layer Issues (19m)**
Hands-on guide to identifying cable faults and hardware failures.
- **Solving Network Performance Problems (27m)**
Real case studies on latency, bandwidth, and congestion issues.
- **Fixing DNS and Name Resolution Errors (16m)**
Step-by-step troubleshooting for common DNS misconfigurations.
- **Wireless Connectivity Troubleshooting (21m)**
Address interference, signal strength, and authentication problems.
- **Interpreting Log Files and Error Messages (18m)**
Learn to read system logs to pinpoint the root cause of issues.
- **Problem-Solving Session: Multi-Vendor Networks (30m)**
Work through complex scenarios involving mixed hardware environments.
- **Using Command-Line Tools for Diagnostics (24m)**
Master ipconfig, netstat, nslookup, and other essential CLI tools.
- **When to Escalate and Document Network Issues (12m)**
Best practices for ticketing and knowledge base entries.
- **Final Exam Review: Troubleshooting Scenarios (25m)**
Practice exam-style questions with detailed answer explanations.

Implementation, Best Practices, and Exam Day

- **Planning a Network Rollout Step-by-Step (22m)**
From initial assessment to go-live, a complete implementation checklist.
- **Business Continuity and Disaster Recovery Planning (20m)**
Understand backup strategies and failover configurations.
- **Network Documentation Templates and Tools (16m)**
Downloadable templates for asset tracking and change management.
- **Change Management in Network Environments (14m)**
How to implement changes without disrupting business operations.
- **Performance Baselining and Capacity Planning (18m)**
Learn to forecast network growth and resource needs.
- **Security Policy Implementation for Networks (19m)**
Translate security policies into practical network configurations.
- **Virtualization and Its Impact on Networking (23m)**
How virtual switches and VLANs affect your network design.
- **Mobile Device Management and BYOD Strategies (17m)**
Secure network access for smartphones and tablets.
- **Advanced Exam Question Practice Session (31m)**
Tackle challenging questions with in-depth explanations of correct answers.
- **Time Management During the Exam (11m)**
Strategies to pace yourself and answer all questions within time limits.
- **Reviewing Your Practice Test Results (15m)**
How to analyze mistakes and focus your final study efforts.
- **Exam Day Preparation and What to Expect (13m)**
A complete walkthrough of exam day procedures and tips.
- **Career Paths After JK0-019 Certification (12m)**
Explore next steps and how to leverage your new certification.
- **Final Words and Encouragement (8m)**
A quick wrap-up and confidence boost before you head into the exam.

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