



COMPTIA NETWORK PROFESSIONAL PROGRAM

RCTM Ramaq
Chools
Consulting & Training

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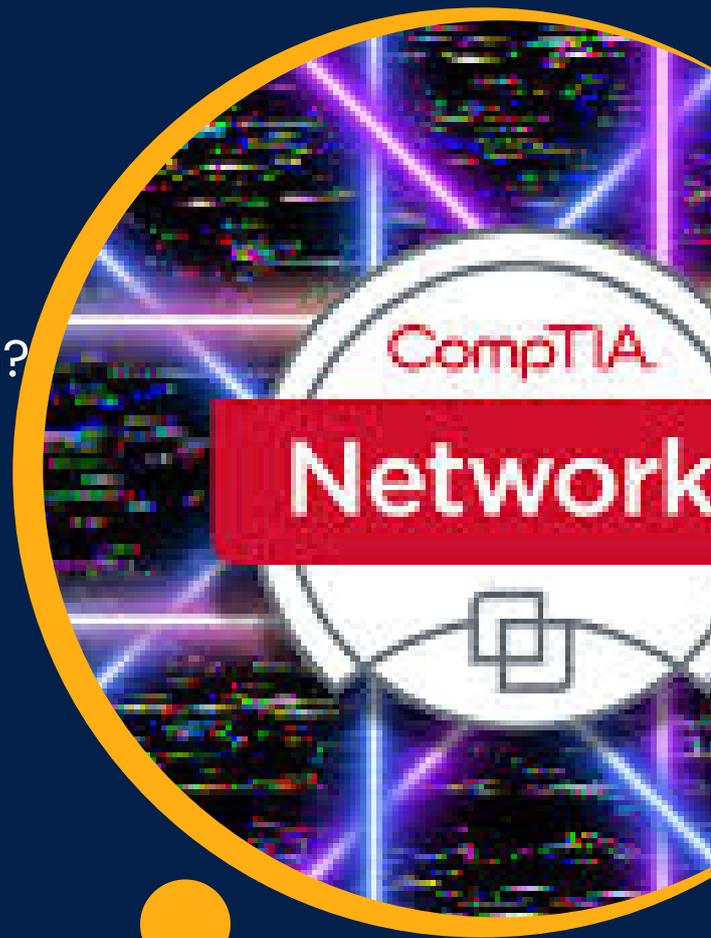
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INTRODUCTION TO COMPTIA NETWORK PROFESSIONAL

Welcome, future networking expert! CompTIA Network+ is a course that builds the knowledge and skills required to troubleshoot, configure, and manage both wired and wireless networks found in companies around the world. It covers topics such as network services, routing technologies, ethernet solutions, wireless technologies, network security, and network troubleshooting. This course will prepare you for the N10-008 exam to attain the certification.





Why Choose Chools?

Numbers That Speak for Themselves:

- 10,000+ Successful Alumni: Join a network of impactful professionals.
- 95% Job Placement Rate: Secure your future with Chools' proven track record.
- 20+ Years of Excellence: Trust in a legacy of education and industry expertise.
- 200+ Industry Partnerships: Leverage our connections for real-world insights and opportunities.

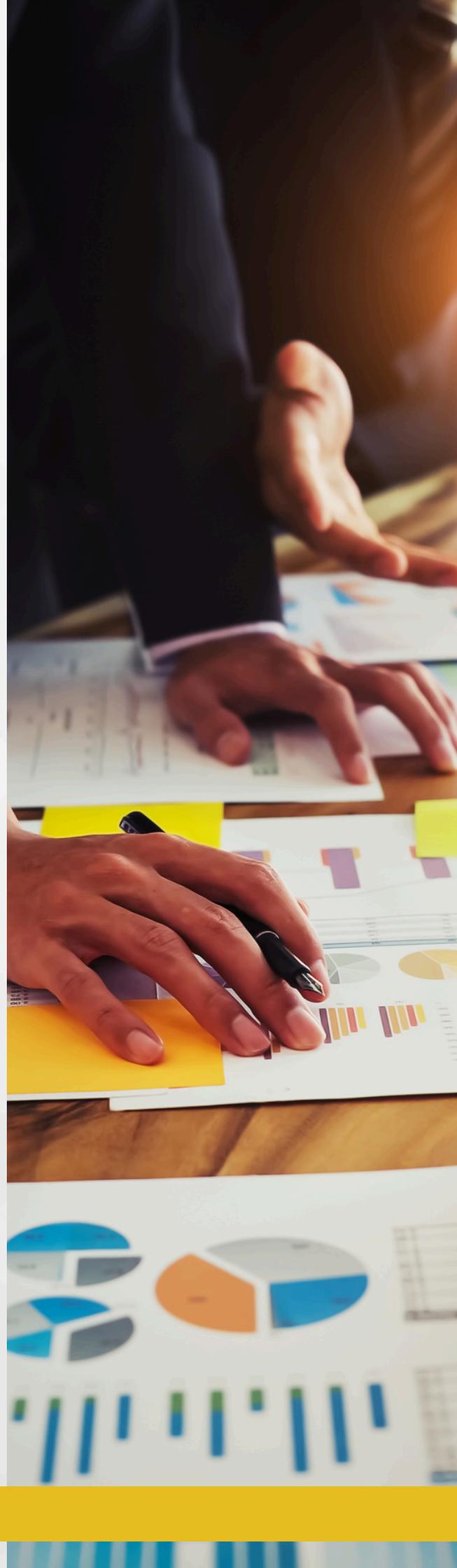
What Sets Us Apart?

- **Expert Instructors:** Learn from industry veterans with hands-on experience.
- **Hybrid Learning Model:** Balance online flexibility with in-person engagement.
- **Comprehensive Curriculum:** Stay ahead with courses designed meet market demands.
- **Community and Networking:** Be part of an active community of learners and professionals.

Who Can Apply?

Eligibility Criteria:

- No formal prerequisites to take the CompTIA Network Professional course.





Recommended to obtain the CompTIA A+ certification and have a minimum of 9 to 12 months of hands-on experience working in a junior network administrator/network support technician role.

Ideal Candidates:

- Professionals aiming to advance their careers in networking and earn a globally recognized credential.

Program Overview

The CompTIA Network Professional Program provides extensive education in networking. Our curriculum ensures a comprehensive understanding through four progressive stages, combining theoretical knowledge with practical, hands-on experience.

Learning Mode:

- **Hybrid Learning Model:** Combines online learning with in-person sessions for flexibility and interactive engagement.
- **Interactive Sessions:** Includes live webinars, workshops, and Q&A forums with expert instructors and peers.
- **Self-paced Learning:** Access course materials anytime, allowing you to learn at your own pace.



Skills Learned

- **Network Fundamentals:** Understanding basic networking concepts.
- **Routing Technologies:** Configuring and managing routing technologies.
- **Ethernet Solutions:** Implementing and managing Ethernet solutions.
- **Wireless Technologies:** Understanding and managing wireless networks.
- **Network Security:** Implementing and managing network security.
- **Network Troubleshooting:** Identifying and resolving network issues.
- **IP Services:** Configuring and managing IP services.
- **Automation and Programmability:** Using automation tools and programmable networks.

Job Positions and Opportunities

- **Career Paths:** Network Engineer, Network Administrator, Systems Engineer, IT Manager, Security Specialist, Technical Support Engineer.
- **Industry Demand:** High demand across various sectors, competitive salaries, and strong growth potential.

Key Industry Verticals

- **Skill Application Areas:** Finance, Healthcare, Technology, Government, Retail, Energy, Telecommunications, Manufacturing.

Curriculum Highlights:

- **Fundamental Knowledge:** Core principles of networking.
- **Advanced Techniques:** In-depth understanding of advanced networking tools.
- **Real-World Applications:** Practical projects and case studies to apply your learning.
- **Capstone Project:** A final project that integrates all your skills and knowledge, showcasing your proficiency in networking.

Professional Development:

- **Continuous Learning:** Stay updated with the latest trends and advancements in networking.
- **Networking Opportunities:** Connect with industry experts, peers, and alumni to advance your career.
- **Ethical Considerations:** Learn about data ethics, privacy, and compliance to maintain the integrity of your practices.

Program Objectives

- Master technical skills in networking.
- Implement advanced networking techniques and tools.
- Explore networking frameworks and best practices.
- Address real-world challenges in networking.
- Understand ethical considerations in data governance.
- Foster continuous learning.
- Encourage teamwork and collaboration.
- Prepare for advanced roles in networking.

Expected Outcomes

- Proficiency in networking tools and techniques.
- Practical experience through hands-on projects.
- Strong analytical and problem-solving skills.
- Application of ethical practices.
- Innovation in networking solutions.



PROGRAM OUTLINE

Stage 1: Fundamentals of Networking

1. Introduction to Networking

- Core principles, tools, and industry applications.

2. Network Protocols and Standards

- Understanding common network protocols and standards.

3. IP Addressing and Subnetting

- Configuring and managing IP addresses and subnets.

4. Basic Network Configuration

- Setting up basic network environments.

Stage 2: Advanced Networking Techniques

5. Advanced IP Services

- Configuring and managing advanced IP services.

6. Network Security Fundamentals

- Implementing basic network security measures.

7. Wireless Networking

- Understanding and managing wireless network environments.

8. Network Troubleshooting

- Identifying and resolving network issues.

Stage 3: Practical Applications

9. Practical Networking Projects

- Developing and implementing networking projects.

10. Network Automation and Programmability

- Using automation tools and programmable networks.

11. Data Analysis and Visualization

- Analyzing network data and visualizing results.

12. Business Intelligence Applications

- Using data for networking decision making.

Stage 4: Capstone Project

13. Integration of Learned Skills

- Apply tools and techniques to real-world networking problems.

14. Advanced Networking Systems

- Developing complex networking systems.

15. Cloud Networking Management

- Securing and managing cloud-based networks.

16. AI for Networking

- Implementing AI solutions in networking.



PROGRAM OUTLINE

Elective Modules

17. Data Ethics and Privacy

- Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Networking Management

- Building and validating predictive models.

19. AI for Networking Management

- Implementing AI solutions in networking.

20. Advanced Data Warehousing Techniques

- Optimizing data warehousing solutions.

21. Data-Driven Networking Decision Making

- Using data to inform and drive networking strategies.

22. Cloud Networking Solutions

- Deploying networking management systems on cloud platforms.

23. Networking Project Management

- Leading networking projects, ensuring successful delivery.

24. Big Data Security

- Securing data in big data environments.

25. IoT Networking

- Securing and managing IoT devices and networks.

Enrollment Now Open!

Take the first step towards becoming a certified Network Professional. Enroll in our program and enhance your career.