CompTIA

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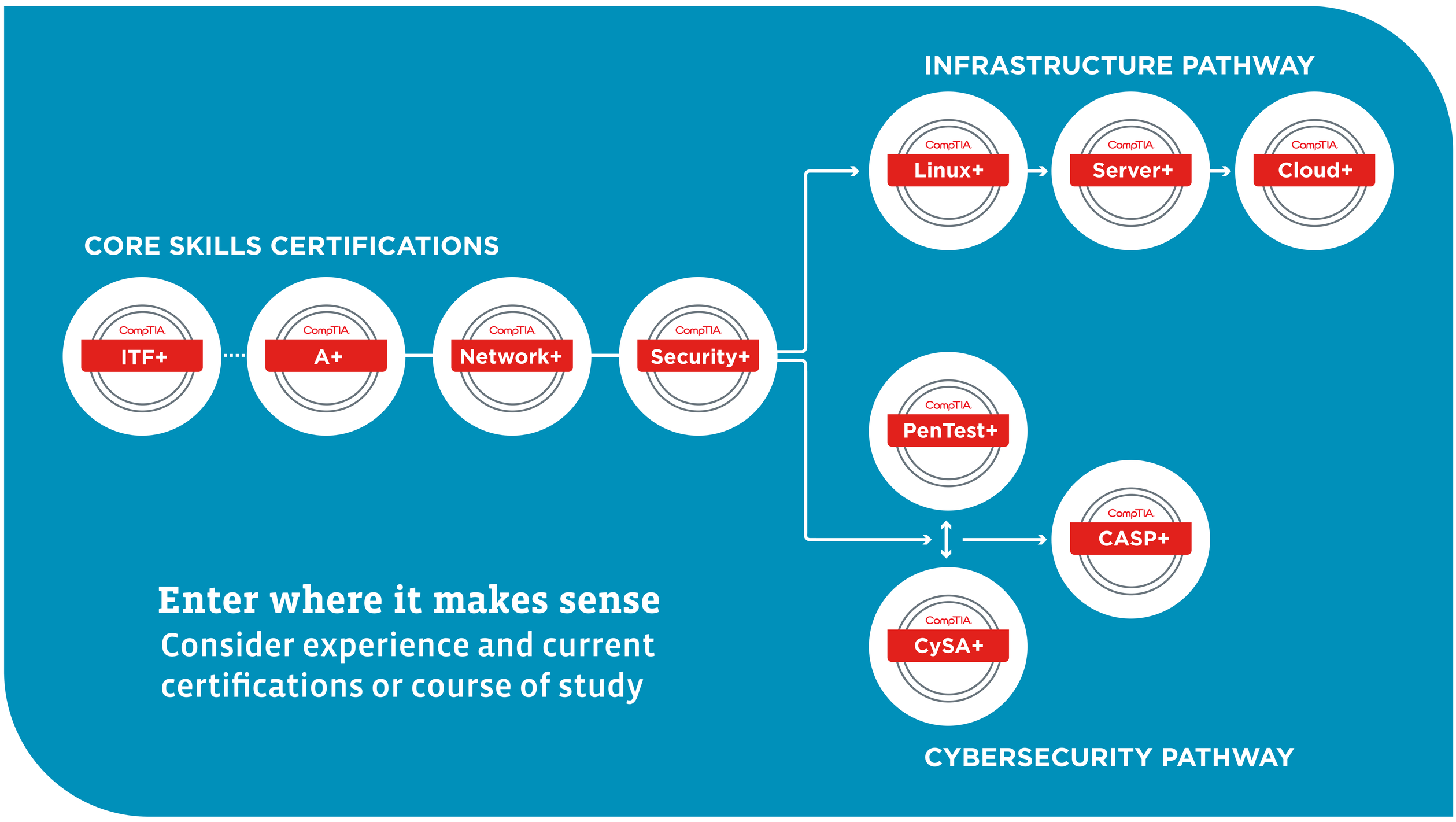
#secureIT

Introducing the CompTIA Career Pathways

A vendor-neutral pathway for IT professionals to achieve infrastructure and cybersecurity mastery, from beginning to end



Core Skills Certifications
CompTIA's core IT skills certifications level the playing field and lay the foundation for a successful career in IT, no matter what path you take.

Infrastructure Pathway
IT infrastructure is the bedrock of IT operations and necessary for any business to function.

Cybersecurity Pathway
The CompTIA Cybersecurity Career Pathway helps technical specialists achieve cybersecurity mastery, from beginning to end.

Additional Certifications
CompTIA's professional skills certifications cover versatile skillsets that help take your career to the next level.

In general, the pathways follow a hierachy of skills needed for a career in IT security or infrastructure; each certification builds upon the skills from the previous one. CompTIA certifications mirror the current job roles of IT professionals, so it makes sense to earn these certifications to gain the knowledge and hands-on skills currently being used in the workforce, whether you have job experience or not.

If you are an IT professional or an employer, you understand the value of on-the-job experience. IT certifications are a great place to start, but they are not a replacement. If you have CompTIA certifications and on-the-job experience, you have the best of both worlds.

CompTIA CERTIFICATION PORTFOLIO

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CERTIFICATION	COMPETENCIES	JOB ROLES
CompTIA ITF+	• Install software • Establish basic network connectivity • Identify/prevent basic security risks • Explain troubleshooting theory and preventative maintenance of devices	• Sales Associate • Account Manager • Marketing Specialist • Customer Support
CompTIA A+	• Identify cybersecurity threats • Confgure operating system security • Understand security best practices • Troubleshoot common security issues	• Technical Support Specialist • Field Service Technician • IT Support Technician • IT Administrator
CompTIA Network+	• Understand networking services and applications • Use appropriate network monitoring tools • Understand network security vulnerabilities and remedies	• Network Administrator • IS Consultant • Network Field Engineer
CompTIA Security+	• Understand network security • Identify and mitigate security threats • Understand application, data and host security issues • Implement access control and identity management	• Security Specialist • Security Consultant • Security Engineer • Security Administrator
CompTIA Linux+	• Configure kernel modules, network parameters and virtualisation technologies • Manage software and services • Understand best practices for permissions and authentication • Analyse system properties and processes • Troubleshoot user, application and hardware issues • Execute basic BASH scripts	• Linux Administrator • Network Administrator • Technical Support Specialist • Web Administrator • Systems Administrator
CompTIA Server+	• Understand, configure and support server components • Support storage devices technologies • Apply physical and network data security techniques • Understand disaster recovery and implement backup techniques • Diagnose and resolve system security issues	• Server Support Technician • Server Administrator • IT/Server Technician • Storage Administrator
CompTIA Cloud+	• Analyse system requirements to execute workload migrations • Determine proper allocation of cloud resources based on performance data • Apply appropriate technologies and processes, including automation and orchestration • Implement appropriate security controls given requirements • Troubleshoot issues related to cloud implementations	• Systems Engineer • Network Administrator • Network Engineer • Cloud Developer • Project Manager, Cloud • Cloud Engineer • Manager, Data Centre SANs • Cloud Business Analyst
CompTIA PenTest+	• Plan and scope an assessment • Understand legal and compliance requirements • Perform vulnerability scanning and penetration testing • Analyse data and effectively report and communicate results.	• Penetration Tester • Vulnerability Tester • Security Analyst (II) • Vulnerability Assessment Analyst
CompTIA CySA+	• Configure and use threat detection tools • Perform data analysis • Interpret results to identify vulnerabilities, threats and risk	• Security Analyst • Vulnerability Analyst • Cybersecurity Specialist • Security Engineer
CompTIA CASP+	• Concerptualise, engineer, integrate and implement secure solutions across complex environments • Translate business needs into security requirements, analyse risk impact and respond to security incidents	• Cybersecurity/IS Professional • Information Security Analyst • Security Architect • IT Specialist INFOSEC

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Learn more at **Certification.CompTIA.org**

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