CompTIA CASP+ (CAS-004) eLearning Bundle

CompTIA Advanced Security Practitioner **EXAM CODES CAS-004**

CompTIA Advanced Security Practitioner (CASP+) is an advanced-level cybersecurity certification for security architects and senior security engineers charged with leading and improving an enterprise's cybersecurity readiness.

Stack the odds in your favor with a bundle

Set yourself up for success and save money with a comprehensive training package. Plus, you'll feel confident taking the exam thanks to a bonus exam retake voucher, only available with a bundle.

Key Differentiators:

• CASP+ is the only hands-on, performance-based certification for advanced practitioners

• Unlike other certifications, CASP+ covers both security architecture and engineering

• It is the only certification that qualifies technical leaders to assess cyber readiness within an enterprise, and design and implement solutions to ensure the organization is ready for the next attack.

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Purpose of the training

CASP+ (CompTIA Advanced Security Practitioner) training is designed for experienced security professionals who are looking to advance their knowledge and skills in enterprise security. It is intended for individuals working in roles such as:

- Security Architects
- Security Engineers
- Security Analysts
- IT Managers
- Network Security Engineers
- Risk Management Professionals

The CASP+ certification is aimed at professionals who have at least 5-10 years of experience in IT administration, with a strong foundation in cybersecurity. It is ideal for those seeking to enhance their expertise in areas like risk management, enterprise security solutions, and advanced security technologies.

Benefits of completing the training

1. VALUE (Student)
- CASP+ provides hands-on technical mastery and is the ideal certification for advanced practitioners of cybersecurity who require the necessary skills to design, implement, and manage cybersecurity solutions on complex networks to skillfully build a resilient enterprise and prevent the next attack.
1. VALUE (Employer)
- CASP+ verifies the expertise and technical skills of an established IT security professional in security, governance, risk, and compliance, assessing enterprise cybersecurity readiness, and leading technical teams to implement enterprise-wide cybersecurity solutions.

It was born out of an industry need for a hands-on, advancedlevel cybersecurity assessment for organizations that require mastery-level skills to work directly with cybersecurity technologies and tools that protect the organization and prevent future threats.

- Accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M

Examination method

What is an Exam Voucher?
A CompTIA exam voucher is a unique code that will enable you to take your exam at an authorized CompTIA Test Service Provider. Exam vouchers are used similar to a gift card. For example, employers

often use vouchers to pay for their employees' exams or parents may purchase vouchers for their children.

Exam Voucher Details

- Vouchers are non-refundable and non-returnable.
- One voucher is applicable towards one exam at an authorized CompTIA Test Service Provider.
- All vouchers, including any retakes, are valid for 12 months from the date of purchase unless otherwise noted.
- You must register and take your exam prior to the voucher expiration date.
- Voucher expiration dates cannot be extended under any circumstances.
- Certification exam retirement dates supersede voucher expiration dates. CompTIA may retire certifications and corresponding exams prior to voucher expiration dates.
- Visit the CompTIA website for certification exam information, including exam launch and retirement dates.
- Vouchers are country and currency restricted.
- CompTIA and the participating test providers are not responsible for lost or stolen vouchers.
- Vouchers cannot be redeemed for cash or credit.
- CompTIA vouchers may not be resold.

Exam Retake Details

- For voucher purchases that include a retake, if you fail the exam on your first attempt use the same voucher to register and retake the exam.
- All vouchers, including any retakes, expire 12 months from the date of purchase, unless otherwise noted.
- The retake is only valid for the same exam version that you failed. You cannot use the retake for a different version of the exam.

Additional Order Information

- Order information will be emailed within 3 – 4 hours from purchase.
- You will receive two emails. The first email will be your order confirmation and the second email will include your exam voucher, the voucher expiration date and voucher terms and conditions. Check your spam, junk and promotional folders.

Expected Listener Preparation

Before attending CASP+ training, participants should have at least 5-10 years of experience in IT, including expertise in system administration, networking, and security. A solid understanding of basic security technologies such as firewalls, IDS, VPNs, encryption, and authentication is essential.
Prior certifications, such as CompTIA Security+, are recommended to confirm foundational knowledge in network security and risk management.
Participants should also be familiar with operating systems (Windows, Linux), IT infrastructure

management, and virtualization technologies. Strong problem-solving skills and experience in risk assessment and incident management are also expected.

Training Language

Language: English
Materials: English

Training Includes

What's included:
- Exam Voucher + Retake
- CertMaster Learn + Labs
- Once redeemed, this bundle will be valid for 12 months
- Access keys must be redeemed within 12 months of purchase
- This is single user license and may not be shared

Duration

1 days / 1 hours

Training agenda

What is CertMaster Learn integrated with CertMaster Labs?
CertMaster Learn is a comprehensive eLearning experience that helps learners gain the knowledge and practical skills necessary to be successful on CompTIA certification exams, and in their IT career. A Learning Plan helps learners stay on track with your studies, while robust analytics bring awareness of strengths and weaknesses. CertMaster Labs make it easy for learners to practice and apply their skills in real workplace scenarios in preparation for the certification exam. All lab activities use real equipment and software, offer feedback and hints, and provide a score based on learner inputs, ultimately guiding learners to the most correct and efficient path through job tasks.
In the integrated experience, CertMaster Labs are integrated as Study Tasks within the CertMaster Learn Learning

Plan, accessible through a single login and seamless workflow. Easy-to-use course management tools provide a comprehensive suite of instructor resources alongside a reporting dashboard, making course preparation and progress tracking simple and efficient.

Topics Covered

Lesson 1: Performing Risk Management Activities

Lesson 2: Summarizing Governance & Compliance Strategies

Lesson 3: Implementing Business Continuity & Disaster Recovery

Lesson 4: Identifying Infrastructure Services

Lesson 5: Performing Software Integration

Lesson 6: Explain Virtualization, Cloud and Emerging Technology

Lesson 7: Exploring Secure Configurations and System Hardening

Lesson 8: Understanding Security Considerations of Cloud and Specialized Platforms

Lesson 9: Implementing Cryptography

Lesson 10: Implementing Public Key Infrastructure (PKI)

Lesson 11: Understanding Threat and Vulnerability Management

Lesson 12: Developing Incident Response Capabilities

Integrated Labs:

Assisted Lab: Exploring the Lab Environment

Assisted Lab: Using Automation to Identify Sensitive Data

Assisted Lab: Understanding DR Capabilities in the Cloud

Assisted Lab: Implementing a Web Application Firewall

Assisted Lab: Understanding the Role of SPF Records and DNSSEC

Assisted Lab: Using Security Incident and Event Management Features

Assisted Lab: Performing Static Code Analysis

Assisted Lab: Exploiting Web Applications – Stored XSS, SQL Injection

APPLIED LAB: Analyzing Web Application Vulnerabilities

Assisted Lab: Implementing a VNet in Azure

Assisted Lab: Deploying a Virtual Private Cloud in Amazon Web Services

Assisted Lab: Implementing and Updating Containers on Windows Server 2019

APPLIED LAB: Performing Container Update Tasks

Assisted Lab: Understanding DNS over HTTPS (DoH)

Assisted Lab: Deploying a Hardened Server Image in the Cloud

Assisted Lab: Implementing an Application Blocklist Policy

Assisted Lab: Configuring Monitoring in the Cloud

Assisted Lab: Implementing Data Protection using Symmetric Encryption

Assisted Lab: Exploring Cryptography and Cryptanalysis using Visual Tools

Assisted Lab: Implementing HTTP Server Certificates

APPLIED LAB: Troubleshooting HTTP Server Certificates

Assisted Lab: Exploring MITRE ATT&CK Navigator

Assisted Lab: Exploring and Interpreting Intrusion Detection System Alerts

APPLIED LAB: Analyzing Intrusion Detection System Logs

Assisted Lab: Exploiting the Server Message Block Protocol

Assisted Lab: Analyzing SMB Vulnerabilities

Assisted Lab: Analyzing Firmware using Binary Analysis and Hardware Emulation

Assisted Lab: Analyzing and Attack Wireless Network Protections

License Information

- One license provides access to CertMaster Learn for CASP+ (CAS-004) with CertMaster Labs integrated throughout the course
- Once activated, the license is valid for 12 months

How to Access CertMaster Learn integrated with CertMaster Labs

An access key and instructions will be sent via email after your purchase is complete.