CompTIA Advanced Security Practitioner CASP+ (CompTiaCASP+)

Modality: Virtual Classroom

Duration: 5 Days

"If you enroll in this course without the Master Subscription plan, you receive a Free Official Exam Voucher (excluding purchases using Training Vouchers / SATV) for CAS-003 Exam. This course does not include Exam Voucher if enrolled within the Master Subscription, however, you can request to purchase the Official Exam Voucher separately."

About this Course:

This IT Ops training course acts as the perfect source for CompTIA training since it entails all the necessary pointers needed to build a strong foundation.

Course Objectives:

- Identify enterprise security fundamentals.
- Pinpoint all the various fundamentals of enterprise security
- Apply enterprise security technology solutions.
- Learn how to implement all the enterprise level security technology concepts
- Identify enterprise resource technologies and the potential security implications for these resources.
- Determine the technologies used in enterprise resources and the security implications that will be potentially needed for these resources
- Design security solutions.
- Devise several solutions for security
- Identify application security design issues such as best practices for development and testing as well as threat mitigation techniques.
- Spot issues in the application design which will not only prove to be solid threat mitigation techniques but also best practices in the testing and development of the application
- Manage risk, security policies, and security procedures within an enterprise.
- Oversee security procedures, risk, and security policies inside the enterprise
- Integrate security solutions within an enterprise.
- Fuse the enterprise with top notch security solutions
- Conduct security research and analysis.
- Perform research and analysis of security

Audience:

- This course is targeted toward an IT professional that has the technical knowledge and skills required to conceptualize, design, and engineer secure solutions across complex enterprise environments. Students aspiring to CASP certification should have a minimum of 10 years' experience including at least five years of hands-on technical security experience.

- This course is perfect for an IT professional who wishes to master the art of designing, engineering, and conceptualizing secure solutions throughout the complex structure of enterprise environments. If you strive to achieve the CASP certification you will have to have a minimum off 10 years' experience that includes up to five years of hands-on technical security experience.

Prerequisites:

While there are no strict prerequisites, CompTIA intends the CASP certification to serve as an add-on to the CompTIA® Security+® certification, or equivalent technical experience.
Recommended courses (or the equivalent certifications):

- CompTIA® Security+® is strongly recommended.
- CompTIA® A+® Certification: A Comprehensive Approach for All 2009 Exam Objectives (Windows 7) and CompTIA® Network+® will also be helpful.

Course Outline:

Lesson 1: The Enterprise Security Architecture

- **Topic 1A:** The Basics of Enterprise Security
- **Topic 1B:** The Enterprise Structure
- **Topic 1C:** Enterprise Security Requirements

Lesson 2: Enterprise Security Technology

- **Topic 2A:** Common Network Security Components and Technologies
- **Topic 2B:** Communications and Collaboration Security
- **Topic 2C:** Cryptographic Tools and Techniques
- **Topic 2D:** Advanced Authentication

Lesson 3: Enterprise Resource Technology

- **Topic 3A:** Enterprise Storage Security Issues
- **Topic 3B:** Distributed, Shared, and Virtualized Computing
- **Topic 3C:** Cloud Computing and Security

Lesson 4: Security Design and Solutions

- **Topic 4A:** Network Security Design
- **Topic 4B:** Conduct a Security Assessment
- **Topic 4C:** Host Security

Lesson 5: Application Security Design

- **Topic 5A:** Application Security Basics

- **Topic 5B:** Web Application Security

Lesson 6: Managing Risk, Security Policies, and Security Procedures

- **Topic 6A:** Analyze Security Risk
- **Topic 6B:** Implement Risk Mitigation Strategies and Controls
- **Topic 6C:** Implement Enterprise-Level Security Policies and Procedures
- **Topic 6D:** Prepare for Incident Response and Recovery

Lesson 7: Enterprise Security Integration

- **Topic 7A:** The Technology Life Cycle
- **Topic 7B:** Inter-Organizational Change
- **Topic 7C:** Integrate Enterprise Disciplines to Achieve Secure Solutions

Lesson 8: Security Research and Analysis

- **Topic 8A:** Perform an Industry Trends and Impact Analysis
- **Topic 8B:** Perform an Enterprise Security Analysis

Appendix A: Mapping Course Content to the CompTIA® Advanced Security Practitioner (Exam CAS-001) Objectives
Appendix B: CompTIA Acronyms
Appendix C: Disaster Recovery and Business Continuity
Appendix D: Managing Risk in Projects
Appendix E: Legal Issues
Appendix F: Judgment and Decision-Making

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