

Cybersecurity On Demand Training Package

Duration

40 hours

Modality

On-demand

Prerequisites

Understanding of basic IT concepts and components

Target audience

- Systems administrators
- Application or database administrators
- IT professionals
- Anyone interested in building foundational and intermediate cybersecurity skills and understanding

Learn cybersecurity basics including security fundamentals, implementing NIST frameworks and practical training on the Cyber Recovery solution.

This training package provides training on both the Dell Cyber Recovery solution as well as preparing students for addressing today's cybersecurity challenges. The included courses cover security concepts and IT frameworks, practical training on implementing the NIST Cybersecurity framework as well as access and authentications standards.

Finally, training is provided on the PowerProtect Cyber Recovery with Cyber Sense and PowerProtect DD products to provide real world understanding of products and key components of modern cyber security solutions.

Additionally, upon completion of this training, students will have sufficient knowledge to pass the CompTIA Security+ as well as Dell Proven Professional DCS: Infrastructure Security certifications.

Note: Certification vouchers are not included.

COURSE OUTLINE

Introduction to Cybersecurity Frameworks

- Describe the evolutionary changes in data center security
- Explain the high-level challenges to secure modern infrastructure
- Define the principals and purpose of frameworks
- Describe NIST and the Intent of the NIST Cybersecurity Framework
- Define the purpose of the three main components of the NIST Cybersecurity Framework “core”, “tiers” and “profiles”

CompTIA Security+

- Learn everything you need to know to take the CompTIA Security+ certification exam including:
- Assessing the security posture of an enterprise environment and recommend and implement appropriate security solutions
- Monitoring and securing hybrid environments, including cloud, mobile, and IoT
- Operating within relevant laws and policies, including principles of governance, risk, and compliance.
- Identify, analyze, and respond to security events

Implementing the NIST Cybersecurity Framework

- Discuss the core functions of the NIST Cybersecurity Framework in order to implement the framework
- Review the Cybersecurity Resiliency Lifecycle (CSRL) to understand how to assess your organizations current place within the lifecycle
- Understand steps you can take immediately to begin improving your organizations cybersecurity resiliency

User Authentication, Access Controls and Security Standards

- Explain core network security principles and how these are implemented
- Define operating system user authentication, access controls and audit how these are realized through network and operating system security standards

PowerProtect Cyber Recovery Product Training

- Summarize the problems that PowerProtect Cyber Recovery and Cyber Sense are designed to solve
- Identify how PowerProtect Cyber Recovery solves these problems
- Describe the PowerProtect Cyber Recovery solution, benefits, and architecture
- Identify server, network, storage and physical environment design considerations
- Plan and size a PowerProtect Cyber Recovery environment
- Identify Cyber Recovery operations and components
- Identify the PowerProtect Cyber Recovery documentation
- Describe each feature of PowerProtect Cyber Recovery and Cyber Sense
- Explain each feature's function and importance.
- Illustrate PowerProtect Cyber Recovery architecture and how it enables functionality.
- Define concepts and terms required to understand and use PowerProtect Cyber Recovery.
- Accomplish typical administrative, configuration, management, and diagnostic functions.
- Perform PowerProtect Cyber Recovery administrative tasks• Run scheduled and on-demand backups for a variety of systems
- Restore files using PowerProtect Cyber Recovery
- Describe and configure PowerProtect Cyber Recovery replication
- Use PowerProtect Cyber Recovery tools to perform system monitoring, maintenance, capacity management, and troubleshooting
- Implement PowerProtect Cyber Recovery Security Features

PowerProtect DD Concepts and features

- Identify the problem PowerProtect DD solves
- Explain the PowerProtect DD solution process
- Understand product architecture
- Describe key components like Dell EMC Cloud Disaster Recovery

PowerProtect DD Virtual Edition Implementation

- Understand how to configure and deploy PowerProtect DD virtual edition on-prem and in single or multi-cloud environments

Certification Readiness

Upon completion of the training in this package, the student will be prepared to take the following security certifications:

- Dell EMC Proven DCS: Infrastructure Security
- CompTIA Security+

CONTACT US

Engage your local Education Services Account Manager for local pricing information and scheduling classes. Visit us online at education.dell EMC.com.