



MICROSOFT TRAINING

Vce Vblock Systems Administration And Management

Master Vce Vblock systems administration and management. Learn to deploy, configure, and maintain integrated infrastructure for optimal performance.

DURATION

40 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Vce Vblock Systems Administration And Management course provides comprehensive training for IT professionals seeking to master the complexities of converged infrastructure. You will gain in-depth knowledge and hands-on skills in managing Vblock systems, which integrate compute, storage, networking, and virtualization into a single, optimized platform. The curriculum covers core technologies from Cisco (UCS servers, Nexus networking), EMC (storage solutions), and VMware (vSphere virtualization), focusing on how these components are seamlessly administered and managed within a Vblock environment, particularly in contexts that heavily leverage Microsoft technologies like Windows Server, Active Directory, and SQL Server.

Participants will learn to provision resources, monitor performance, troubleshoot issues, and ensure the high availability of critical applications hosted on Vblock. This 40-hour course is designed to empower system administrators, data center engineers, and IT operations staff with the expertise needed to efficiently operate and maintain Vblock converged infrastructure, leading to improved system reliability, reduced operational overhead, and enhanced agility for business-critical Microsoft workloads. Upon completion, you will be well-prepared to handle the integrated challenges of modern data centers, ensuring optimal performance and stability for your organization's IT services.

Duration	40 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Converged Infrastructure and Vblock Systems

- Understanding Converged Infrastructure (CI) and Hyper-Converged Infrastructure (HCI)
- Overview of Vblock System Architecture: Compute, Storage, Network, Virtualization
- Key benefits and use cases of Vblock in enterprise environments
- Introduction to Vblock components: Cisco UCS, EMC Storage, Cisco Nexus, VMware vSphere
- Vblock management interfaces and tools overview

02 Module 2: Vblock Compute and Virtualization Management

- Administering Cisco UCS Manager for Vblock compute resources
- Service profiles, templates, and pools in UCS
- Integrating VMware vSphere with Vblock: ESXi hosts and vCenter Server
- Managing virtual machines and resource pools on Vblock
- Considerations for deploying and managing Windows Server and Hyper-V workloads on Vblock (if applicable with vSphere)

03 Module 3: Vblock Storage Administration for Microsoft Environments

- Overview of EMC storage arrays (e.g., VNX, VMAX, XtremIO) within Vblock
- Storage provisioning: LUNs, volumes, and datastores
- Configuring storage for Windows Server and SQL Server instances
- Data protection strategies: Snapshots, replication, and backup integration
- Performance optimization for storage in Microsoft application environments

04 Module 4: Vblock Network Integration and Management

- Understanding Vblock network topology: Cisco Nexus and MDS switches
- Configuring VLANs, VSANs, and port channels
- Network troubleshooting within the Vblock environment

- Integrating Vblock with existing enterprise network infrastructure
- Configuring network services for Microsoft Active Directory and DNS within Vblock

05 Module 5: Monitoring, Automation, and Troubleshooting Vblock Systems

- Utilizing VCE Vision or VxBlock Central for unified Vblock monitoring
- Performance monitoring of Vblock components (compute, storage, network, virtualization)
- Log analysis and event management in Vblock
- Common troubleshooting scenarios for Vblock and integrated Microsoft workloads
- Best practices for Vblock maintenance, patching, and lifecycle management

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Converged Infrastructure Administrator**
- > **Data Center Operations Engineer (Vblock Specialist)**
- > **Senior Systems Administrator (Microsoft & Vblock Environments)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for enrolling in the Vce Vblock Systems Administration And Management course?

While there are no strict official prerequisites, participants will benefit greatly from foundational knowledge in server administration (e.g., Windows Server), networking fundamentals (e.g., basic Cisco concepts), storage basics, and virtualization concepts (e.g., VMware vSphere). Experience with Microsoft Active Directory or SQL Server administration will also be advantageous, given the course's emphasis on managing Vblock in Microsoft-centric environments.

Q: How will this Vce Vblock Systems Administration and Management course specifically enhance my ability to manage Microsoft applications deployed on Vblock systems?

This course is tailored to demonstrate how Vblock's integrated architecture optimizes the deployment and management of Microsoft applications. You will learn to provision compute, storage, and network resources specifically for Windows Server, SQL Server, Exchange, and other Microsoft workloads. We cover best practices for ensuring high availability, performance, and data protection for these critical services within the Vblock ecosystem, directly addressing challenges faced by administrators of Microsoft-heavy environments.

Q: What specific Vblock management tools and interfaces will I gain proficiency in during this training?

During this 40-hour Vce Vblock Systems Administration and Management course, you will gain hands-on experience with several key management tools. This includes Cisco UCS Manager for compute, VMware vCenter Server for virtualization, and specific EMC storage management interfaces relevant to Vblock. Furthermore, we will introduce VCE Vision or VxBlock Central, which provides a unified dashboard for monitoring and managing the entire Vblock stack, giving you a holistic view of your converged infrastructure.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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