



HP TRAINING

Hp Bladesystem Administration

Master HP BladeSystem administration. Learn to deploy, manage, and troubleshoot these powerful server infrastructures efficiently.

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level HP BladeSystem Administration course provides a comprehensive deep dive into managing and optimizing HP's converged infrastructure solutions. Participants will gain mastery over the core technologies that define BladeSystem, including the Onboard Administrator, Virtual Connect, and integrated storage solutions. The curriculum is designed to equip IT professionals with the practical skills needed to deploy, configure, maintain, and troubleshoot HP BladeSystem environments, ensuring high availability and efficient resource utilization within modern data centers. Mastering these skills is crucial for organizations looking to streamline operations and maximize their hardware investments. By completing this course, you will be able to confidently manage complex BladeSystem infrastructures, enhance system performance, and implement best practices for security and scalability. You will learn to leverage the power of Virtual Connect for flexible and agile network and storage provisioning, significantly reducing cabling complexity and administrative overhead. This expertise is highly valued in environments requiring robust, scalable, and easy-to-manage server solutions, positioning you as an indispensable asset in any enterprise IT department.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: HP BladeSystem Architecture and Components

- Introduction to HP BladeSystem C7000 and C3000 enclosures
- BladeSystem components: Server blades, interconnect modules, storage blades
- Power and cooling infrastructure within BladeSystem
- Understanding Mezzanine cards and their functionalities
- Overview of FlexFabric technology and its benefits

02 Module 2: Onboard Administrator (OA) Management

- Initial setup and configuration of Onboard Administrator
- Navigating the OA graphical user interface (GUI) and command-line interface (CLI)
- Firmware management and updates for OA and enclosure components
- User account management, authentication, and security settings
- Monitoring and event logging with Onboard Administrator

03 Module 3: HP Virtual Connect for Networking

- Introduction to HP Virtual Connect architecture and concepts
- Configuring Virtual Connect Ethernet modules (Flex-10/10D, FlexFabric)
- Creating and managing network profiles for server blades
- Understanding network topologies and VLAN tagging within Virtual Connect
- Troubleshooting common Virtual Connect networking issues

04 Module 4: Storage Connectivity and Management

- Integrating storage with HP BladeSystem (DAS, SAN, NAS)
- Configuring Virtual Connect Fibre Channel and FCoE modules
- Setting up SAN connectivity and zoning for server blades
- Managing internal storage via Smart Array controllers on server blades
- Implementing boot from SAN solutions

05 Module 5: Server Provisioning and Advanced Topics

- Operating System deployment methodologies (PXE, iLO, scripting)

- Utilizing HP Integrated Lights-Out (iLO) for remote management
- BladeSystem Virtual Connect Domain and multi-enclosure management
- Implementing High Availability (HA) and disaster recovery strategies
- Performance tuning and optimization for BladeSystem environments

06 Module 6: Maintenance, Troubleshooting, and Best Practices

- Routine maintenance tasks and proactive monitoring
- Diagnosing and resolving common BladeSystem issues
- Firmware update procedures for server blades and interconnects
- Backup and restore strategies for Onboard Administrator configurations
- Security best practices and hardening for HP BladeSystem

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Data Center Infrastructure Administrator specializing in converged systems**
- > **Enterprise Server & Virtualization Engineer (HP environments)**
- > **Cloud Infrastructure Specialist (leveraging HP BladeSystem as a foundation)**

FREQUENTLY ASKED QUESTIONS

Q: What specific benefits does mastering HP Virtual Connect in this course provide for data center networking and storage management?

Mastering HP Virtual Connect through this course enables administrators to significantly simplify network and storage provisioning. You will gain the ability to create and manage network and storage profiles at the enclosure level, reducing cabling complexity by up to 95% and eliminating the need for physical rewiring during server changes. This leads to faster deployment times, increased agility, and a dramatic reduction in operational costs, making your data center infrastructure more responsive to business needs.

Q: Are there any recommended prerequisites or prior HP server experience beneficial for taking this BladeSystem Administration course?

While not strictly mandatory, having foundational knowledge of traditional server hardware (like HP ProLiant), basic networking concepts (VLANs, IP addressing), and an understanding of server virtualization would be highly beneficial. This course builds upon these concepts to focus specifically on the converged nature and unique management paradigms of HP BladeSystem. Practical experience with server operating systems (Windows Server or Linux) will also enhance your learning experience.

Q: How does completing this course impact an IT professional's ability to implement and manage highly virtualized environments within an HP BladeSystem infrastructure?

Completing this course will empower you to proficiently implement and manage highly virtualized environments atop HP BladeSystem. You will learn to configure server blades for optimal virtualization performance, seamlessly integrate storage area networks (SANs), and leverage Virtual Connect to provision flexible network connections for virtual machines. This expertise is critical for deploying robust private clouds and maximizing the efficiency of your virtualized resources, directly contributing to the scalability and resilience of your data center.

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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