



HP TRAINING

Hpe Proliant DL380 Gen9 Server Maintenance

Master HPE ProLiant DL380 Gen9 server maintenance. Learn essential skills for diagnostics, repair, and optimal performance.

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 course dives deep into the essential maintenance procedures for the HPE ProLiant DL380 Gen9 server, equipping IT professionals with the knowledge and practical skills required to ensure optimal performance and continuous operation. Participants will gain a comprehensive understanding of the DL380 Gen9's architecture, core hardware components, and crucial diagnostic tools. The curriculum emphasizes hands-on techniques for troubleshooting, component replacement, firmware management, and proactive maintenance strategies.

Mastering the maintenance of the HPE ProLiant DL380 Gen9 server is critical for any organization relying on robust, high-performance IT infrastructure. This course empowers you to minimize downtime, extend the lifespan of your server assets, and resolve complex hardware issues efficiently. By developing expertise in this widely deployed server model, you will significantly enhance your value to employers, demonstrating a key skill set in managing and sustaining enterprise-grade IT environments. The benefits include improved system reliability, reduced operational costs, and the ability to confidently support critical business services.

Level	Intermediate
Vendor	HP

COURSE CURRICULUM

01 Module 1: HPE ProLiant DL380 Gen9 Architecture and Features

- Overview of DL380 Gen9 models and configurations
- Key architectural components: Processors, Memory (DDR4), Storage Controllers
- Introduction to Integrated Lights-Out (iLO 4) management interface
- Understanding server security features and options

02 Module 2: Hardware Identification and Component Replacement

- Identifying FRUs (Field Replaceable Units) within the DL380 Gen9
- Safe removal and installation procedures for hot-plug components (fans, power supplies, drives)
- Cold-plug component replacement: CPUs, DIMMs, PCIe cards
- Understanding component compatibility and part numbers

03 Module 3: Diagnostics and Troubleshooting

- Utilizing iLO 4 for remote diagnostics and logging
- Interpreting POST codes, LED indicators, and server health status
- Troubleshooting common hardware failures: Memory, CPU, Storage (RAID issues)
- Introduction to HPE Smart Array Controller diagnostics

04 Module 4: Firmware, Drivers, and Software Management

- Understanding the importance of firmware updates (BIOS, iLO, Smart Array)
- Using HPE Service Pack for ProLiant (SPP) for comprehensive updates
- Driver management for various operating systems (Windows, Linux, VMware)
- Best practices for maintaining server software environments

05 Module 5: Proactive Maintenance and Best Practices

- Developing a preventative maintenance schedule for servers
- Environmental considerations: Cooling, power, and physical security
- Data backup and recovery considerations related to server maintenance

- Utilizing HPE tools for proactive health monitoring and predictive analytics

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Server Administrator**
- > **Data Center Operations Technician**
- > **IT Infrastructure Support Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What prerequisites are recommended for participants enrolling in the HPE ProLiant DL380 Gen9 Server Maintenance course?

This course is designed for IT professionals with a foundational understanding of server hardware concepts, basic networking, and operating system administration (e.g., Windows Server or Linux). While direct experience with HPE servers is beneficial, it is not strictly required as the course covers the specifics of the DL380 Gen9 model in detail.

Q: What practical skills will I be able to perform immediately after completing this course?

Upon completion, you will be proficient in performing crucial maintenance tasks such as diagnosing hardware faults using iLO and LED indicators, safely replacing hot-plug and cold-plug components (e.g., power supplies, drives, memory, CPUs), performing firmware and driver updates using HPE SPP, and implementing proactive maintenance strategies to maximize server uptime and performance. You will be able to confidently maintain an HPE ProLiant DL380 Gen9 server.

Q: How will mastering HPE ProLiant DL380 Gen9 server maintenance enhance my career prospects in IT infrastructure?

Proficiency in maintaining a widely deployed enterprise server like the HPE ProLiant DL380 Gen9 is a highly valued skill. It positions you as a critical resource capable of ensuring the reliability and performance of core IT infrastructure. This expertise can open doors to specialized roles in data center operations, server administration, and infrastructure support, demonstrating your ability to manage complex hardware environments and directly contribute to business continuity.

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+

10,000+

50+

Years of Excellence

Professionals Trained

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READY TO ENROL?

Take the next step in your technology career.

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