

HP BladeSystem Administration

Module 1: HP BladeSystem portfolio introduction

- Identify resources for information about the current HP c-Class BladeSystem portfolio
- Differentiate the two types of HP BladeSystem enclosures
- Identify HP BladeSystem ProLiant servers
- Identify HP Integrity server blades
- Describe other components in the c-Class portfolio:
 - HP BladeSystem adapters and mezzanines
 - HP BladeSystem interconnects
 - HP BladeSystem c-Class options
- Define the warranty and support options for HP BladeSystem solutions

Module 2: HP BladeSystem c-Class enclosures

- Describe the HP BladeSystem c-Class enclosures
- Describe the c-Class enclosure structure
- Explain c-Class enclosure signal pathing for installing mezzanines and interconnects in the correct locations
- Define an enclosure numbering scheme
- Explain how to access the HP Onboard Administrator

Module 3: HP BladeSystem power and cooling

- Explain how to configure power for an HP BladeSystem c-Class enclosure
- Explain how to control power in a c-Class enclosure
- Describe HP intelligent location and power discovery services
- Describe the structural cooling components and features

Module 4: HP BladeSystem c-Class servers

- Identify the distinctions between the HP ProLiant G7 and Gen8 servers
- Describe the technologies on the ProLiant system board:
 - Mezzanines
 - USB and SD cards
 - Embedded LOM and FlexibleLOM
- Identify c-Class Integrity servers and their requirements

Module 5: HP BladeSystem c-Class storage, tape, and expansion blades

- Describe how the HP BladeSystem c-Class enclosure architecture enables partnering of server blades with storage or expansion blades
- Explain the placement rules and installation guidelines for storage and expansion blades
- Describe the features and components of:
 - Storage blades
 - Tape blades
 - Expansion blades

Module 6: HP BladeSystem c-Class connectivity options

- Describe the HP BladeSystem c-Class interconnect module architecture
- List the BladeSystem c-Class interconnect modules:

- Ethernet
- Fibre Channel
- InfiniBand
- SAS
- Describe the mezzanine cards and slots available in the BladeSystem c-Class server blades
- Describe HP BladeSystem c7000 and c3000 enclosure port mapping

Module 7: HP Virtual Connect overview

- Define the benefits of HP BladeSystem solutions with HP Virtual Connect technology
- Describe Virtual Connect technology and its main components
- Identify ways to use Virtual Connect technology in a data center
- Describe the VC Flex technology
- Describe the VC FlexFabric Fibre Channel storage with 3PAR solution

Module 8: HP BladeSystem c7000 enclosure and infrastructure installation and management

- List the steps for planning an HP BladeSystem c7000 enclosure installation
- Explain the process for installing the c7000 enclosure components
- List the initial steps involved in setting up the c7000 enclosure using the:
 - HP Insight Display Initial Setup Wizard
 - HP Onboard Administrator (OA) First Time Setup Wizard
- Describe the OA management features
- Describe the HP BladeSystem c-Class enclosure power and thermal monitoring

Module 9: HP BladeSystem c-Class firmware

- Determine what firmware is embedded in various components in the enclosure and how to update it
- Explain how to access the HP SPP download and documentation
- Describe how to update firmware for the HP OA using:
 - HP SUM
 - EFM
- Explain how to implement HP BladeSystem c-Class enclosure firmware
- Explain how to update firmware embedded in the OA for a blade enclosure