

# دوره آموزش سرور های HP (اچ پی) | Designing HPE SMB Data Center Architectures, Rev. ۱۷.۴۱

مروری بر دوره

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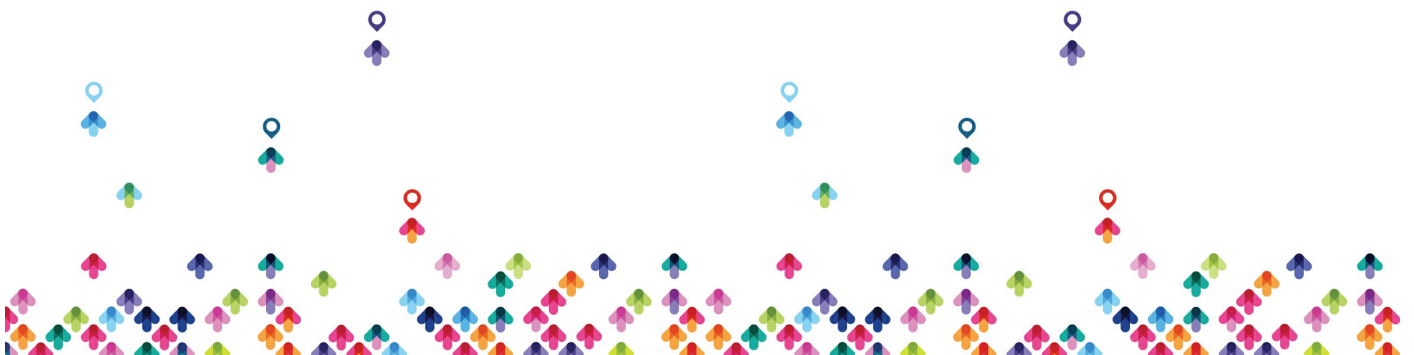
این دوره دانشجویان را با فناوری های سطح تخصصی HPE Server آشنا می سازد. عناوین مطرح شده در این دوره تخصصی عبارتند از:

- رک سرورهای HPE ProLiant
- سرورهای HPE BladeSystem (multi-enclosure)
- HPE Synergy (multi-frame)
- HPE Apollo (مقدمه)
- ابزارهای مدیریتی
- ابزارهای برنامه ریزی و طراحی

آنچه در این دوره خواهید آموخت

آنچه خواهید آموخت

- توصیف فناوری های HPE server
- آشنایی با افزونه ها و محصولات HPE
- تشریح جایگاه شرکت HPE در بازار
- تشریح چگونگی رفع مشکلات و چالش های مربوط به حوزه دیتا سنتر توسط سرورهای HPE
- تشریح چگونگی مدیریت سرورهای HPE



## سرفصل ها (حضور)

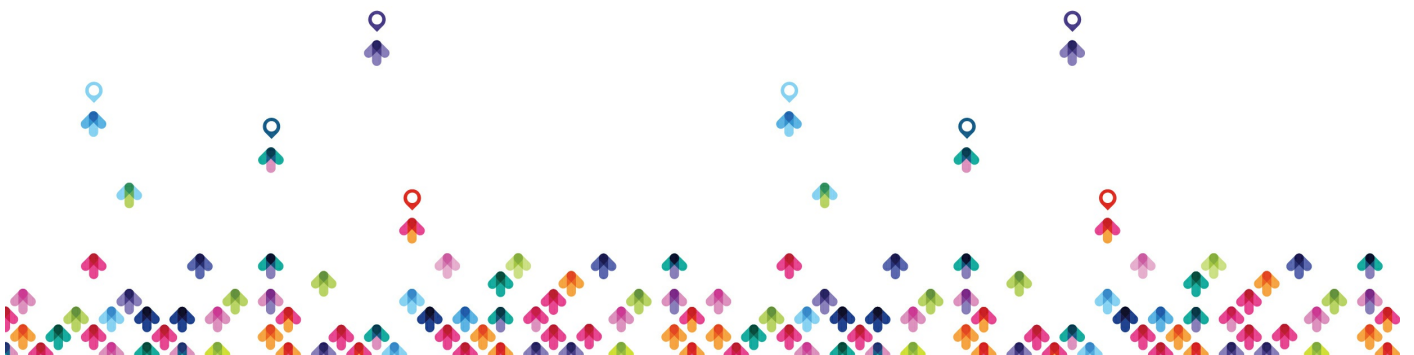
سرفصل ها

### • **Module ۱: HPE in the New Compute Era**

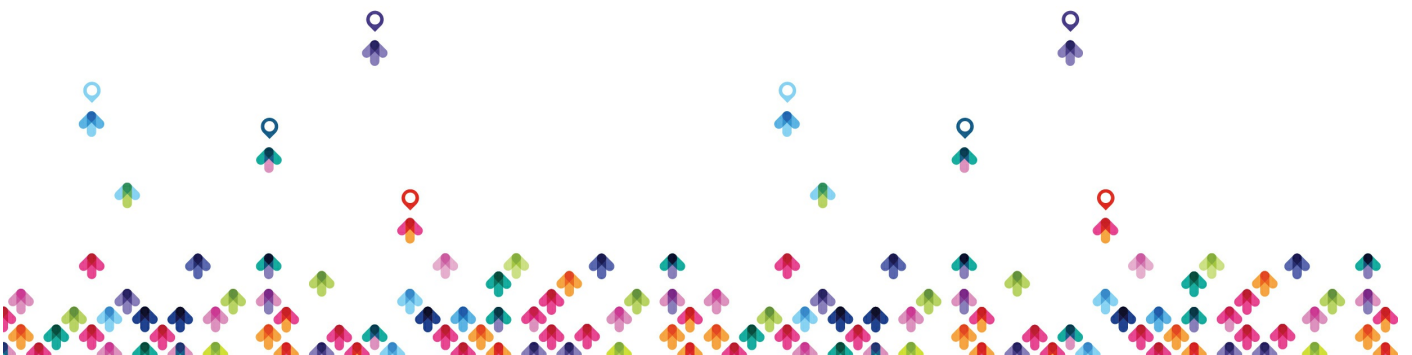
- Summarize the Hewlett Packard Enterprise (HPE) Transformation Areas
- Explain how server trends present challenges and opportunities for enterprise businesses
- Provide a high-level overview of HPE ProLiant Gen9 server innovations
- Name the features of an HPE Converged Infrastructure
- Outline the HPE position and market share in the server solutions industry
- Position HPE Technology Services in the new compute era

### • **Module ۲: HPE Converged Management**

- Explain the Hewlett Packard Enterprise (HPE) approach to converged management for the infrastructure lifecycle
- Name the on-system tools used to manage an HPE ProLiant system
  - Unified Extensible Firmware Interface (UEFI)
  - HPE representational state transfer (REST) application programming interface (API) and HPE RESTful Interface Tool
  - HPE Intelligent Provisioning
  - HPE integrated Lights-Out (iLO) ۴
  - HPE Smart Update Manager (HPE SUM)
  - HPE Service Pack for ProLiant (SPP)
  - Agentless management



- Smart Storage Administrator (SSA)
- Explain how to perform on-premise management with HPE OneView
- Explain how to perform remote management with on-cloud management tools:
  - HPE Insight Online
  - HPE Insight Remote Support
- **Module ۳: Server Technologies**
  - Provide a high-level overview of technologies in the Hewlett Packard Enterprise (HPE) ProLiant Gen9 server portfolio
  - Describe the features of HPE servers in the following areas:
    - Processors
    - Memory
    - Storage
    - Networking
- **Module ۴: HPE Rack Server Solutions**
  - Describe Hewlett Packard Enterprise (HPE) ProLiant DL rack-mounted server models and the workloads they target
  - Name the HPE options for ProLiant Gen9 DL servers
  - Describe the power and cooling features and options available for HPE rack-mounted servers
  - Explain how to use HPE QuickSpecs
- **Module ۵: HPE BladeSystem Server Solutions**
  - Select the operating environment
  - Select the BladeSystem enclosure
  - Select the interconnects and adapters
  - Select the server blades



- Select the storage infrastructure
- Select the infrastructure management
- Select the power and cooling configurations
- Select the services
- **Module ۶: Density Optimized Solutions**
  - Explain why high-performance computing (HPC) is important
  - Describe the features and functions of Hewlett Packard Enterprise (HPE) Apollo systems
  - Discuss the management options available for HPE Apollo solutions
- **Module ۷: HPE Synergy Solutions**
  - Describe Hewlett Packard Enterprise (HPE) Synergy in the context of current Composable Infrastructure trends
  - Discuss possible Synergy customer use cases
  - List the steps to configure a Synergy solution
- **Module ۸: Planning and Designing HPE Server Solutions**
  - Describe how to assess each customer's requirements and environment in order to develop a Hewlett Packard Enterprise (HPE) server solution, including how to perform:
    - Needs analyses
    - Requirements, segment, and workloads analyses
    - Site surveys
  - Name the design considerations that should be taken into account when planning server solutions
  - Identify the HPE tools that can be used to select solution components when designing a solution
  - Explain how to use the return on investment (ROI) and total cost of



ownership (TCO) tools available from HPE

- Describe the process of developing solution proposals
- **Module ۹: Managing the Server Infrastructure**
  - Describe features of HPE Insight Control server provisioning (ICsp)
  - Explain the options available for remote support from HPE
  - Describe the functions of HPE Insight Online in the HPE Support Center
    - Insight Online: My IT Environment
    - Insight Online: My Customer

## مخاطبان دوره

مخاطبان دوره

مخاطبین این دوره عمدتاً دارای عناوین شغلی زیر هستند:

- مشاوران
- مهندسان Pre-sales
- مهندسان فروش
- مهندسان سیستم
- افرادی که معماری راهکارها را بر عهده دارند

## پیش نیازها

پیش نیازها

داشتن یکی از مدارک زیر:



- HPE ATP Server Solutions V۳
- HPE ATP Data Center Solutions V۱

