

## HPE ATP - Server Solutions V4

### **خلاصه:**

در این دوره مخاطبان با انواع سرورهای HP و نحوه انتخاب، پشتیبانی و نگهداری آنها آشنا می‌شوند. همچنین این دوره شامل یادگیری نصب سیستم عامل و نرم افزار های HP نیز می‌باشد. آشنایی با کنترل کننده‌های سخت‌افزاری نظیر ILO نیز از مطالب این دوره خواهد بود.

**مدت دوره : ۲۰ ساعت**

**پیش نیاز:** این دوره نیاز به پیش نیازهای زیادی ندارد و برای شروع این دوره تنها آشنایی با مقدمات شبکه نظیر NETWORK+ کفایت خواهد نمود.

### **اهداف دوره :**

هدف از این دوره آموزش نحوه پیکربندی سرورها، بروزرسانی و عیب یابی آنها است. راهکارهای دسترس پذیری به سرور و اطلاعات در سطح سخت افزار معرفی و ایجاد Raid و نحوه تنظیمات ابزار مدیریتی سرور ILO به طور کامل آموزش داده خواهد شد



#### 1- Transforming IT Strategy

- Identify how the approach to IT strategy is changing in the Idea Economy.
- Describe the HPE Composable Infrastructure strategy.
- Explain how the HPE Transformation Solutions reflect what customers consider most important.
- Describe the HPE Gen10 Compute Experience values.

#### 2- Security

- Explain how security risks impact customers
- Identify the security technologies embedded in HPE ProLiant servers
- Learn more about how the new Gen10 security features make HPE unique
- Describe the chassis and rack-scale security.

#### 3- HPE server technologies and tools

- Identify the processor technologies embedded in ProLiant Gen10 servers.
- Describe Gen10 Intelligent System Tuning.
- Identify ProLiant Gen10 Storage technologies.
- Identify ProLiant Gen10 Network technologies.
- Describe HPE configuration tools.
- Explain on-system management with HPE iLO 5.

#### 4- HPE ProLiant tower servers

- Describe the high-level features of the following HPE tower servers:
- ProLiant ML350 Gen10



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- ProLiant ML110 Gen10
- ProLiant MicroServer Gen10
- ProLiant ML10 Gen9
- ProLiant ML30 Gen9
- ProLiant ML110 Gen9
- ProLiant ML150 Gen9

#### 5- HPE rack server solutions

- Describe, at a high level, the features and market position of the HPE ProLiant DL rack server lines.
- Describe the HPE SimpliVity 380 Hyperconverged solution.
- Describe, at a high level, the features and functions of HPE Intelligent Series Racks.

#### 6- HPE performance computing solutions

- Explain the importance of High Performance Computing.
- Consider the portfolio of HPE High Performance Computing solutions.
- Describe the Apollo 2000 HPC solution.
- Describe the Apollo 10 series HPC solutions.

#### 7- HPE BladeSystem solutions

- Explain how HPE BladeSystem solutions meet data center challenges.  
Provide an overview of the currently shipping HPE ProLiant server blades.
- Describe, at a high level, BladeSystem enclosures and their components, including:
  - Onboard Administrator
  - Insight Display
  - Storage blades
- Summarize BladeSystem interconnect options.



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- Explain HPE OneView and HPE BladeSystem integration

#### 8- HPE Synergy

- Provide a high-level overview of HPE Synergy.
- List and describe the components of HPE Synergy:
  - Composer
  - Compute modules
  - Frames
  - Fabric
  - Storage modules
  - Image Streamer
- Describe the Synergy management subsystem and HPE OneView support.

#### 9- HPE on-system management

- Explain how to prepare a HPE ProLiant server system for deployment.
- Name the tools used during the ProLiant boot process and server configuration:
  - System Utilities
  - BIOS/Platform Configuration
- Name the HPE on-system management tools used prepare a ProLiant system for deployment.
  - iLO 5
  - Intelligent Provisioning
  - HPE Smart Update Manager (HPE SUM)/Service Pack for ProLiant (SPP)
  - RESTful interface tool
  - Agentless Management
  - HPE Smart Storage Administrator (SSA)

#### 10- HPE on-premises and on-cloud management



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- Describe HPE server management.
- Explain the HPE OneView approach to infrastructure lifecycle management.
- Describe the architecture of HPE OneView.
- Explain how HPE OneView integrates with partner products such as:
- HPE OneView for VMware vCenter
- HPE OneView for Microsoft System Center
- HPE OneView for Red Hat Enterprise Virtualization
- Explain how to perform remote management with HPE on-premises and on-cloud management tools.
- HPE iLO Advanced
- HPE Insight Online
- HPE Insight Remote Support