

# Docker Fundamentals plus Enterprise Operations Bundle (6022) H8PC1S

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Delivery mode	ILT, VILT
Course length	5 days
HPE course number	H8PC1S

#### Why HPE Education Services?

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This course includes the full Docker for Enterprise Operations course as well as the prerequisite Docker Fundamentals course in a single intensive training experience. You will have the opportunity to assimilate basic container orchestration and how to scale Docker across multiple nodes in a simple Swarm cluster. Docker for Enterprise Operations is a role-based course designed for Docker Operations teams to accelerate their Docker journey in the enterprise. Students will learn the many advanced features of Docker EE and how to apply them at scale with enterprise workloads.

## **Audience**

IT professionals with an operations or system administration background desiring an intense and rapid onramp to Docker technologies

## **Course objectives**

By the end of this course, successful learners will be able to:

- Assess the advantages of a containerized software development and deployment
- Use Docker engine features necessary for running containerized applications
- Utilize Swarm and Kubernetes orchestrators to deploy, maintain, and scale a distributed application

- Identify the key features of UCP and DTR
- Deploy applications on UCP using Swarm or Kubernetes, governed by secure, rolebased authentication and authorization
- Establish a secure supply chain for containerized software development using DTR

<sup>\*</sup>Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, October 2017

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## **Detailed course outline**

Day 1	<ul><li>Introducing Docker</li><li>Containerization Fundamentals</li><li>Creating Images</li></ul>	Docker Volumes
Day 2	Docker Networking Basics     Introduction to Swarm Mode	Introduction to Kubernetes     Fundamentals Signature Assignment
Day 3	<ul> <li>Introduction to Docker Enterprise Edition</li> <li>Universal Control Plane</li> <li>User Management and Access Control</li> <li>UCP Orchestration</li> </ul>	Container Network Operations
Day 4	<ul> <li>Application Health and Readiness Checks</li> <li>Platform Security</li> <li>Docker Trusted Registry</li> <li>DTR Organizations and Teams</li> </ul>	Content Trust
Day 5	<ul> <li>Image Security Scanning</li> <li>Repository Automation</li> <li>Image Management</li> <li>Operations Signature Assignment</li> </ul>	

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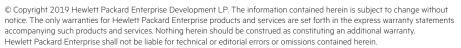
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