Enhance your cloud skills

HPE Helion Education Services

Hewlett Packard
Enterprise

How do I make the most of the cloud?

The cloud is a powerful vehicle that enables you to consume or deliver highly scalable, technology-enabled services over the Internet. With cloud, everything becomes a service—resulting in new and unique business benefits that will help fundamentally change the way your business collaborates, operates, and competes. HPE Helion Education Services, a key component of HPE Helion Professional Services, offers customers a range of global training offerings that are designed to help your IT organization realize the business benefits of the cloud. Hewlett Packard Enterprise will be there at every step of the way helping ensure that people, processes, and technology elements are aligned—so you can achieve the business goals you seek.

Cloud implementation made easy

HPE Helion Education Services benefits from our proprietary technologies, key partnerships, and service management expertise to offer instruction and course materials from the very experts who create, manage, and enhance cloud implementations.

Our service experts help you establish governance capabilities as well as identify and address many operational and technology pitfalls before they affect your business. Whether you are establishing a private cloud, or providing cloud services to external clients, Hewlett Packard Enterprise can help you achieve your business goals.

Planning and deploying a private, public, or hybrid cloud environment takes the right approach, properly skilled people, and effective technologies—Hewlett Packard Enterprise helps you achieve the crucial alignment of technologies, people, and processes.

For cloud service consumers, Hewlett Packard Enterprise offers industry-leading service management and change management training programs to enable IT processes and governance that are robust and capable of operating within the new digital enterprise.

HPE Helion Education Services

With HPE Helion Education Services, we can help ensure you are fully and properly utilizing your resources. With over 35 years of experience, we lead the industry when it comes to skills-based IT training, certification training, and training services focused on end user acceptance during a technology change. Our in-depth, award winning IT training covers all elements of HPE cloud computing and converged infrastructure—from servers to storage to networking and security.

Our vendor-neutral OpenStack® foundation (EXIN), OpenStack Technology (COA), and Cloud Security (CCSK) certifications training has already helped thousands of IT and security professionals upgrade their skillsets and prepare for the future of information technology. Our in-depth security training enables the ability to learn cloud security fundamentals, as well as thoroughly understand threats and best practices for securing the cloud based on the latest guidance document from the Cloud Security Alliance (CSA)[1] and the recommendations from the European Network and Information Security Agency (ENISA).

HPE Helion Education Consulting and HPE Management of Change (MoC)
Education consulting specializes in guiding customers through change.

Our guiding strategy is to work with companies utilizing HPE Helion Education Services consulting creating outcome-based training solutions designed to satisfy the needs of executives, IT, and the workforce.

Transforming business to the cloud will require new skills and roles within the IT department. Our education consultants work with your company to understand the unique business drivers, learning culture, skills, and timelines to create a custom training and education solution tailored to your changing needs.

Industry recognized certifications
An IDC study found that having IT staff members with certified skills is the single biggest predictor of IT project success.[2] Earn industry respected HPE Partner Ready Certification and Learning, OpenStack and third-party data center and cloud certifications and reap the benefits for your organization and career. To start your cloud education planning use HPE's Learning Plans at **HPE Partner Ready Certification and Learning**.

[1] Cloud Security Alliance is a non-profit organization with over 120 corporate sponsors, including Hewlett Packard Enterprise, and is a leader in developing industry best practices for cloud security. The Certificate of Cloud Security Knowledge (CCSK) from CSA is the industry's first cloud security certification.

[2] Realize Technology Value with Training, IDC Infographic 2037, Sponsored by Hewlett Packard Enterprise January 2016.

HPE Helion

HPE Helion Education Consulting and HPE Management of Change
- Performance Optimization
- MoC Education Consulting
- Education Needs Advisements
- Skills Gap Analysis
- MoC Project Management
- IT Service Management

Key benefits

Reduce costs: Effective implementation of cloud and correctly skilled people helps in cost savings, enabling IT to contribute more profits to the organization. Reduce support costs and downtime enabling new capabilities for employees.

Balance IT spends: Hewlett Packard Enterprise supports your implementation of cloud so that through innovation you can discover and enable methods that contribute to increased revenue. With cloud services, IT can contribute more programs or services, paving the way for the organization to earn more revenue. Hewlett Packard Enterprise will train your people to provide, use, and manage your full cloud solution more efficiently.

Create an agile solution: When implemented with HPE Cloud Education Services, your cloud can make your infrastructure and organization more agile, making it quicker to respond to changing business requirements.

Skilled workforce: IT teams that have the right skills and knowledge rapidly adopt new technology and solutions, enabling you to realize the best return on your technology investment.

Hewlett Packard Enterprise differentiators

- Hewlett Packard Enterprise is a 2014 IDC MarketScape leader in Cloud training[3]

- Flexible learning options, with online virtual labs, self-study, classroom, Virtual Instructor Led Training (VILT), and 90 onsite training sites worldwide

Workforce readiness for cloud
- Prepare with cloud simulation
- Intro to cloud with web-based training

HPE Education Consulting
- Skills gap analysis
- Workforce transformation/ MoC (Management of Change)
- Packaged services

Technology training and certification
- OpenStack Foundation training
- EXIN Foundation Certification in OpenStack Software
- HPE Helion OpenStack and HPE Helion Development Platform advanced training

Find HPE training and certification
- **hpe.com/ww/learncloud**

HPE Helion CloudSystem
- Expand existing and unlock new opportunities with the CloudSystem 9.0 Foundation and Enterprise trainings

Continuous skill development
- Advanced OpenStack Training for Neutron, Swift, and Cylinder
- Cloud Security, NFV, Helion Carrier Grade

Learning environments
- HPE MyRoom (virtual collaboration)
- HPE Virtual Labs for hands-on

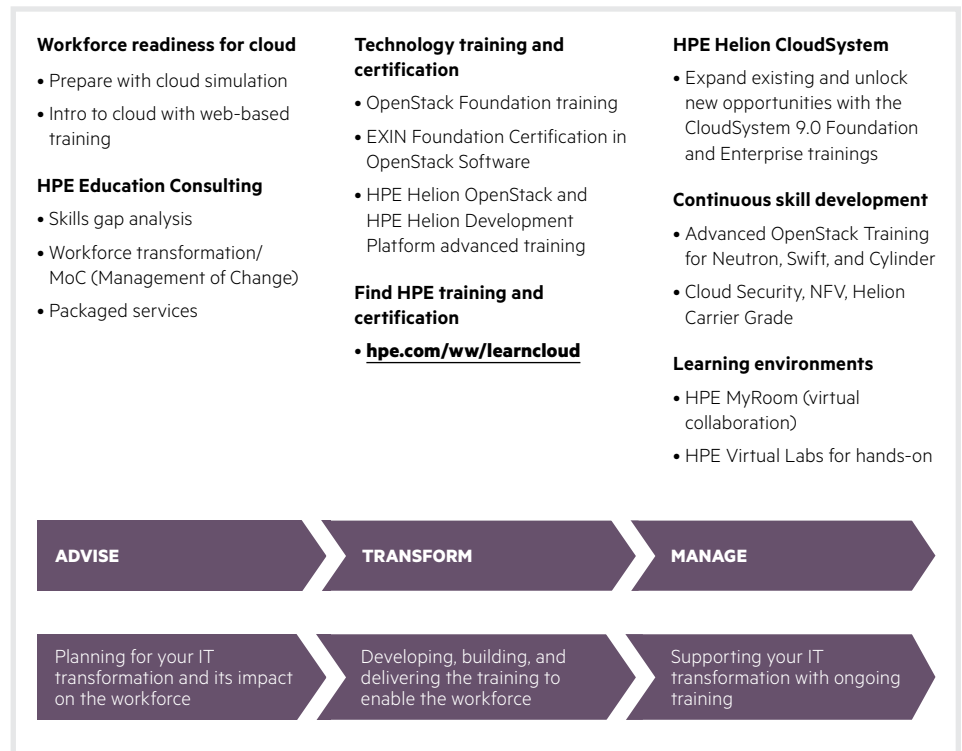| ADVISE	TRANSFORM	MANAGE
Planning for your IT transformation and its impact on the workforce	Developing, building, and delivering the training to enable the workforce	Supporting your IT transformation with ongoing training

Figure 1. Enable workforce for your cloud journey and HPE Helion
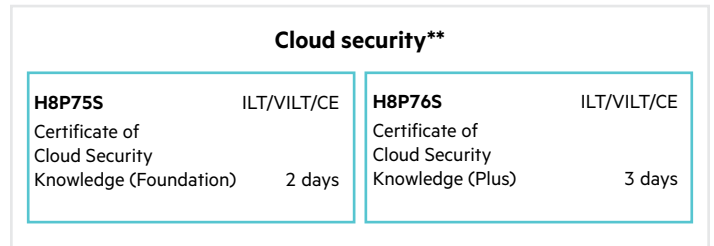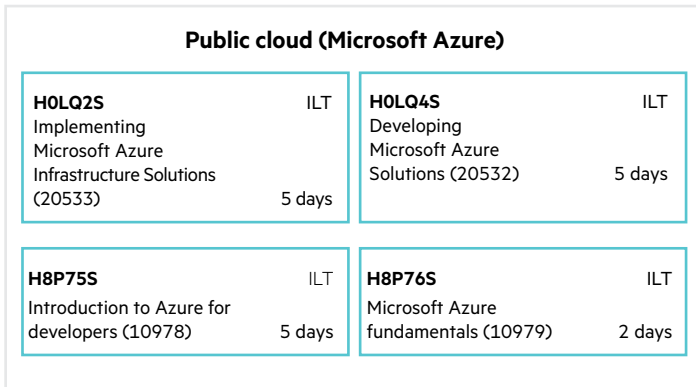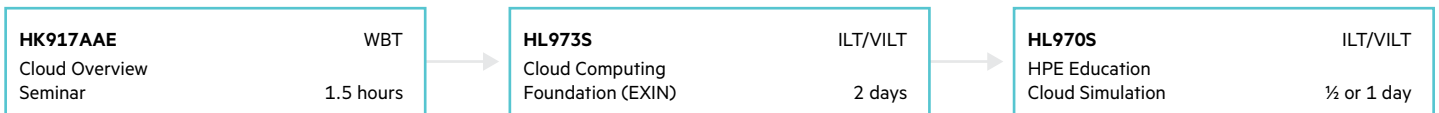
[3] IDC MarketScape: U.S. Cloud Training Ecosystem August 2014 Vendor Assessment, IDC #250180

Ride the cloud wave with us

Let Hewlett Packard Enterprise and HPE Helion Education Services help you with your cloud implementation. Make that next step count and let us show you what it means to get an HPE education. People learn in different ways. Hewlett Packard Enterprise has tailored its training paths to suit different learning.

Delivery mode

ILT—Instructor-led training "classroom"
vILT—Virtual Instructor-led training
WBT—Web-based training "self-placed"
CE—Certification exam

HK917AAE	WBT
Cloud Overview	
Seminar	1.5 hours

HL973S	ILT/VILT
Cloud Computing	
Foundation (EXIN)	2 days

HL970S	ILT/VILT
HPE Education	
Cloud Simulation	½ or 1 day

Public cloud (Microsoft Azure)

H0LQ2S	ILT
Implementing	
Microsoft Azure	
Infrastructure Solutions	
(20533)	5 days

H0LQ4S	ILT
Developing	
Microsoft Azure	
Solutions (20532)	5 days

H8P75S	ILT
Introduction to Azure for	
developers (10978)	5 days

H8P76S	ILT
Microsoft Azure	
fundamentals (10979)	2 days

Cloud security**

H8P75S	ILT/VILT/CE
Certificate of	
Cloud Security	
Knowledge (Foundation)	2 days

H8P76S	ILT/VILT/CE
Certificate of	
Cloud Security	
Knowledge (Plus)	3 days

** Cloud Security courses are a set of core skills, applicable to all cloud curriculums

Figure 2. HPE Cloud Computing Curriculum

Delivery mode

ILT—Instructor-led training "classroom"
vILT—Virtual Instructor-led training
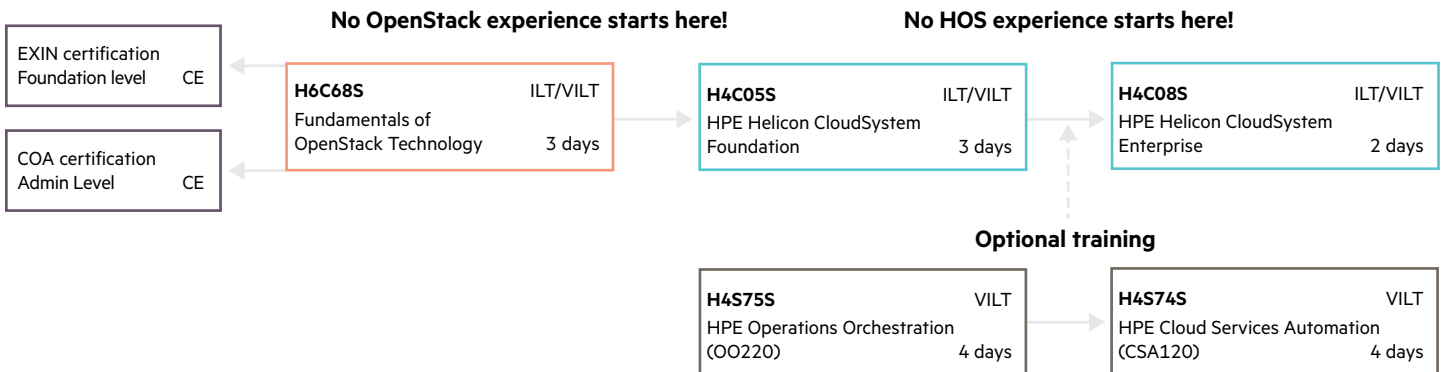**WBT—**Web-based training "self-placed"
CE—Certification exam

No OpenStack experience starts here!   **No HOS experience starts here!**

| EXIN certification Foundation level   CE |

| H6C68S   ILT/VILT |
| Fundamentals of OpenStack Technology   3 days |

| COA certification Admin Level   CE |

| H4C05S   ILT/VILT |
| HPE Helicon CloudSystem Foundation   3 days |

| H4C08S   ILT/VILT |
| HPE Helicon CloudSystem Enterprise   2 days |

Optional training

| H4S75S   VILT |
| HPE Operations Orchestration (OO220)   4 days |

| H4S74S   VILT |
| HPE Cloud Services Automation (CSA120)   4 days |

Figure 3. HPE Helion CloudSystem Curriculum

| H6C68S   ILT/VILT |
| Fundamentals of OpenStack Technology   3 days |

| H8Q14S   ILT/VILT |
| HPE Helicon OpenStack   3 days |

HPE Helion Stackato

| H2UV2S   ILT |
| HPE Helion Stackato DevOps Engineers   4 days |

| H2UV3S   ILT |
| Cloud Native Development with HPE Helion Stackato   4 days |

| H2UV4S   ILT |
| HPE Helion Stackato for DevOps Engineers   2 days |

| H2UV5S   ILT |
| Cloud-Native Development with HPE Helion Stackato   2 days |

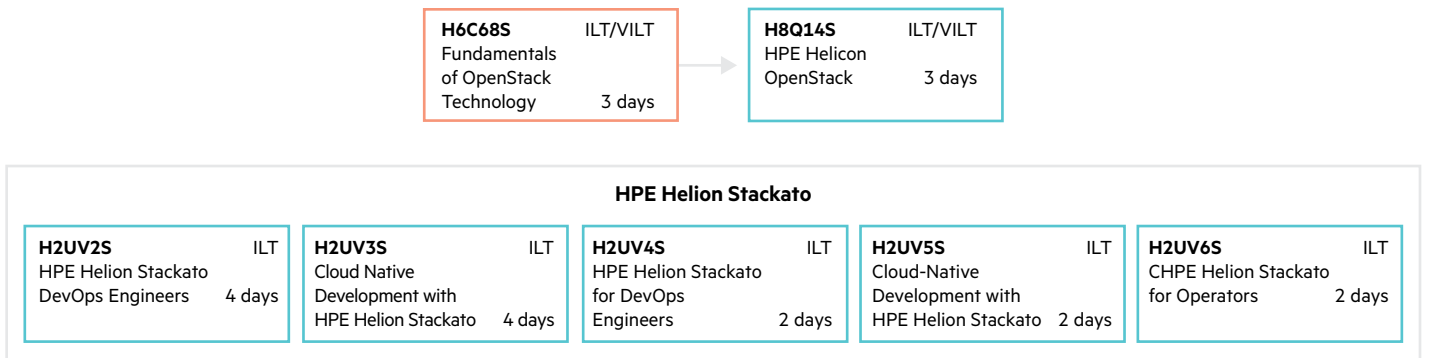| H2UV6S   ILT |
| CHPE Helion Stackato for Operators   2 days |

Figure 4. HPE Helion OpenStack Curriculum

Delivery mode

ILT—Instructor-led training "classroom"
vILT—Virtual Instructor-led training
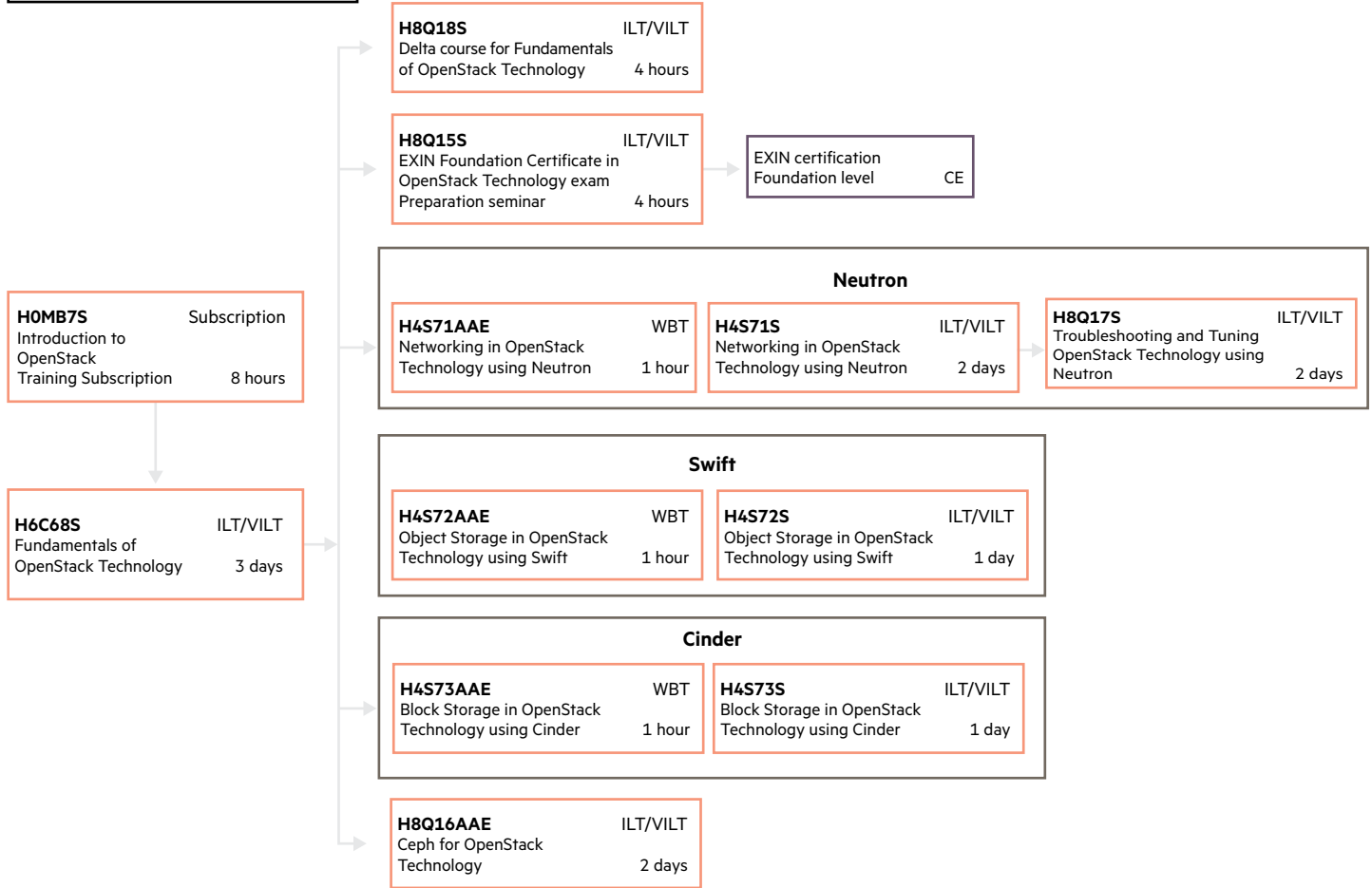**WBT—**Web-based training "self-placed"
CE—Certification exam

H8Q18S ILT/VILT
Delta course for Fundamentals
of OpenStack Technology   4 hours

H8Q15S ILT/VILT
EXIN Foundation Certificate in
OpenStack Technology exam
Preparation seminar   4 hours

EXIN certification
Foundation level   CE

H0MB7S Subscription
Introduction to
OpenStack
Training Subscription   8 hours

Neutron

H4S71AAE WBT
Networking in OpenStack
Technology using Neutron   1 hour

H4S71S ILT/VILT
Networking in OpenStack
Technology using Neutron   2 days

H8Q17S ILT/VILT
Troubleshooting and Tuning
OpenStack Technology using
Neutron   2 days

H6C68S ILT/VILT
Fundamentals of
OpenStack Technology   3 days

Swift

H4S72AAE WBT
Object Storage in OpenStack
Technology using Swift   1 hour

H4S72S ILT/VILT
Object Storage in OpenStack
Technology using Swift   1 day

Cinder

H4S73AAE WBT
Block Storage in OpenStack
Technology using Cinder   1 hour

H4S73S ILT/VILT
Block Storage in OpenStack
Technology using Cinder   1 day

H8Q16AAE ILT/VILT
Ceph for OpenStack
Technology   2 days

Figure 5. OpenStack Technology Curriculum

Learn more at
hpe.com/ww/learncloud

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