

CONQUER

the skills gap

HP Education Services for
HP Converged Infrastructure and
CloudSystem Training

Brochure

HP Converged Infrastructure

HP Converged Infrastructure accelerates the provisioning of IT services and applications by integrating servers, storage, networking, security, power, cooling, and facilities into shared pools of interoperable resources—all controlled through a common management platform. The result is the ability to deliver any workload—anywhere, anytime—to achieve better business results.

Converged Infrastructure is the ideal approach for enabling cloud computing, consolidation, protecting mission-critical workloads, upgrading or converging applications, extending virtualization across the data center, or increasing energy efficiency.

HP Converged Infrastructure is based on the modular *HP BladeSystem* architecture which includes the highly automated *Matrix Operating Environment (Matrix OE)*. Matrix OE enables

rapid provisioning of complex infrastructure services—adjusting them to meet changing business demands. It also includes Cloud Service Automation for basic application provisioning and compliance monitoring. In addition, the HP Virtual Connect modules and adapters offer the world's simplest, most flexible way to connect servers to any network: one module connects any Ethernet, iSCSI or Fibre Channel network.

Since Converged Infrastructure is a shared services model which uses pools of computing, storage and network resources, it is the ideal foundation for HP's cloud infrastructure—HP CloudSystem. HP CloudSystem integrates proven technologies to provide a complete and open solution to build and manage cloud services. Services can be readily provisioned and adjusted to meet changing business demands. The solution is designed to be easily purchased, quickly deployed and seamlessly integrated into existing environments.

Components of HP Converged Infrastructure



HP CloudSystem

HP CloudSystem is the most complete, integrated, open solution that enables enterprises and service providers to build and manage a full range of cloud services (IaaS, SaaS and PaaS). CloudSystem lets enterprises gain agility and speed, and allows service providers to drive top line growth. As the most integrated and open platform, it delivers a truly unified experience.

To address the diversity of our client base, HP offers three CloudSystem offerings designed for different use cases and customer needs:



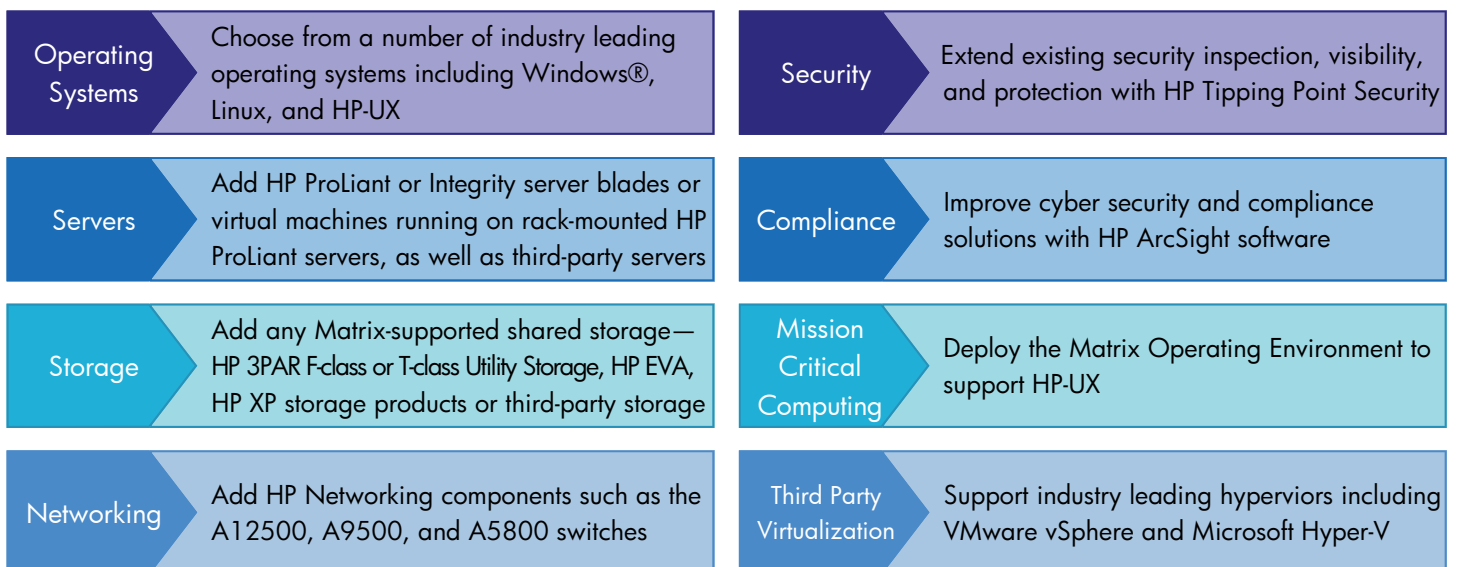
HP CloudSystem Supply Layer

The HP CloudSystem supply layer includes a number of well-established HP technologies and functionality:

- **HP BladeSystem c-Class**—including c7000 enclosure, server blades, **Virtual Connect** with Flex-10 or FlexFabric, and Thermal Logic.
- **HP Matrix Operating Environment**—providing infrastructure provisioning, infrastructure optimization and protection for service continuity.
- **HP Insight Control**—enabling the user to proactively manage server health—whether physical or virtual—and deploy servers quickly, optimize power consumption easily, and control servers from almost anywhere.
- **HP Networking**—supporting connectivity to standard storage area network or Fibre Channel network.

HP CloudSystem Extensions

To meet a broad set of IT needs, HP CloudSystem’s capabilities can be extended with a flexible array of HP’s market-leading



Bookmark this URL for details on HP CloudSystem Training:
www.hp.com/education/sections/cloud.html

HP CloudSystem Training

With award-winning training from HP Education Services, your team gains the skills and knowledge needed to get the most from your HP CloudSystem implementation.

HP Education Services offers:

- **Breadth and depth of curriculum.** HP Education Services supports all the component technologies deployed with HP Converged Infrastructure/CloudSystem—including CloudSystem Extensions. Our curriculum builds both core and advanced skills.
- **Unparalleled HP expertise.** HP Education Services leverages HP proprietary technologies and key partnerships to offer

instruction and course materials from the same experts that create, manage, and enhance the HP CloudSystem component technologies.

- **Flexible delivery options.** Delivery options include traditional classroom courses at [HP Education Centers](#); live, virtual instruction via [HP RAIL](#); and, **dedicated training classes**—tailored to your needs—delivered at your site or via RAIL.
- **Global delivery capability.** Whether you choose traditional open enrollment classes at one of HP’s Education Centers (located throughout the world), or virtual RAIL delivery, HP ensures that your team gets consistent, highest quality training delivered by our professional instructors.

HP CloudSystem Curriculum

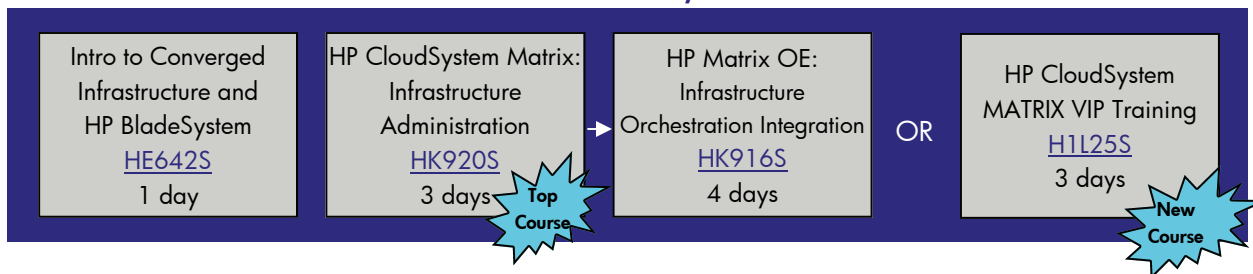
Cloud Computing Overview

Cloud Overview WBT HK917AAE 1.5 hrs	Cloud Foundation HK922S 1 day	Cloud Simulation HL970S 1 day	Architecting HP CloudSystem Solutions HL984S 2 days	VMware vCloud Overview HK797S 1 day
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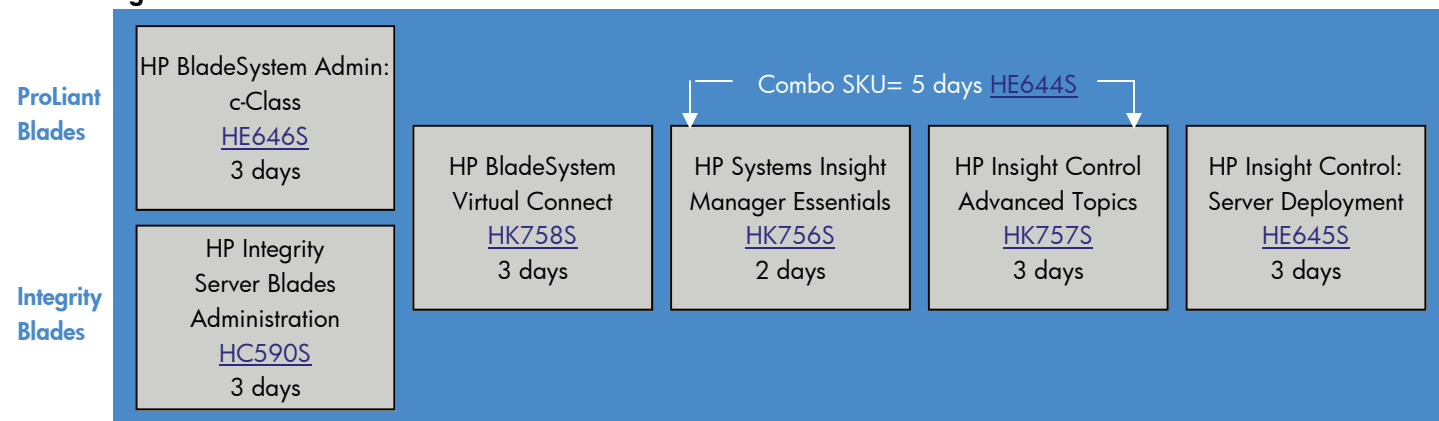
VMware vCloud

VMware vSphere 5: Install, Configure, Manage HL235S 5 days	VMware vCloud: Architecting the VMware Cloud HK798S 3 days
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HP CloudStart/CloudSystem



HP Converged Infrastructure Curriculum



HP CloudSystem Extensions

For additional information on HP CloudSystem extensions training, visit us online: www.hp.com/education/currpath/cloud.html

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HP Care Pack Services for ProLiant Training—HF385E (Fixed)/HF385A1 (Flexible)

Be sure to ask your Account Representative to attach ProLiant training credits to your HP Converged Infrastructure, CloudSystem and/or VMware order. With our new *HP Care Pack Services for ProLiant Training*, purchasing and managing HP BladeSystem/CloudSystem training is easier than ever.

Benefits of *HP Care Pack Services for ProLiant Training*

- Flexible—Attend training as you need it. There is no need to know student names, dates or even locations in advance.
- Practical—Lock in budget dollars by pre-purchasing training credits while funding is available.
- Convenient—Minimize the time and effort spent on purchasing and managing training throughout the year. A single purchasing transaction sets up your *HP Care Pack for ProLiant Training*. And once in place, students simply enroll for classes as needed—no additional funding, purchase orders or approvals are required
- Economical— discounts may be available based on quantity purchased. The more you buy, the more you save.

Features

- The Care Pack is valid for 12 months from the date of activation.
- HP sends a Care Pack Welcome Letter after each purchase is completed—so you will know exactly how to select courses, enroll in classes, and redeem your Care Pack training units.
- Care Packs can be used to attend any training offered by HP Education Services in US or Canada—including open enrollment classes at HP Education Centers; live, online classes by RAIL; dedicated onsite classes; or online, self-paced training.
- Training units (or training credits) are priced at \$800 USD/\$880 CDN per day—the cost for one student to attend one day of open enrollment ProLiant or VMware training.
- If you choose to use HF385E (Fixed)/HF385A1 (Flexible) for courses outside of the ProLiant or VMware portfolios, then the dollar value of the courses will be redeemed rather than the number of days.

HP Care Pack for ProLiant Training: Units to Attach

One unit of *HP Care Pack for ProLiant Training* is equal to one day of training per student. Use our course recommendations below or choose a different mix of courses to meet your needs.

Customer is New to HP BladeSystem, Insight, Virtual Connect, HP CloudSystem Matrix and VMware		
Course #	Course Title	Days
HE646S	HP BladeSystem Administration: c-Class	3
HE643S	Essentials for HP ProLiant	2
HK758S	HP BladeSystem Virtual Connect	3
HK756S	HP Systems Insight Mgmt Essentials	2
HK757S	HP Insight Control Advanced Topics	3
<i>Subtotal Training Days or Units</i>		<i>13</i>
HE642AAE	Intro to Converged Infrastructure Online Seminar	1
HL235S	VMware vSphere 5:Install, Configure, Manage	5
HK920S	HP CloudSystem: Infrastructure Admin	3
HK916S	HP Matrix Operating Environment: Infrastructure Orchestration Integration	4
<i>Subtotal Training Days or Units</i>		<i>13</i>
TOTAL	HF385E/A1 Training Days or Units	26

Existing HP BladeSystem/HP Insight/VMware Customer— but new to HP CloudStart/CloudSystem Matrix		
Course #	Course Title	Days
HK922S	Cloud Foundation	1
HL970S	HP Education Cloud Simulation	1
HK920S	HP CloudSystem Matrix: Infrastructure Admin	3
HK916S	HP Matrix OE: Infrastructure Orchestration Integration	4
HK797S	VMware vCloud Overview	1
HK798S	VMware vCloud: Architecting the VMware Cloud	3
TOTAL	HF385E/A1 Training Days or Units	13

Existing HP BladeSystem/HP Insight Customer— but new to VMware and HP CloudSystem Matrix		
Course #	Course Title	Days
HE642AAE	Intro to Converged Infrastructure Online Seminar	1
HL235S	VMware vSphere 5:Install, Configure, Manage	5
HK920S	HP CloudSystem Matrix: Infrastructure Admin	3
HK916S	HP Matrix Operating Environment: Infrastructure Orchestration Integration	4
TOTAL	HF385E/A1 Training Days or Units	13

For more information on building a quote using the [HP Care Pack for ProLiant Training](#), please visit us online.

