



CLOUD COMPUTING - PLANNING, DESIGN AND IMPLEMENTATION (5 DAYS)

What is Cloud Computing?

Cloud Computing creates a shared computing infrastructure from physical and virtual resources to deliver application environments according to workload-aware and resource-aware policies.

Cloud Computing eliminates over-purchase of systems to meet peak demand, resulting in lower CapEx and higher utilization.

An intelligent Cloud Computing middleware find the right systems to meet application requirements in a timely and cost effective manner and efficiently arbitrate resource usage among competing tenants to align with business priorities.

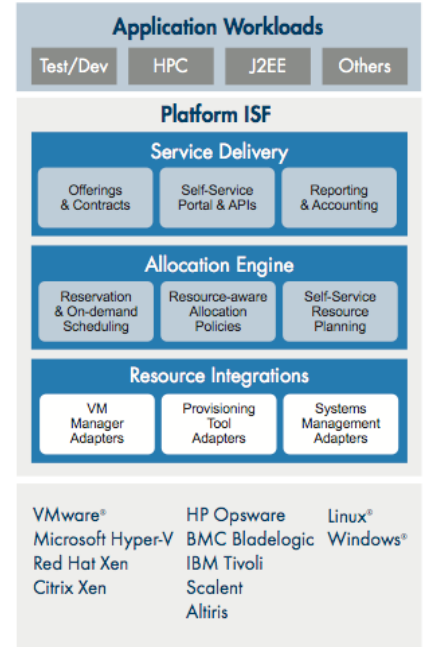
Objectives of the 5-day Cloud Computing Course

This 5-day intensive course is a combination of theory and practical hands-on workshops to expose the participants to cloud computing. At the end of the course, the participant will be sufficiently equipped to evaluate, analyze and build a basic cloud computing infrastructure. **This course is CITREP approved.**

Target Audience

This course is suitable for developers, systems administrators and IT infrastructure engineers and managers who needs to understand and implement a cloud computing infrastructure.

Support for diverse workload



Day 1: Introduction and Cloud Computing with Virtual Machines

- Introduction to Cloud Computing
- External vs Internal Clouds
- Training course project introduction
- IAAS, PASS, SAAS explained
- IAAS technologies – cloud enabling your infrastructure
- PASS technologies – cloud enabling your applications
- *Lunch Break*
- Introduction to Virtualization
- VM Cloud Use Cases
- Difference between the various VM technologies
- Introducing Xen Hypervisor
- Installation Citrix Xen and Xen Center

Day 2: Cloud Computing with Physical Machines

- High Availability, VM migration in a VM Cloud
- Building your first VM Cloud (Part 1)
- Introduction to Physical Provisioning
- Physical Machine Cloud Use Cases
- *Lunch Break*
- Introducing Platform PCM
- Building a Physical Machine Cloud

Day 3: Cloud Enabling your Datacenter with Platform ISF

- Introduction to Platform Enterprise Grid Orchestration (EGO)
- Platform EGO walkthrough and hands-on
- Introducing Platform Infrastructure Sharing Facility (ISF)
- ISF Security and User Management
- ISF application definition/instance, account and user concepts
- *Lunch Break*
- ISF Dynamic Resource Allocation and Policies
- Integrating your VM cloud and Physical Machine cloud
- Building your own application definitions
- Selling your resources

Day 4: Cloud enabling your infrastructure with service orchestration

- Introduction to Platform Load Sharing Facility (LSF)
- Platform LSF Walk through
- Platform LSF installation and basic configuration
- *Lunch Break*
- LSF Grid/Cloud use cases
- Building your first service orchestration with LSF (Part II)
- LSF best practices

Day 5: Accelerating your applications and Summary

- Introduction to Platform Symphony
- Platform Symphony Use Cases
- Platform Symphony resiliency in a cloud environment
- Symphony Installation and basic configuration.
- Building service orchestration with Symphony (Part III)
- *Lunch Break*
- Participant presentation on cloud implementation
- Evaluation test
- Summary

About Platform Computing Cloud Innovation Centre (CIC)

The Cloud Innovation Centre (CIC) is a collaboration between Platform Computing and IDA Singapore.

CIC enables Singapore enterprises, ISV and Start-ups to accelerate their adoption of Cloud Computing technologies to position them for the next generation of XAAS.

Contact : jchow@platform.com
Tel : +65 6307 6590