

Platform Services Cloud Innovation Centre

Cloud computing planning, design
and implementation training (5 days)

Valid for Singapore organizations only*



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.

Cloud computing management software works to deliver the right systems to meet application requirements in a timely and cost effective manner. It also efficiently arbitrates 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 endorsed under enhanced CITREP*.

Target audience

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

Course price

*The enhanced CITREP supports up to 80% of the course and exam fees, capped at \$3,000 per trainee. Terms and conditions apply. For details, please visit www.ida.gov.sg/citrep

MR ref code: CITREP0910/MR/10-01/218

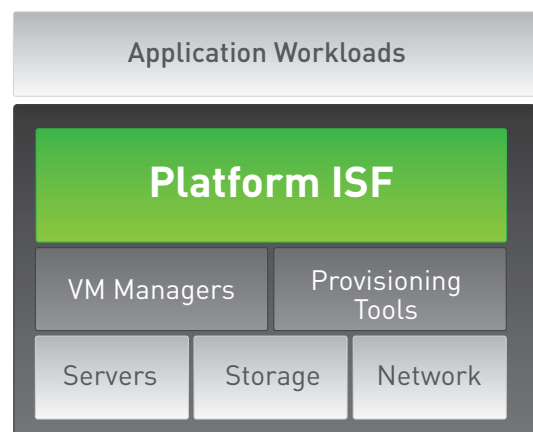
About Platform Computing Cloud Innovation Centre (CIC)

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

CIC enables Singapore based enterprises, ISV and start-ups to accelerate their adoption of cloud computing technologies to position them for the next generation of XaaS.

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Platform ISF in the data center





Day 1: Introduction to cloud computing with virtual machines (VM)

- 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
- Introduction to virtualization
- VM cloud use cases
- Difference between the various VM technologies
- Introducing Xen Hypervisor
- Installing 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
- Introducing Platform Cluster Manager
- Building a physical machine cloud

Day 3: Cloud enabling your datacenter with Platform ISF

- Introducing Platform ISF
- Platform ISF security and user management
- Platform ISF application definition/instance, account and user concepts
- Platform 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 LSF
- Platform LSF walk through
- Platform LSF installation and basic configuration
- Platform LSF grid/cloud use cases
- Building your first service orchestration with Platform LSF (part 2)
- Platform LSF best practices

Day 5: Accelerating your applications and summary

- High level introduction to Hadoop
- Hadoop use cases
- Running a Hadoop sample application in your test cloud
- Participant presentation on cloud implementation
- Evaluation test
- Summary



Platform Computing is the leader in cluster, grid and cloud management software - serving more than 2,000 of the world's most demanding organizations for over 18 years. Our workload and resource management solutions deliver IT responsiveness and lower costs for enterprise and HPC applications. Platform has strategic relationships with Cray, Dell™, HP, IBM®, Intel®, Microsoft®, Red Hat®, and SAS®. Visit www.platform.com.

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