

PROJECT INTRODUCTION

Objectives

Managed Computing Competency Centre (MC³), established under the Java Tarik V initiative, was set up by Sun Microsystems, IDA and NTU to formulate utility concepts and technologies to develop managed utility computing models for industry.

Project Investigator / Manager

Prof. Robert Gay
Nanyang Technological University
eklgay@ntu.edu.sg

Period of Project

01 Nov 2003 – 31 Jan 2006

Website

www.mc-3.org

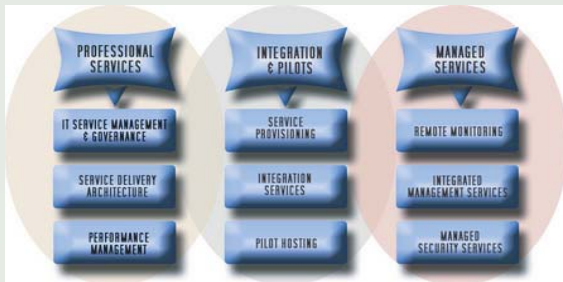
Abstract

MC3 aimed to position Singapore as the ideal Digital Living Lab for testing, deployment, & management of quality utility computing services in the Asia-Pacific through awareness, reference architectures, consulting and commercial pilots.

PROJECT DETAILS

Description

MC3 established core competency in areas of Grid Computing, Service Level Management, Service Continuity, Utility provisioning, metering and billing. MC3 engaged various pilot projects with commercial partners in industry verticals such as Digital Media, Logistic & Transport, Semiconductor, and Bioinformatics. Core services provided by the Centre were as follows:



PROFESSIONAL SERVICES

- IT Service Management & Governance:
 - Ensure that Service Providers have a framework for IT Governance (eg. Using COBIT)
 - Equip Service Providers with models & processes for IT Service management (eg. using SunTone & ITIL)
 - Regional Auditor (Asia South) for Sun Microsystems' internationally recognized SunTone Certification Programme

- Service Delivery Architecture:
 - Defines service delivery architecture and a technology roadmap that is aligned to the business plan.
- Performance Management:
 - Based on in-house developed CHECK-IDENTIFY-RECTIFY-SCALE methodology

CHECK	Response Time Monitoring
IDENTIFY	Concurrency Test
RECTIFY	Performance Verification Test & Tuning
SCALE	Performance Scalability Profiling

INTEGRATION & PILOT HOSTING SERVICES

- Automated provisioning of IT services and applications.

MANAGED SERVICES

- Remote management of network devices (Cisco), servers (Solaris, Linux, Windows 2000), and software (Oracle DBMS, Sun JES, Apache/Tomcat).

Collaborating Organizations:

- Sun Microsystems
- Infocomm Development Authority