

PROJECT INTRODUCTION

Objectives

To enable a visually appealing demonstration environment for Grid Computing that is easy to use and that can be used as a showcase for collaborators, from Sun Solution Centers (SSC) around the world.

Project Investigator / Manager

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Period of Project

01 Sep 2005 – 31 Jun 2006

Website

<http://apstc.sun.com.sg/iforcewgrid>

Abstract

The SSC World Grid provides the means to demonstrate Grid Computing, deployed on a world-wide scale via SSCs in Singapore, Tokyo, Seoul, Sydney, Newark, UK, Madrid and Paris.

PROJECT DETAILS

Description

The SSC Center World Grid is intended as a demonstration platform for Grid Computing related technologies. This is a solution that is continuously evolving by constantly deploying new demonstration tools and improving the underlying architecture. Throughout the scope of this project, new centers could be added with very little configuration efforts and provide close collaborators with a showcase environment for their technologies, as well as creating a truly unique environment for customers to experience the power and convenience of Grid Computing.

Sun Solution Centers

Sun Microsystems Inc. maintains several SSCs located around the world for the purpose of providing a live demonstration environment to interested (potential) customers. The available demonstrations range from minor software components to large HPC setups. These centers provide a crucial representation of the capabilities of Sun Microsystems Inc.'s hardware, software and services.

Through these centers, Asia Pacific Science & Technology Center (APSTC) participates by demonstrating a live Grid Computing deployment, running demonstration applications provided by collaborators from all around the world.

Involved Software

To ensure a successful deployment of the implementation, a variety of software is used to provision the computational resource management, user interface, secure communication channel and file-transport between the various centers. These technologies are: N1 Grid Engine 6.0u6, Globus Toolkit 4.0, GridWay 4.02RC1 and a highly customized version of Grid Engine Portal to function with GridWay, running on Java Enterprise Systems Portal Server.

Collaborating Organization:

Sun Solution Center