

PROJECT INTRODUCTION

Objectives

To create new intellectual property around grid computing for possible commercial exploitation through collaboration between Singapore's research community and HP Labs.

Abstract

The AE@SG R&D projects aim at IP creation in the areas of Grid portal, applications, middleware and Grid business models. Opportunities also exist for test-bedding, co-development, commercialization and expertise transfer to benefit local infocomm companies and industry users.

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Period of Project

1 Dec 2004 – 30 Nov 2006

PROJECT DETAILS

Description

The main objective of this collaboration is to establish Singapore as a strategic partner to HP's corporate research by facilitating collaboration between HP and Singapore's research community.

The projects are:

1. Media portal for Grid – a real-time collaborative environment and media workbench
2. Grid-enabled graphics and animation applications
3. Information service, job execution, and management middleware for Grid – for resource virtualization and allocation
4. Web-service enabled resource management
5. Market-based resource allocation for Grid computing with real demand data and agent mediation

Besides project participation with HP Labs, there are also exchange visits between researchers from both sides to identify new collaboration opportunities.

Collaborating Organizations:

- National Grid Office
- Infocomm Development Authority
- Hewlett-Packard Labs