

MIMOS spearheads Malaysia's National Grid Initiative

Grid Computing Centre focuses on developing Prototype of Grid Computing Infrastructure and Services

What:MIMOS has been tasked to spearhead the Malaysian National Grid Initiative under the Ninth Malaysia Plan (9MP) aimed at making national information technology (IT) utility service a reality

Why:MIMOS Grid Computing Centre focuses on developing prototype of Grid Computing Infrastructure and Services

How:MIMOS is the leading the efforts through the creation of a National Technology Roadmap for Grid Computing

Who:Thillai Raj,
Vice President,

Software Development & Central Engineering,
MIMOS

Kuala Lumpur, 12 February 2007 – MIMOS has been tasked to spearhead Malaysia's National Grid Initiative under the Ninth Malaysia Plan (9MP) aimed at making national information technology (IT) utility service a reality.

“At the heart of the initiative is to establish a grid technology platform that provides secured, dependable, consistent, pervasive and inexpensive access to computational and data capabilities nation-wide,” said Thillai Raj, Vice President, Software Development & Central Engineering, MIMOS.

“To accomplish this, MIMOS is focusing on creating a framework based on Service Oriented Architecture (SOA) to provide a seamless resources provisioning over shared resources infrastructure and network management capabilities through a fool proof security policy management. The end result will be a unified grid portal that is highly flexible and user friendly.”

Under the 9MP, Grid Computing is highlighted as a means to reduce the cost of investment in sciences and engineering research through the efficient sharing of compute resources. This will enhance the Brain Gain initiative by the Ministry of Science, Technology and Innovation, as it provides affordable tools and resources for local researchers and industry players to jumpstart into the K-economy.

Through the National Grid Initiative, applications like the Agribazaar (www.agribazaar.com.my), can further uplift the livelihood of communities in the agriculture and agro-based industries as it provides a highly secure environment for transactions to be carried out across the globe between the farmers and their prospective clients.

The Grid also offers compute resources where problems like weather modeling, earthquake simulation and protein folding, DNA research, as well as drug design can be achieved in a significantly lower cost to accelerate the nation's advancement in the forecasting of natural disasters and biotechnology initiatives.

Grid Computing Centre

The major thrust of MIMOS Grid Computing Centre is focused on building a prototype grid infrastructure as well as data mining applications that will benefit the research community.

The priority of the centre's initiative is on investigating and developing middleware tools, enablers, applications and grid facility, infostructure, and security.

Grid Computing is one of eight technology thrust areas of focus for MIMOS in line with its efforts of becoming the premier applied research centre in frontier technologies.

MIMOS' other technology thrust areas include cyberspace security, encryption systems, wireless broadband, micro energy, MEMS/NEMS systems, advanced informatics and knowledge technology.