

30 July 2008

FACT SHEET

S'pore Centre of Excellence for Global Cloud Computing Test Bed

As a Centre of Excellence in this joint initiative by Yahoo Research, HP Labs and Intel Corporation, the Infocomm Development Authority of Singapore will create opportunities for research and development in the area of cloud computing, enhance local capabilities and also let users here have easy access to this next generation service.

The Internet has become pervasive and integral to people's lives. Its utility will only grow as more applications are offered through it. In time, IDA foresees that businesses and end-users will be accessing applications, such as word processing, storage, and even compute power, through the Web. In short, the interwoven nature of Internet applications will be akin to a "cloud" of services that everyone can eventually access easily through a broadband connection.

Imagine your "C-Drive" or hard-drive in the Internet. Or devices that enable us to automatically record and index everything we see, hear and do, coupled with powerful search engines that can help us to never forget anything anymore.

With this increasingly networked environment, IDA is building an ultra high-speed network, the Next Generation National Broadband Network, to cater to such a reality. Cloud Computing will be a next generation service that will require such a high-speed infrastructure, and such high-speed infrastructure will be in place by 2015 to enable it.

IDA Areas of Focus for Singapore Centre of Excellence

Research and Development

Researchers from HP Labs, Intel, Yahoo Research and Singapore will jointly identify the research and development focus for the test bed. However, the main aim is to build up a core group of people who have the skill set to undertake and develop Cloud Computing innovations.

Specifically:

- (a) Research – This testbed targets to facilitate as many as 45 projects, with 15 of them being global collaboration projects;
- (b) Development – The Centre aims to provide access to grid services and resources for more than 10 Internet-scale projects in the area of developing software and applications for Cloud Computing.

Local Capabilities

IDA Singapore will work with Yahoo closely to embark on a “train-the-trainers” programme as part of this testbed initiative. The plan is to equip **up to 60** local experts from the Institutes of Higher Learning (IHLs) and industry with in-depth know-how of Cloud Computing. The “trainers” will impart their knowledge on Cloud Computing to their students at the IHLs and interested industry parties.

FOR MORE INFORMATION

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