

Grid & Cluster Computing State of the Union

A Sun Perspective

Fritz Ferstl

Director Sun Grid Engineering and HPC on Solaris





"Hype-Sequence" or Evolution?

Organic IT

The Next Computing Revolution | Technology Leadership Forum. Industry experts believe that this new architecture, and load Revocal Tayill address the peeds of both IT and busi-

GRID COMPUTING

of the power grid, and the wipeout of vast data reserves.

Adaptive Enterprise

procession duty farmer in Califorms, is organizing a stud case-

White House that this talk climtion is at stake, The precions of

Autonomic Computing

In a senarate statement

Dynamic Systems Initiative

Applications versus Business Process Management

Computing Clouds

The Next Computing Revolution | Technology Leadership Forum. Industry experts believe that this new architecture,

On-Demand

March 16, 2005

About three weeks after corporate computers and network

Meta-Computing

of the power grid, and the wipeout of vast data reserves.

It's just a matter of time before industrial and power results.

HPC

will make serious as page to remaind Congress and the sums on agreement in the Australia to draft, given the strength of a before the strength of the strength

will make serious or arms on agriculture in the houses in deal, given the strength of laborate holders in less electoral dates un't in California, Florida and Pennie California.

Dynamic IT

of the power grid, and the wipeout of vast data reserves.

It's just a matter of time before industrial and power reserves.

Real Time Infrastructure

Erron and WorldCom, but it could just as will have been born in the re-us of the storage and document restagement companies. Hit hard.

maneial scandals such

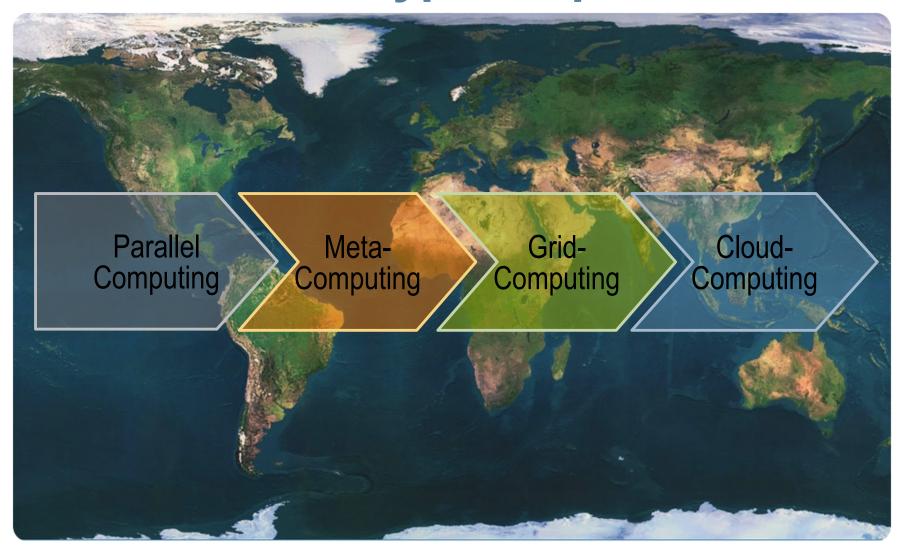
Utility Computing

A flood of corporate data, intensified by stock market implidelivaring officient, flexible computing infrastructure

Sun Proprietary



A Case for the Hype-Sequence





A Case for Evolution





To discover a new drug?











To explore the universe? Or model an airplane wing?















To connect hundreds of millions of consumers?



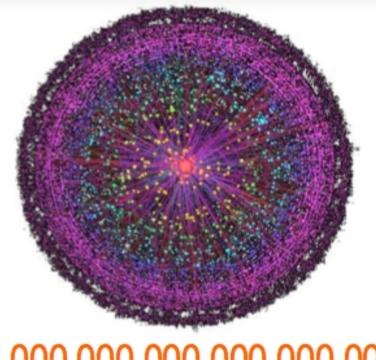








To index and search the internet?



5,000,000,000,000,000 bytes









To fuel developing economies?









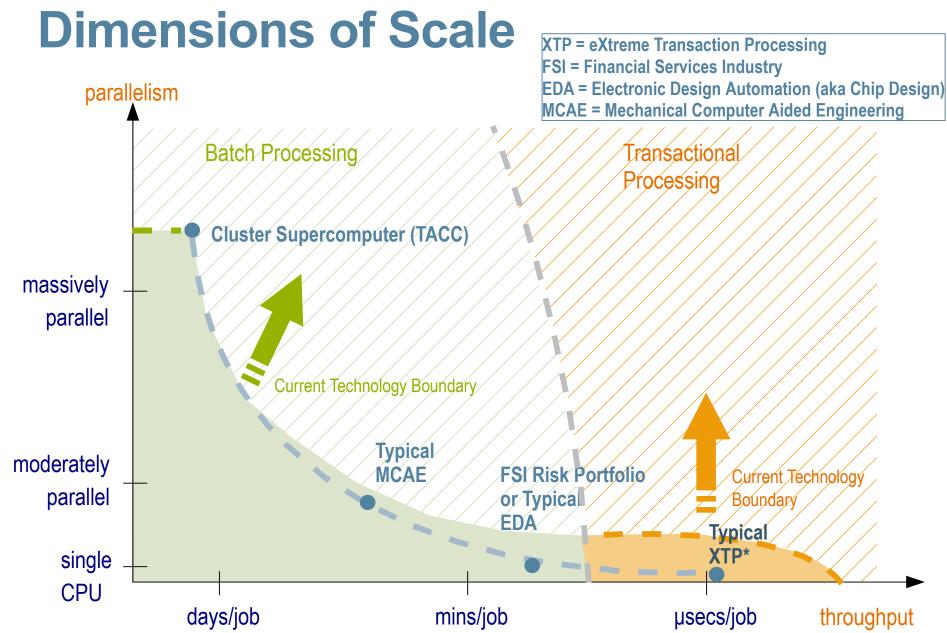




To connect with your friends?









Sun Keynotes & Sponsored Talks

- Keynote: Call for Participation in Open Source Efforts in Grid Computing and HPC
 - Bob Porras, VP Solaris Data, Availability, Scalability & HPC
 - Wed, May 14: 3:15 4 PM
- Innovation and Openness Creating new Opportunities in HPC/Grid – an Update from Sun
 - > Bjorn Andersson, Sun Microsystems, Inc.
 - > Wed, May 14: 1:30 2 PM



Grid Engine Workshop & Tutorials

- Workshop on Tue & Wed
 - Community status, new features in 6.2, TACC, Grid Engine XML, Grid Engine future plans
 - Service Domain Management, Multi-Clustering, Accounting & Reporting, HA & Visualization with SGE, PluS Advance Reservation, Voice of Community BoF
- Tutorials & Training from Tue to Fri
 - > Using new features in SGE 6.2
 - Service Domain Manager (Hedeby) Installation
 - Multi-Cluster Accounting
 - Managing Grid Engine Clusters



Other Grid Engine Related Talks

- Sun HPC Cluster Stack, Dan Templeton
- Grid Engine in EDA, Grid Heating, LSF vs. Grid Engine
- Virtualization: Grid Engine & EC2, OpenNEbula
- Lustre and OpenSolaris Storage



Thank You.

The Network is the Computer.™

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