Communication, Outreach and Training Panel

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OSG All Hands Consortium Meeting
Friday Center

Outline

Breakfast room

Breakfast room

Breakfast room

Another Hot Spot for Sharing

Another Hot Spot for Sharing

Another Hot Spot for Sharing

Another Hot Spot for Sharing

A place for studying, too ;-)

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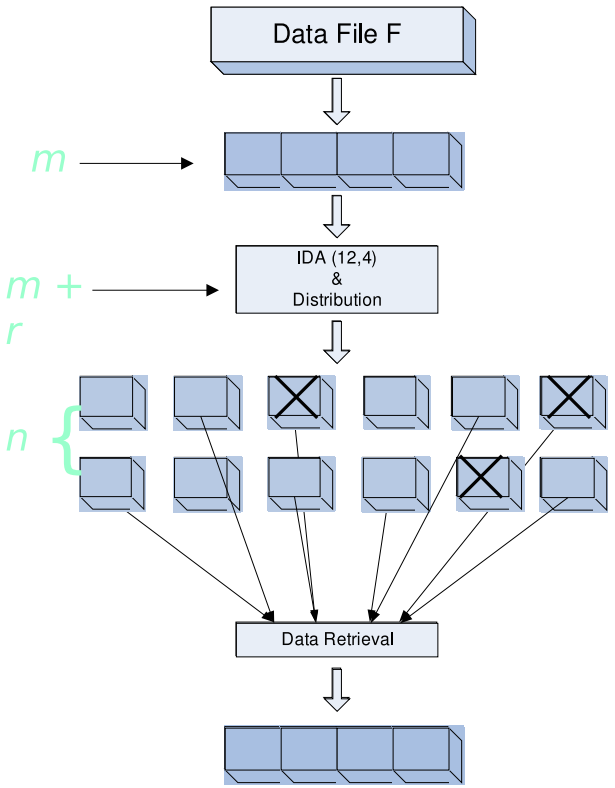
Implementation of IDA as a Grid Service



Implementation of IDA as a Grid Service

- GridFTP, MDS, WS-GRAM (*fork*).
- Deploying services in C and Java with GT (*MAGE plug-in*).
- A virtual grid infrastructure using XEN and provisioning tools.

Arias, D.; Sanabria, J.; Rivera, W., "Grid Based Pervasive Distributed Storage " ISWPC '07.

Pros and Cons

Pros

- Interaction with the knowledgeable professionals.
- The GT tutorials in practice.
- A space to meet people with professional affinity.

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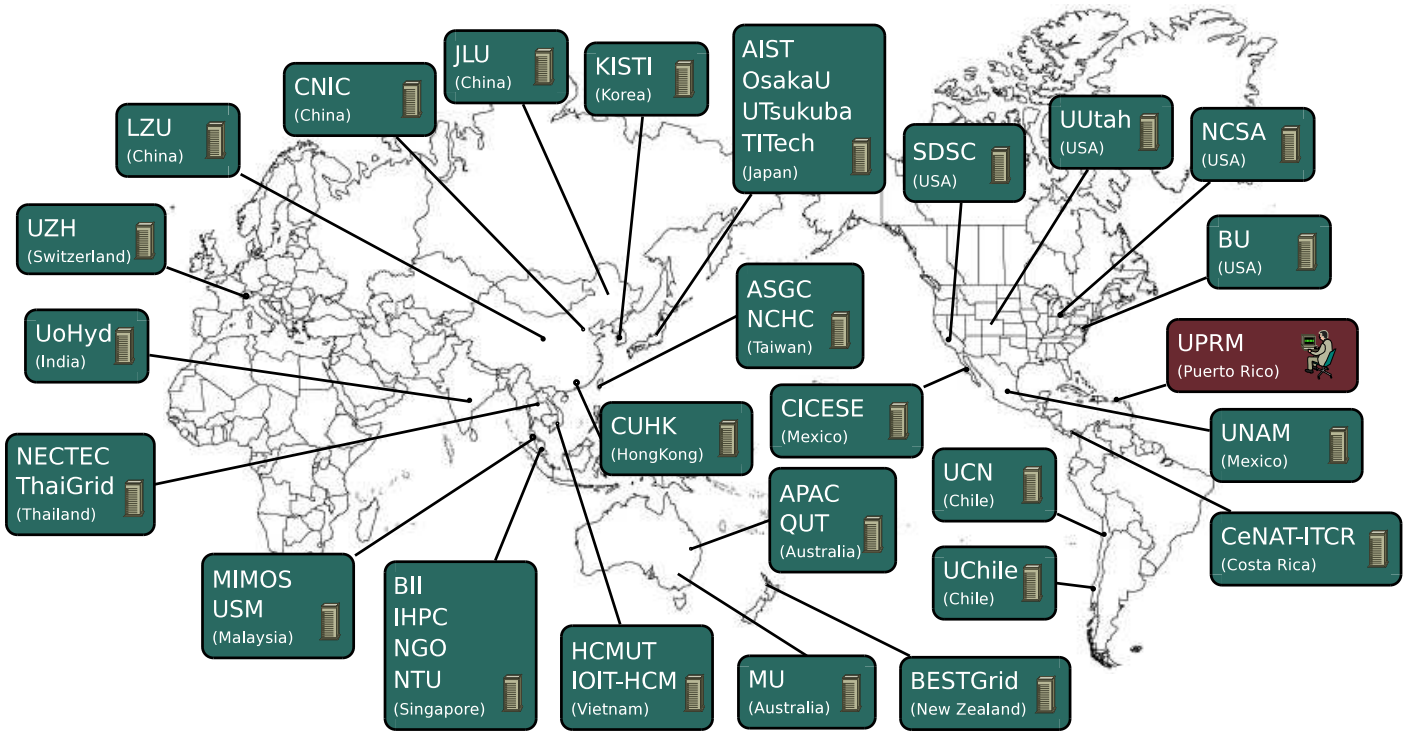
Cons

- There are holes.
- Documents for new users.
- Look for novel ways to transmit information.

PACIFIC RIM APPLICATIONS AND GRID MIDDLEWARE ASSEMBLY



PRAGMA has 32 computational centers around the world

UPRM on PRAGMA

- The Volatile Cluster
- The Komolongma Cluster

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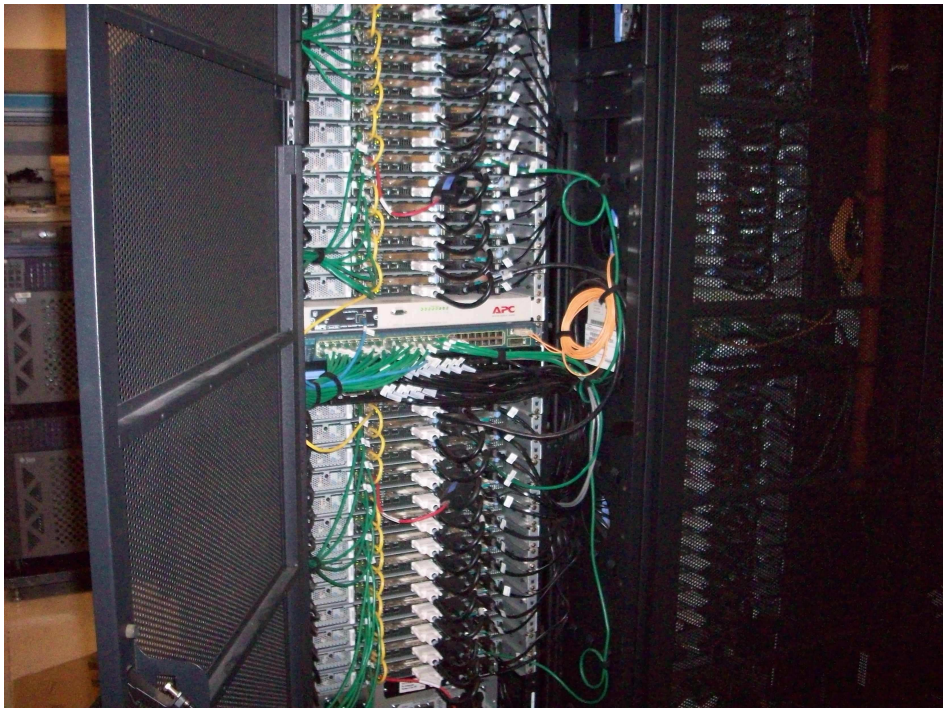
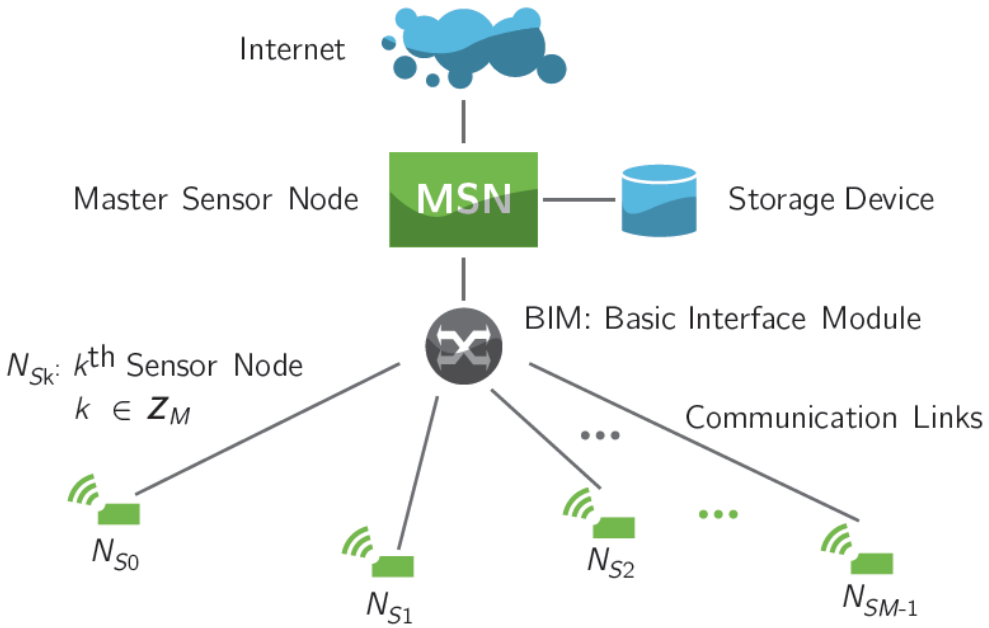
UPRM on PRAGMA



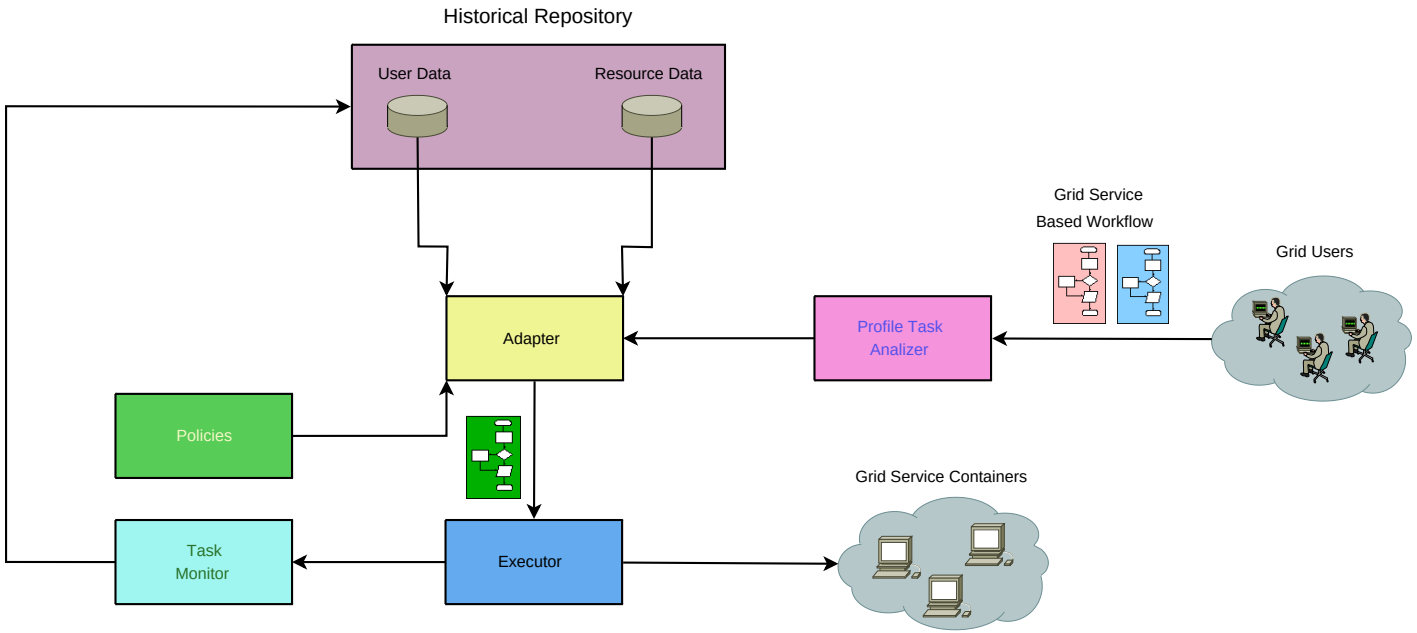
- The Volatile Cluster
- The Komolongma Cluster

Sensor Network Grid



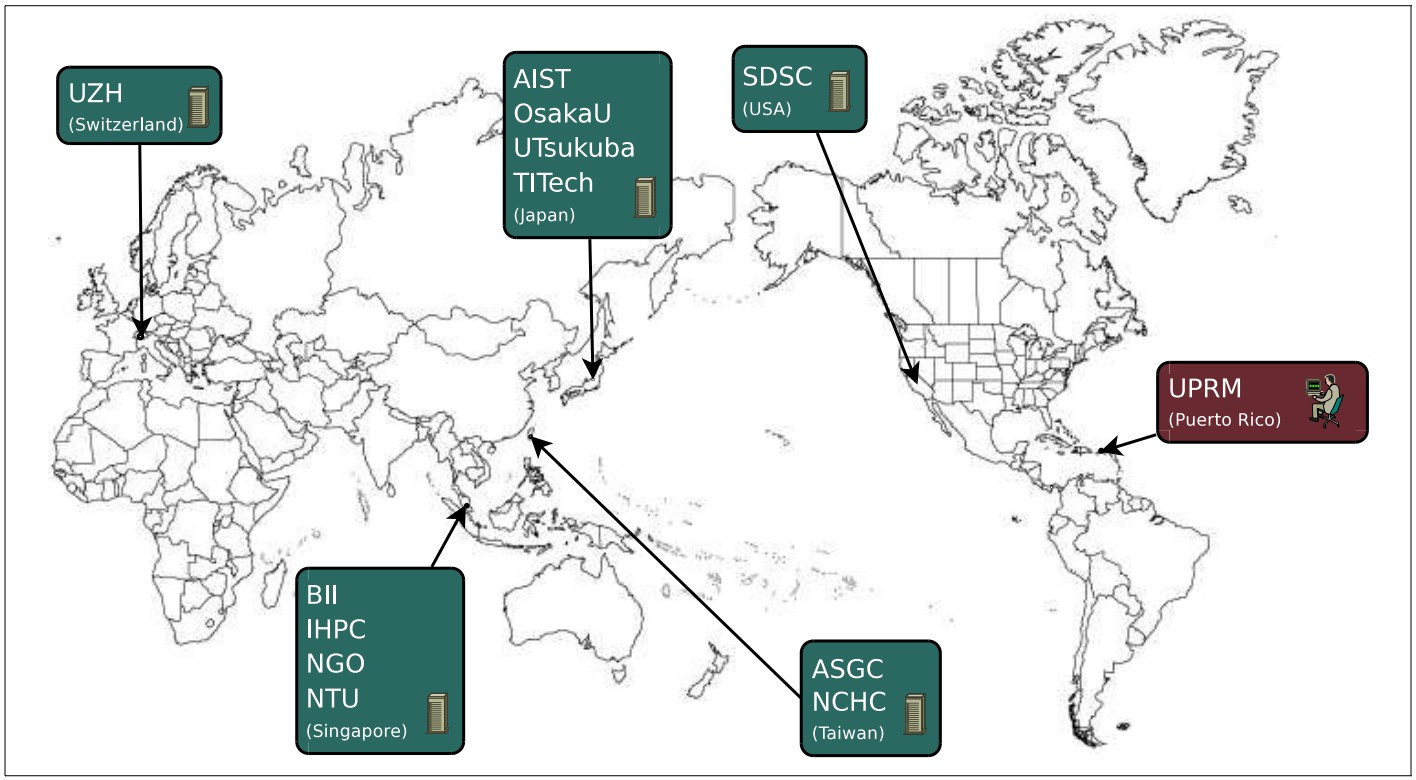
A leaf of our conceptual Grid.

An Adaptive Framework for Provisioning Resources



Our framework considers uncertainty conditions.

PRAGMA, Our Environment For Processing



We mainly work with GridRPC

Pros and Cons

Pros

- Inquiries are resolved quickly most of the time
- Most of the members *understand* English
- Infrastructure deployed around the world
- Simple but efficient programming tools

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Cons

- Documentation
- Deploy a PRAGMA node is a long task

...Comments

- New mechanisms for transmitting knowledge
- Well documented cases
- Integrate grid tools to succesful cluster distributions