

GlobalGridForum

Leading the pervasive adoption of grid computing
for research and industry

Enterprise Grids Requirements Research Group

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Session Name, EGR-RG

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Session Agenda

- Summary of GGF14 and what we've done so far.
- Introduction of Usecase Repository
 - Andre Merzky
- Discussion :
 - How to use the UseCase Repository
- Future Plans

Summary of GGF14

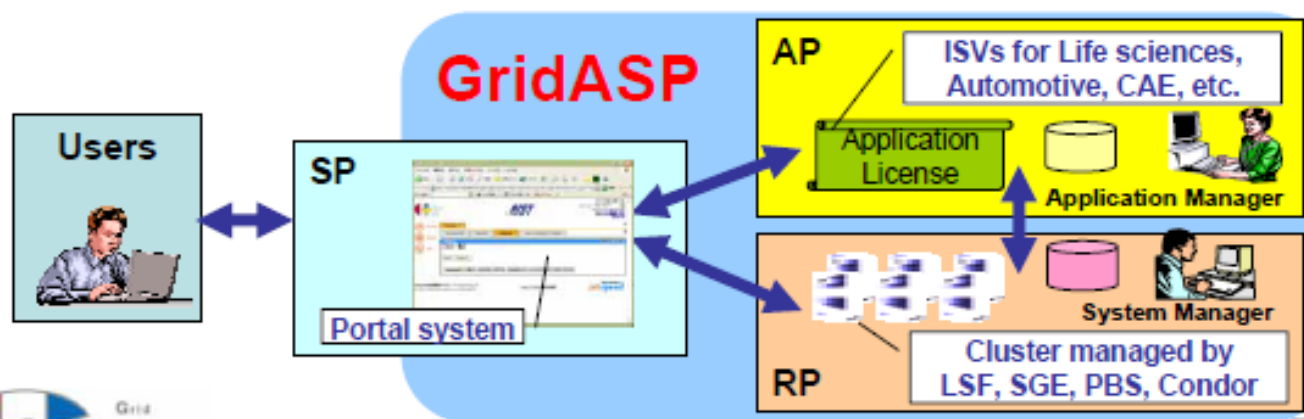
- Explanation of use case document
- Examples of Use Cases
 - GridASP
 - Multiple In-house System
 - Wide Area Load Balancing System
 - Disaster Recovery System
 - NextGrid

GridASP Authors Satoshi Itoh (AIST)(Japan)

1.2 Abstract/Summary



- The GridASP is a utility computing framework for technical computing in the enterprise.
- The concept of the GridASP is to separate the function of ASP (Application Service Provider) into three independent providers.
 - ▶ resource provider (RP)
 - ▶ The Application provider (AP)
 - ▶ The service provider (SP)

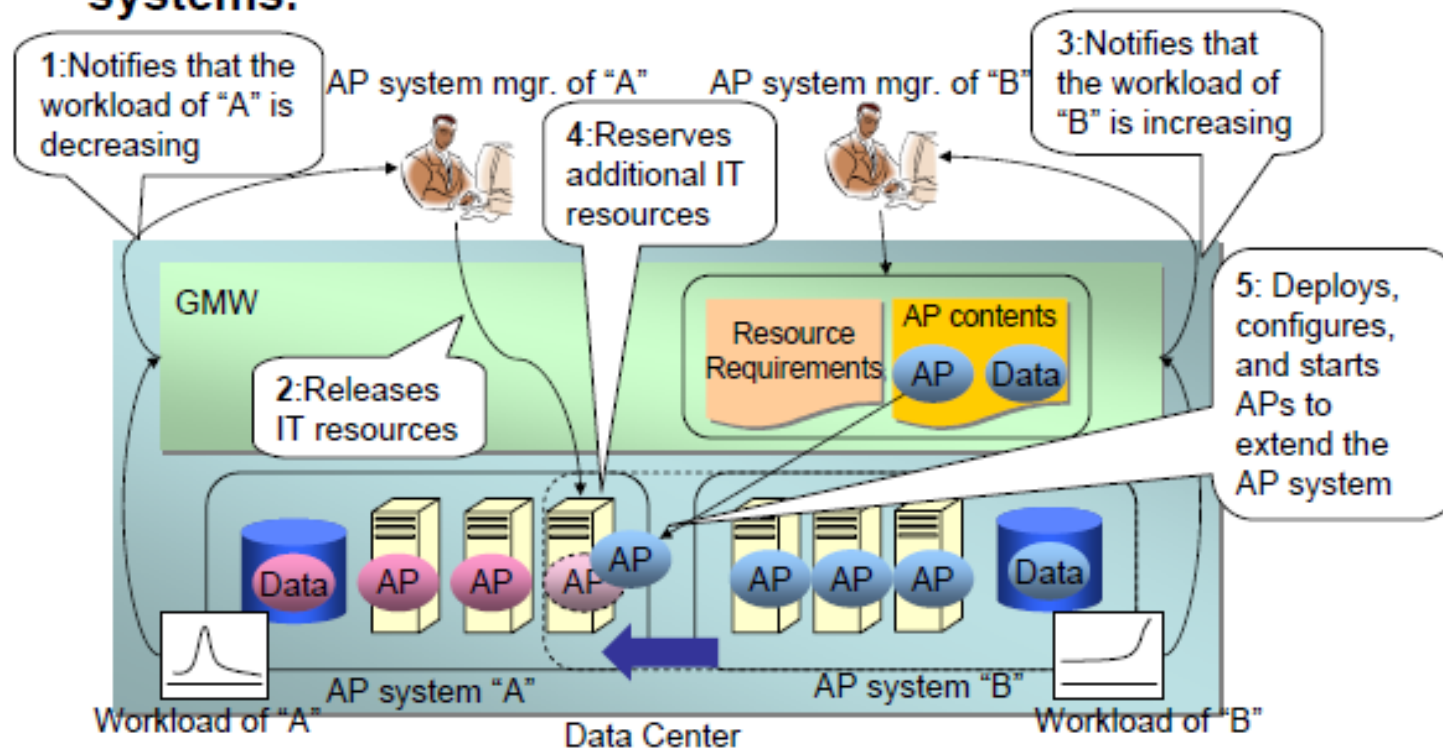


Multiple In-house System (Miyakawa et. Al)

BUSINESS GRID COMPUTING PROJECT

Scenario 1-2: Sharing IT resources

Allocating IT resources reduced from other application systems.

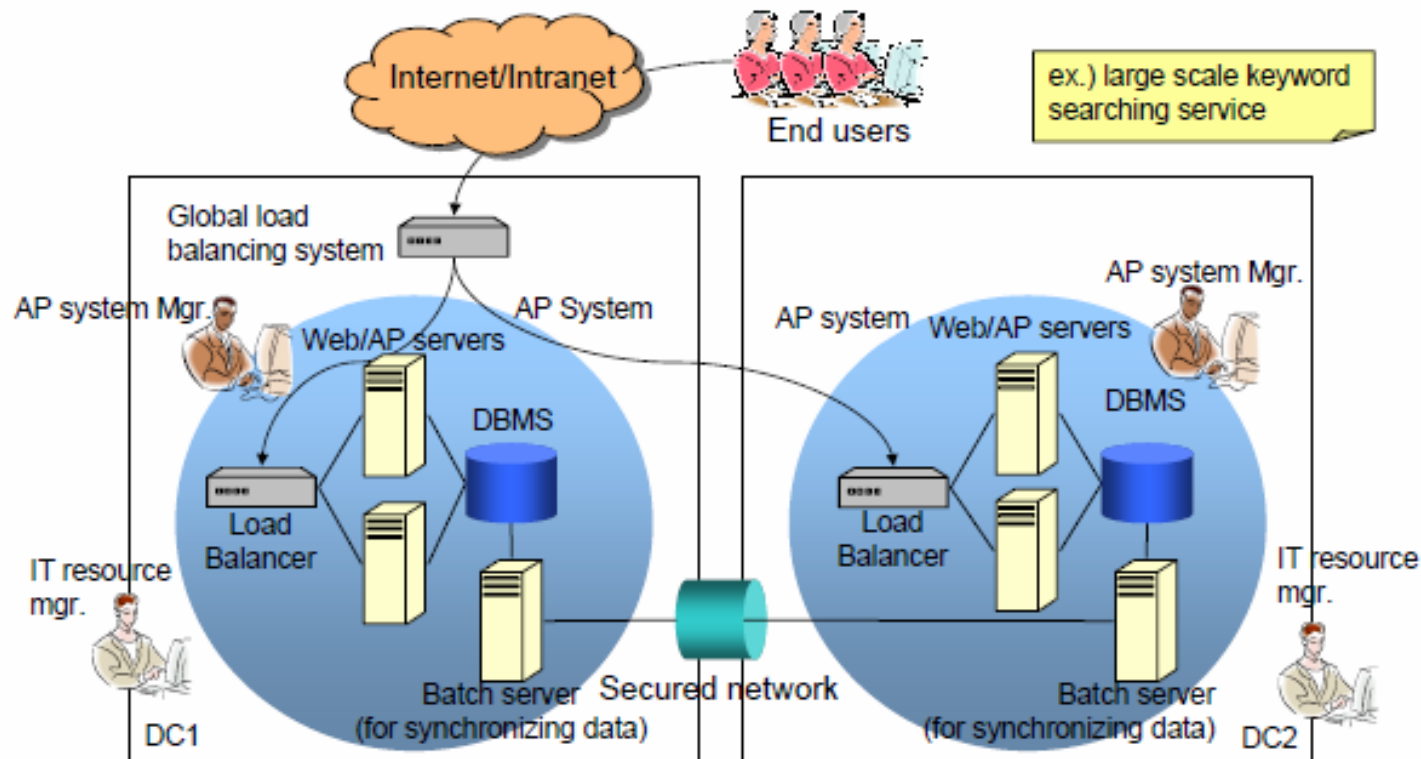


Wide Area Load Balancing System (Miyakawa et al)



BUSINESS GRID COMPUTING PROJECT

What is a wide area load balancing system?
A large scale web site service among several DCs

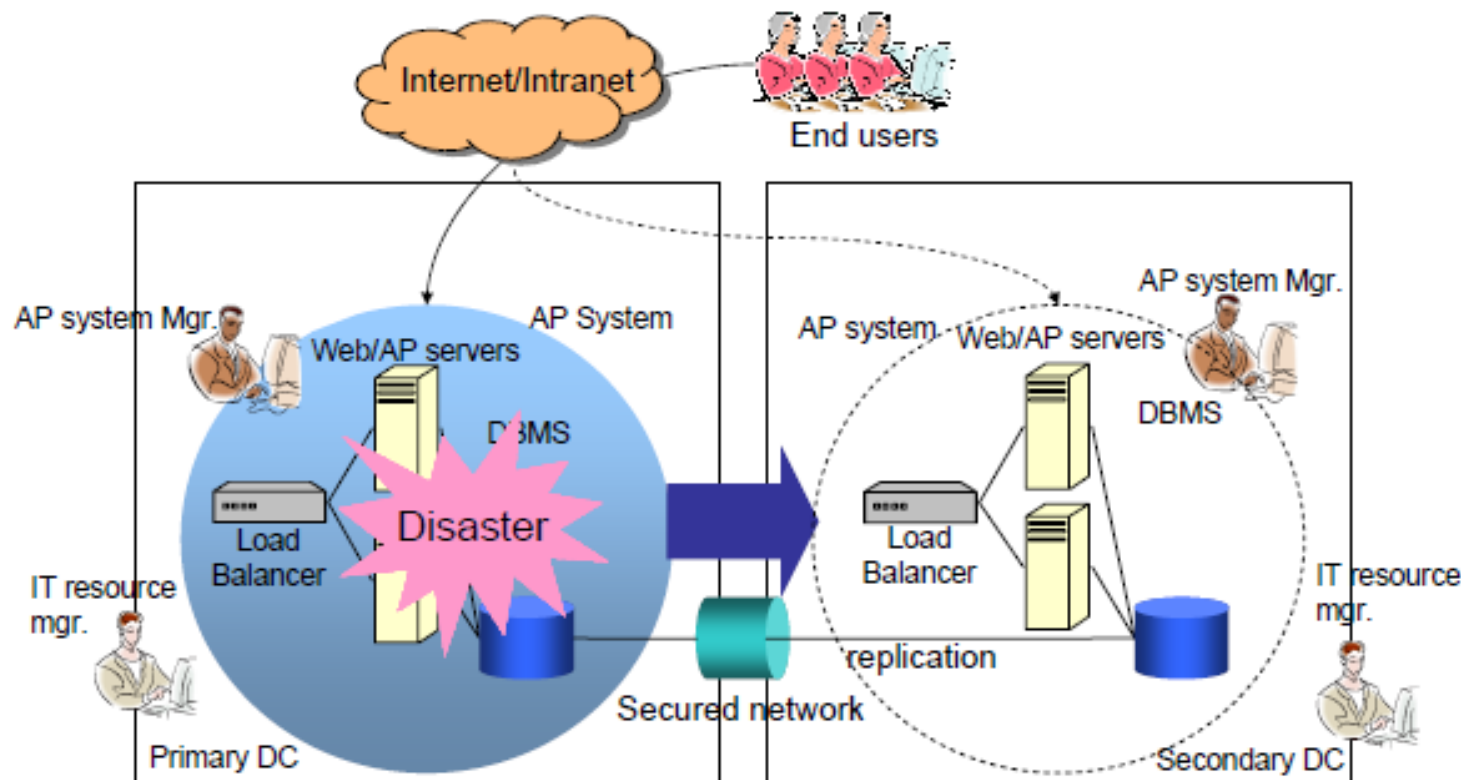


Disaster Recovery System (Miyakawa-et al)

BUSINESS GRID COMPUTING PROJECT

Disaster Recovery System

Web three-tier applications are recovered in another DC.

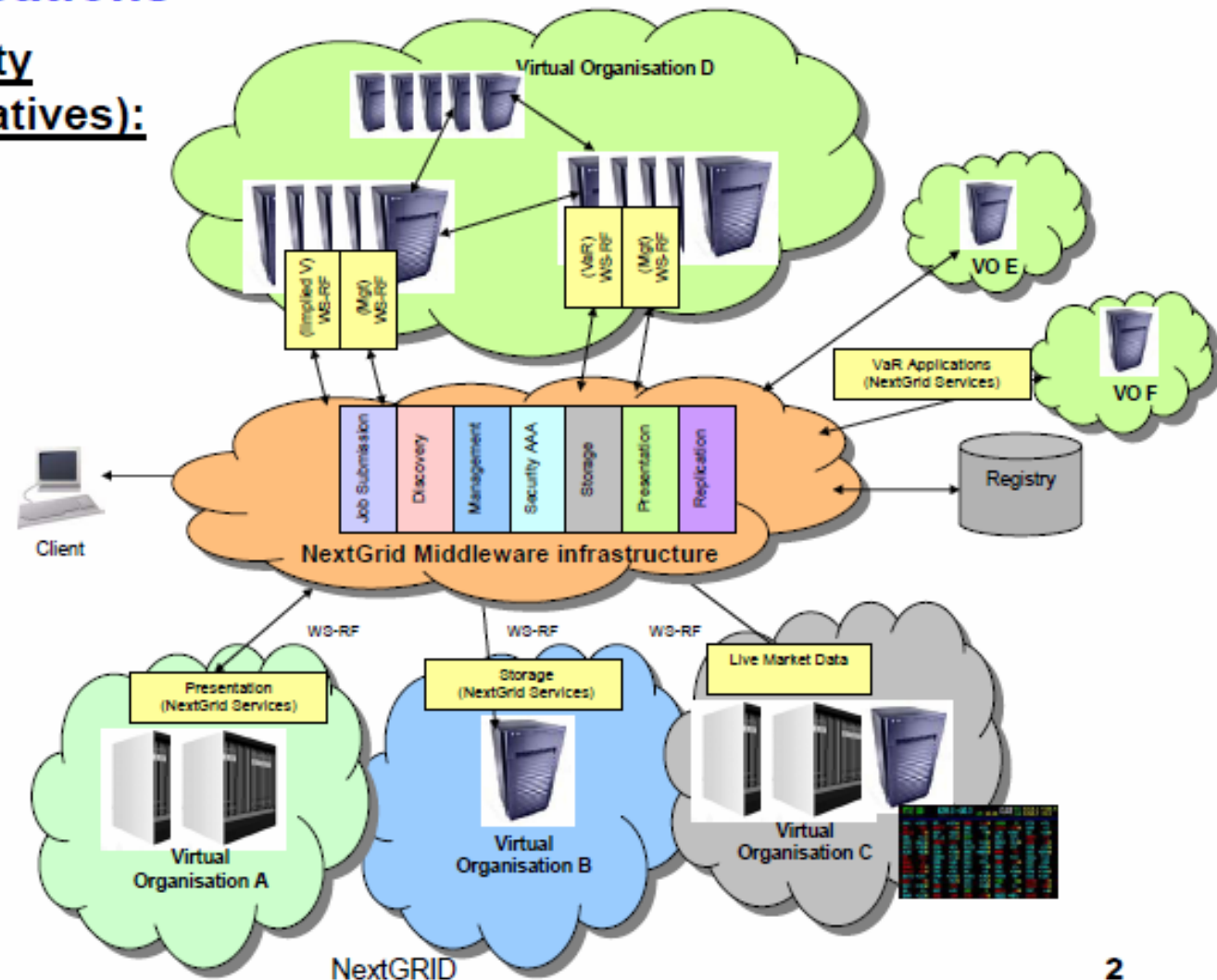


NextGrid (G. Lonsdale)

Financial Applications

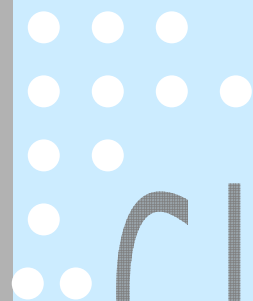
a) Implied Volatility (QUB, First Derivatives):

Implementation
uses the data base
language kdb+ and
the OpenRiskGrid
environment based
on the Globus
Toolkit (version 3)



And then....

- Asked for more Use Cases but did not receive any.
 - We need more critical mass.
 - One candidate is the Use Case Repository by Andre.
 - Another is, asking people in the Gridworld demo booth to try to provide us with some usecases..



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Andre's Demo of the Use Case Repository

Things to discuss (1)

- Rules for uploading to the Use Case Repository?
 - Making it too strict would dissuade the potential submitters.
 - On the other hand we would need some consistency brought by the template.
 - Who is going to upload? Individual submitters? Or just the co-chairs + secretary?
 - Any rules in for SAGA? > Andre?
 - Any rules for the Community Service? > Craig?
- GGF Copyright: should it be included in all the use cases or would a Copyright placed in the page be sufficient? => Matter for tomorrow's discussion?

Things to discuss (2)

- Possibility of exploiting other WG/RG's Use Cases ?