Information and Monitoring Services

Current Status

The European DataGrid Project Team

http://www.eu-datagrid.org

Overview

- Current Status of MDS

- The MDS Upgrade

- R-GMA Deployment

Current Status of MDS

- Using version MDS 2.0

- Major bugs

- Currently using a fix
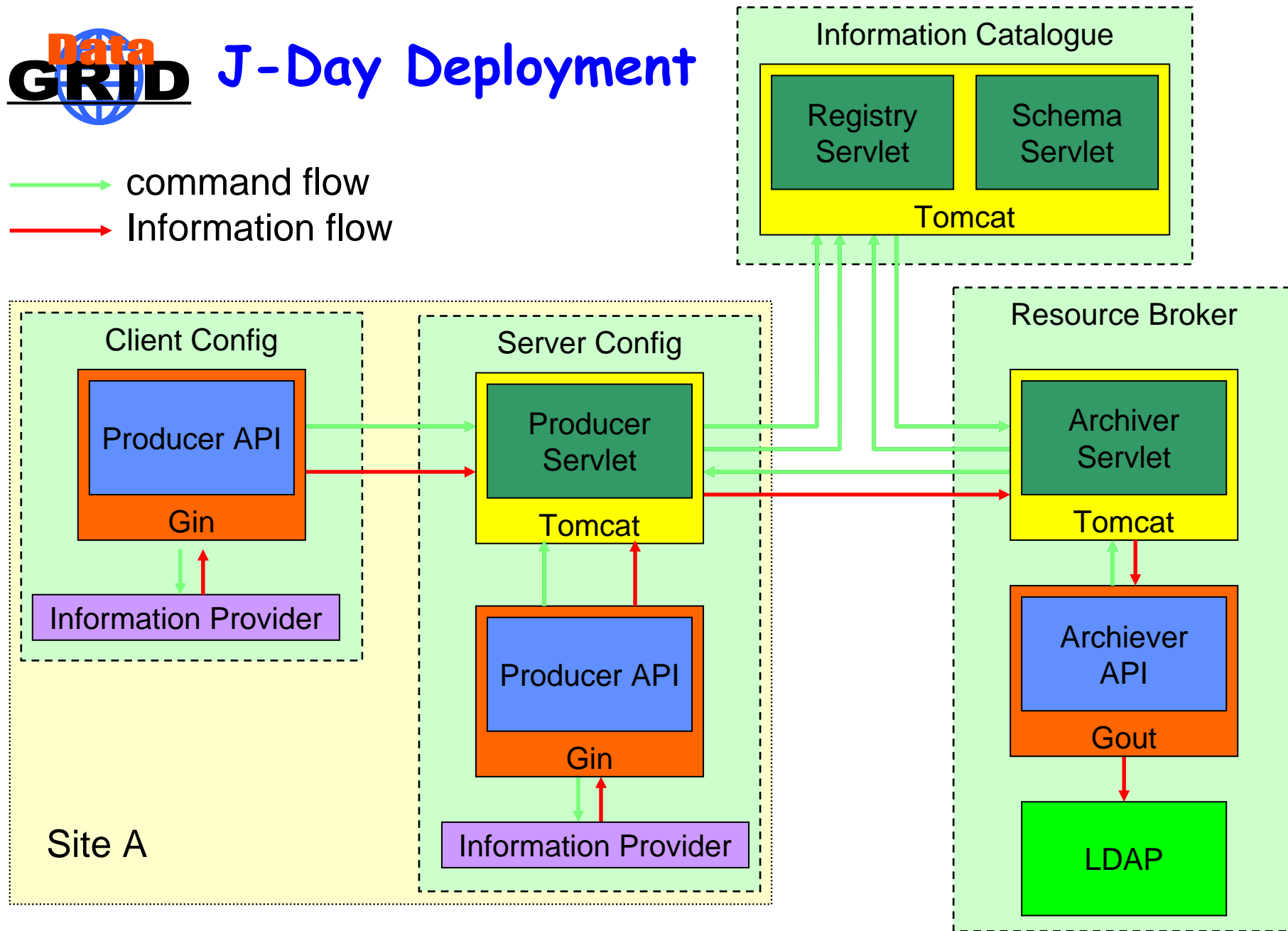
- Works but not satisfactory

- Need to upgrade to MDS 2.2

MDS 2.2

◆ Has been installed and tested at RAL

◆ Seems to work but needs full scale system test

◆ The configuration is being refined

◆ Still has a few known bugs

J-Day Deployment

command flow
Information flow

Information Catalogue

Registry Servlet

Schema Servlet

Tomcat

Client Config

Producer API

Gin

Information Provider

Server Config

Producer Servlet

Tomcat

Producer API

Gin

Information Provider

Resource Broker

Archiver Servlet

Tomcat

Archiever API

Gout

LDAP

Site A

R-GMA RPMS

- ## Server rpms
  - Edg-rgma-server
  - Edg-rgma-api-java

- ## Client rpms
  - Edg-rgma-api- (java, cpp, c, python, perl)

- ## Gin rpms
  - Edg-rgma-api-perl
  - Edg-rgma-tools

- ## Gout rpms
  - Edg-rgma-api-java
  - Edg-rgma-tools
  - Edg-rgma-server (optional)

External Runtime Dependencies

- Dependencies for the servlets
  - jdk
  - log4j
  - mm.mysql
  - MySQL
  - Tomcat
  - Xerces-J

- Dependencies for the Java API
  - Jdk
  - log4j
  - Xerces-J

- Dependencies for the C API
  - expat
  - w3c-libwww

- Dependencies for the C++ API
  - log4cpp
  - w3c-libwww
  - Xerces-C

- Dependencies for the Perl API
  - expat
  - w3c-libwww
  - Swig1.3.11
  - Perl

- Dependencies for the Python API
  - expat
  - w3c-libwww
  - swig1.3.11
  - Python

Summary

◆ **R-GMA J-Day deployment is not efficient**

- Will really stress test R-GMA
- Using R-GMA API directly will greatly improve performance

◆ **Additional Functionality**

- Pulse can be used to browse schema
- Service monitor
- Currently working on Web Applet
- All servlets have a get status method

◆ **Need to deploy R-GMA**

- R-GMA is ready
- Needs a full scale system test
- Needs feed back from users
- Compare with MDS