



Open Grid Forum Europe

Managing Computational Activities on the Grid - from Specifications to Implementation

Exercises – GLUE

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Outline

- Scenario 1
 - Simple Computing Service
 - The ARC Cluster used for the demo
- Scenario 2
 - Complex Computing Service

Scenario 1: Simple Computing Service

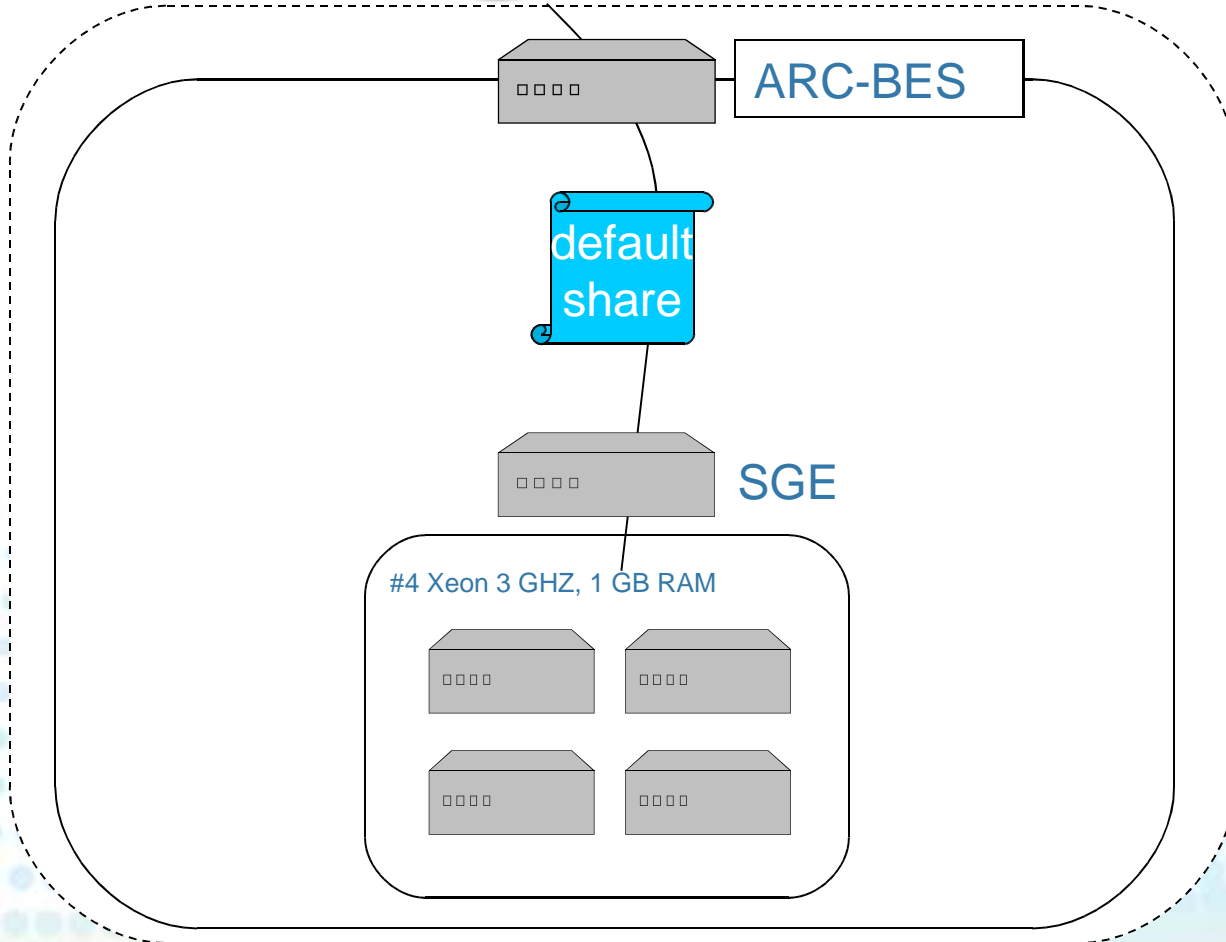
- Computing Endpoint
 - 1 CREAM-BES and 1 CREAM
- Computing Manager
 - 1 SGE managing 4 execution environment instances
 - Identical execution environments based on virtual machines
- Computing Share
 - One share configured to which any user with a certificated issued by a trustedCA is authorized

Simple Computing Service

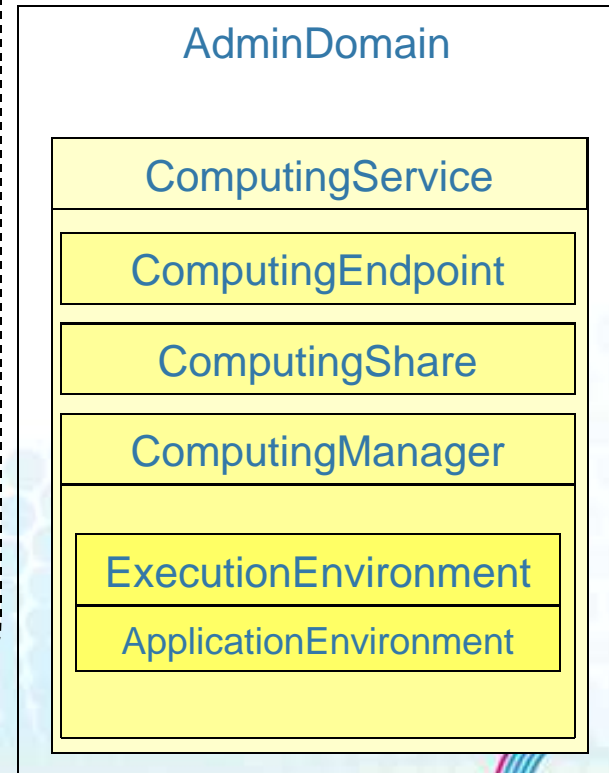


Individuals with trusted certificate

GLUE 2.0 concepts



UserDomain



05/06/08

AdminDomain

Scenario 2: Complex Computing Service

- Computing Endpoint
 - 2 endpoints:
 - gLite CREAM and gLite CREAM-BES
- Computing Manager
 - 1 OpenPBS managing 100 execution environments
 - 2 types of Execution environments
- Computing Share
 - Two computing shares accessible by both computing endpoints
 - BLUE share dedicated to BLUE VO
 - GREEN share dedicated to the GREEN VO

Complex Computing Service

BLUE VO

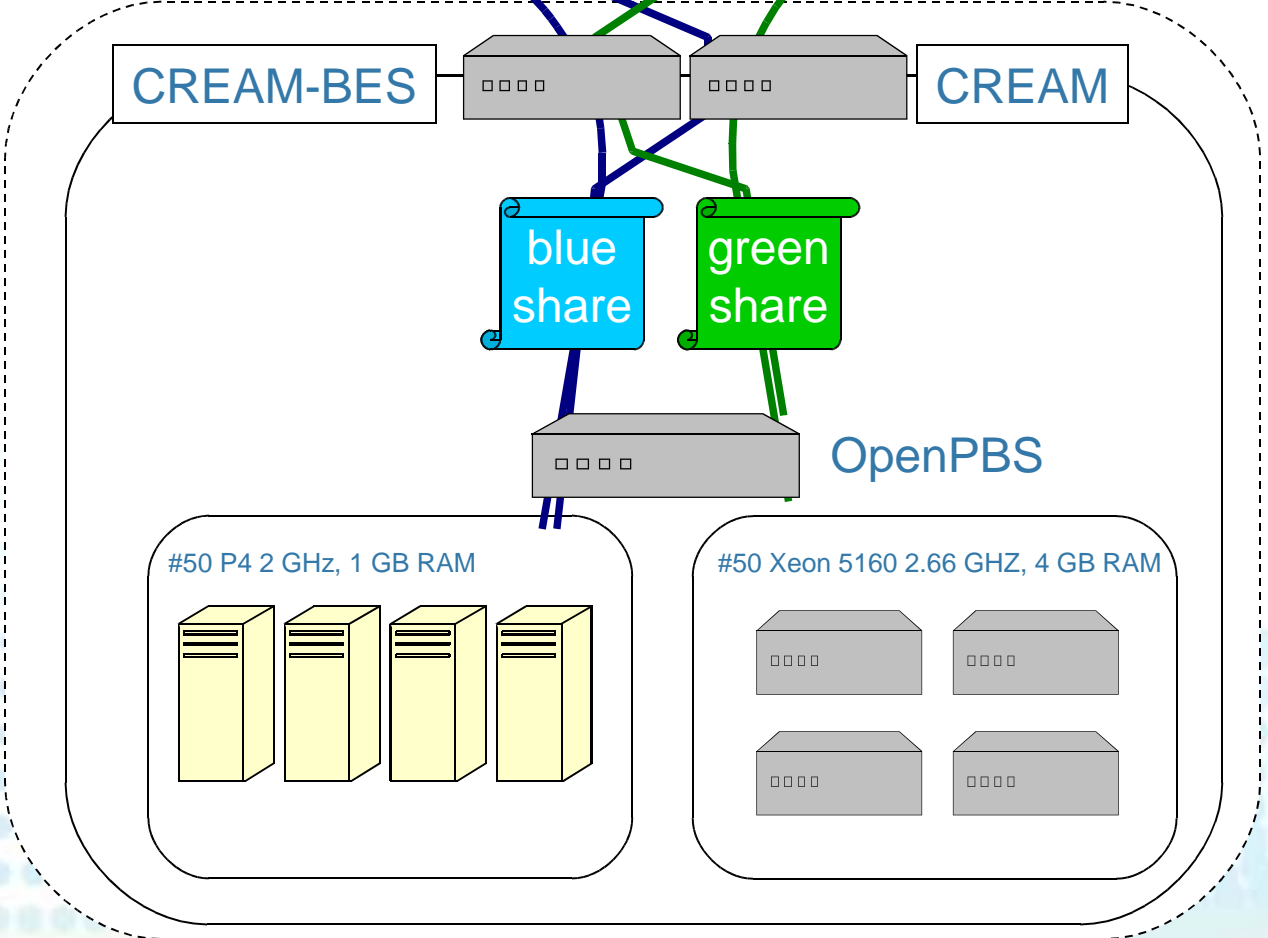
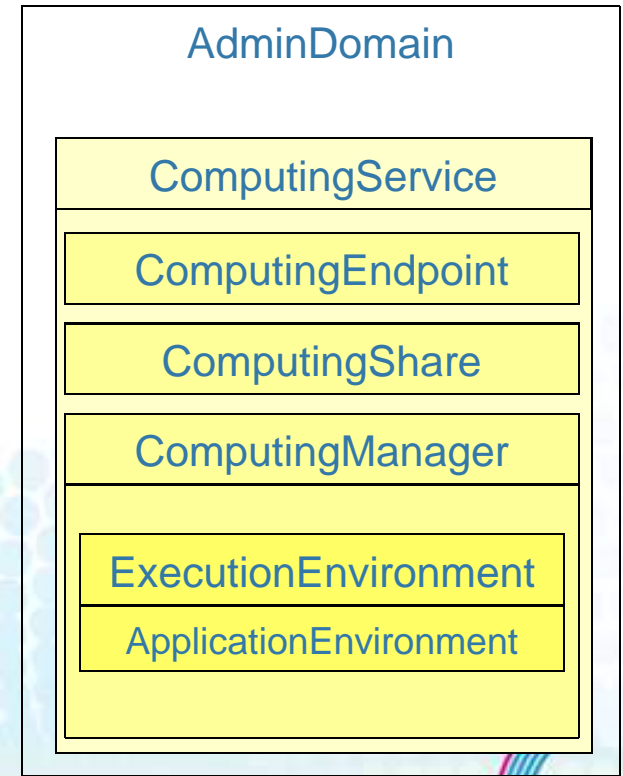


GREEN VO



GLUE 2.0
concepts

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