



Contribution ID: 52

Type: **Demonstration**

Clouds in grids using CLEVER

During the last few years, interest has gradually shifted from Grid to Cloud Computing.

Grid computing is better suited for organizations with large amounts of data being analysed by a small number of users, or few but large allocation requests, whereas Cloud computing is better suited to environments where there is a large number of users requesting small amounts of data, or many but small allocation requests.

Although, Grid technology continues to dominate public sector and scientific computing environments due to the collaborative nature of such communities and the need to manage resources organizational boundaries, new interests have raised in deploying cloud technology on grid-enabled resources.

The aim of the demo is to present an integration example of both technologies where Grid resources are used to easily deploy on demand Clouds using the CLOUD-Enabled Virtual EnviRonment (CLEVER) cloud middleware which simplifies the access management of private/hybrid clouds and provides simple and easily accessible interfaces to interact with different interconnected clouds, deploy Virtual Machines and perform load balancing through migration.

Designing a solution for on demand private clouds rather than deploying individual products to address each user challenge leverages grid computing in ways that extend control and flexibility, enabling the infrastructure required to fully take advantage of a dynamic computing resource model.

Required Facilities

A projector with a screen

An internet connection

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