EGI AppDB VMOps dashboard

Introduction

Provides a set of graphical interfaces to high-level services, in order to deploy and manage Virtual Machines and Virtualized Appliances on the EGI Federated Cloud.

As a sub-service of the AppDB system, it enables centralized cloud resource discovery and operations via data from integration with several other services:

- EGI AAI Check-In
- EGI Operations portal
- EGI Configuration Database (GOCDB)
- Argo monitoring system
- Argo messaging service (AMS)
- Cloud-info-provider
- Infrastructure Manager (IM)
- and more...
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Introduction

- Easy VM deployment with a wizard-like interface, helping users select from the available resources, configure, and deploy a VM in a few clicks
- Manage and monitor the deployed VMs in a single page
- Perform ad-hoc operations on deployed VMs
- Enables users to contact cloud provider administrators for troubleshooting
- Informs users about cloud provider availability to prevent invalid actions
Backend changes:

- Migration from BDII to cloud-info-provider/Argo Messaging Service(AMS) as the infrastructure information source
- Migration from GLUE2.0 to GLUE2.1 schema
- Migration to cloud native APIs(OpenStack) from exclusively using OCCI APIs.
- Migrate to OpenID Connect (OIDC) from proxy certificates(x509) authentication
Users must provide their consent to create and use an access token when trying to perform VM actions.
Things to keep in mind:

• Continue supporting VMs deployed with x509
• Supported VO list is revised
• First release using the new information system

Future plans:

• More ad-hoc functionality (eg adding/removing VMs to existing topologies)
• Make further use of new information system, such as cloud providers network resources, SLAs etc

You can access EGI VMOps Dashboard at https://dashboard.appdb.egi.eu/vmops
Thank you for your attention.

Questions?