What is the IM?

It is a general platform to deploy on-demand customized virtual computing infrastructures.

- **DevOps** capabilities: with the precise software configuration required (based on Ansible).
- Share Infrastructure descriptions.
- No need of pre-baked VMIs.
- The same complex infrastructure can be deployed both on on-premises and on public Clouds.
- Offers several **interfaces**: XML-RPC and REST APIs, CLI and Web-based GUI.

Working scheme

1. The user provides an RADL or TOSCA document as input to the IM, describing the infrastructure and specifying the image to use.
2. The IM obtains the list of IaaS providers available to the user, from its credentials.
3. It contacts the IaaS provider selected and deploys the infrastructure.
4. Once the front VM is ready, the IM starts the contextualization process.

The IM in the EGI VMOps Dashboard

The EGI Application Database (AppDB) recently includes a GUI for users to perform basic VM management operations.

- The IM works as the OCCI communication layer to create VM topologies.
- Compatible with TOSCA templates.
- In charge of deploying and configuring the resources needed by the users.