

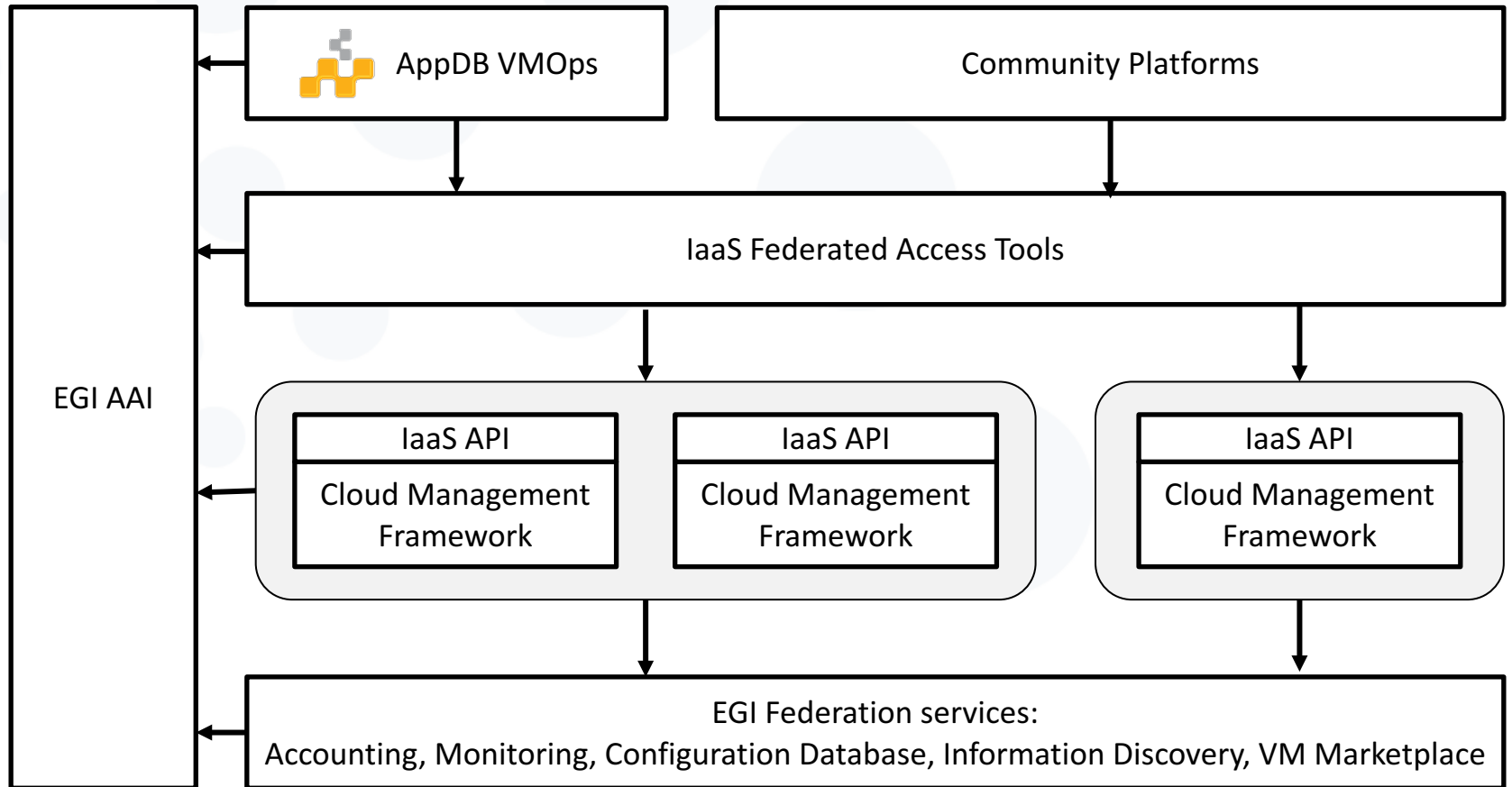
IaaS Federated Access Tools on EGI Federated Cloud

Enol Fernández

Cloud Technologist @ EGI Foundation



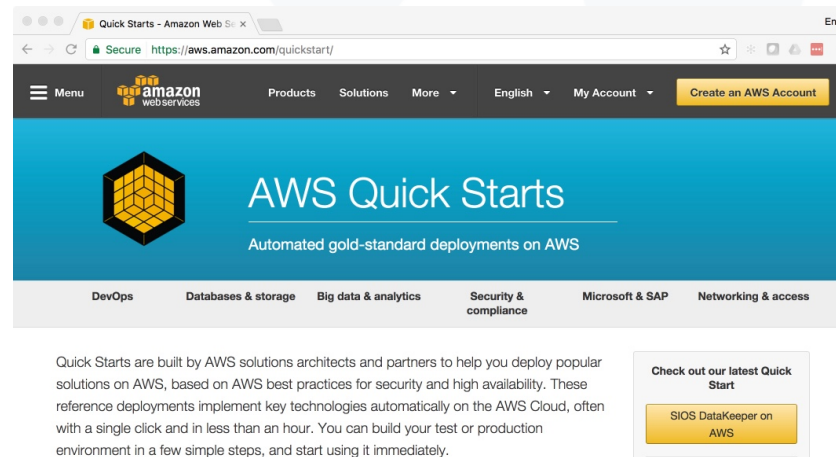
Architecture: IaaS Federation



- Provide access to the heterogeneous IaaS frameworks:
 - IaaS provisioning systems that allow to define infrastructure as code and manage and combine resources from different providers, thus enabling the portability of application deployments between them
 - *Smart* brokers providing matchmaking for workloads to available providers
 - Cloud Management Software that provides a unified console for accessing resources and deploy workloads following a set of user-defined established policies (e.g. Scalr or RightScale)

| Tool | Supported EGI Cloud Interfaces | Infrastructure description | Deployment | Web GUI | CLI |
|------------|--------------------------------|------------------------------------|------------------|---------|---|
| IM | OCCI, OpenStack | RADL/TOSCA | Server | Yes | Yes |
| Terraform | OCCI, OpenStack | Terraform configurations | Client-side tool | No | Yes |
| OCCOPUS | OCCI, OpenStack | Occopus infrastructure description | Client or server | No | Yes |
| SlipStream | OCCI* | SlipStream Applications | Server | Yes | Yes (application specification is performed on the web GUI) |

- Clearly document how to use these tools on the infrastructure
 - https://wiki.egi.eu/wiki/Federated_Cloud_IaaS_Orchestration
- Decide how to support them:
 - Should EGI operate some?
- Provide well-documented and **secure** templates



Thank you for your attention.

Questions?



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