

Authors

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1. Context

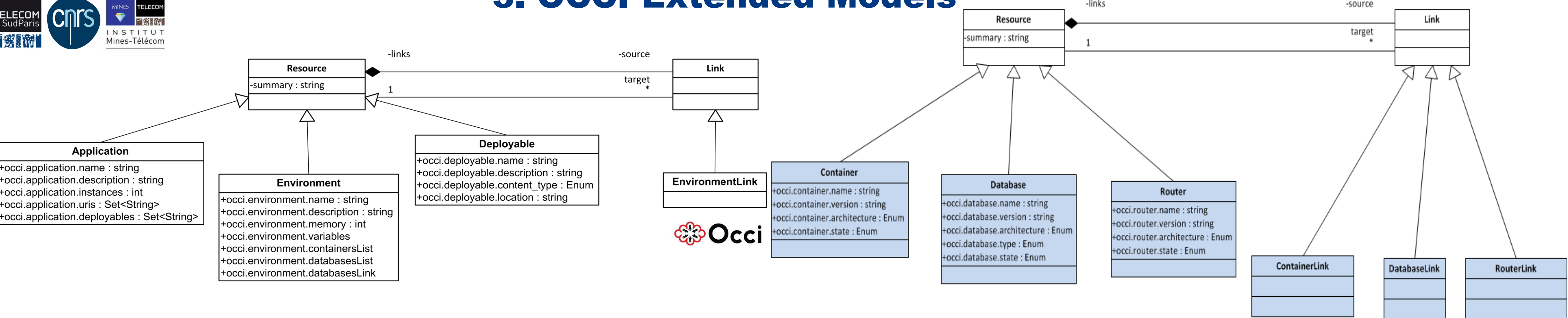
Existing PaaS operating provide proprietary APIs

- Different provisioning operations and required inputs
- Heterogeneous provisioning plans

2. Objectives

- Define a model for a standard description of Cloud resources (Platforms and Applications),
- Develop mechanisms for a generic provisioning of Cloud resources

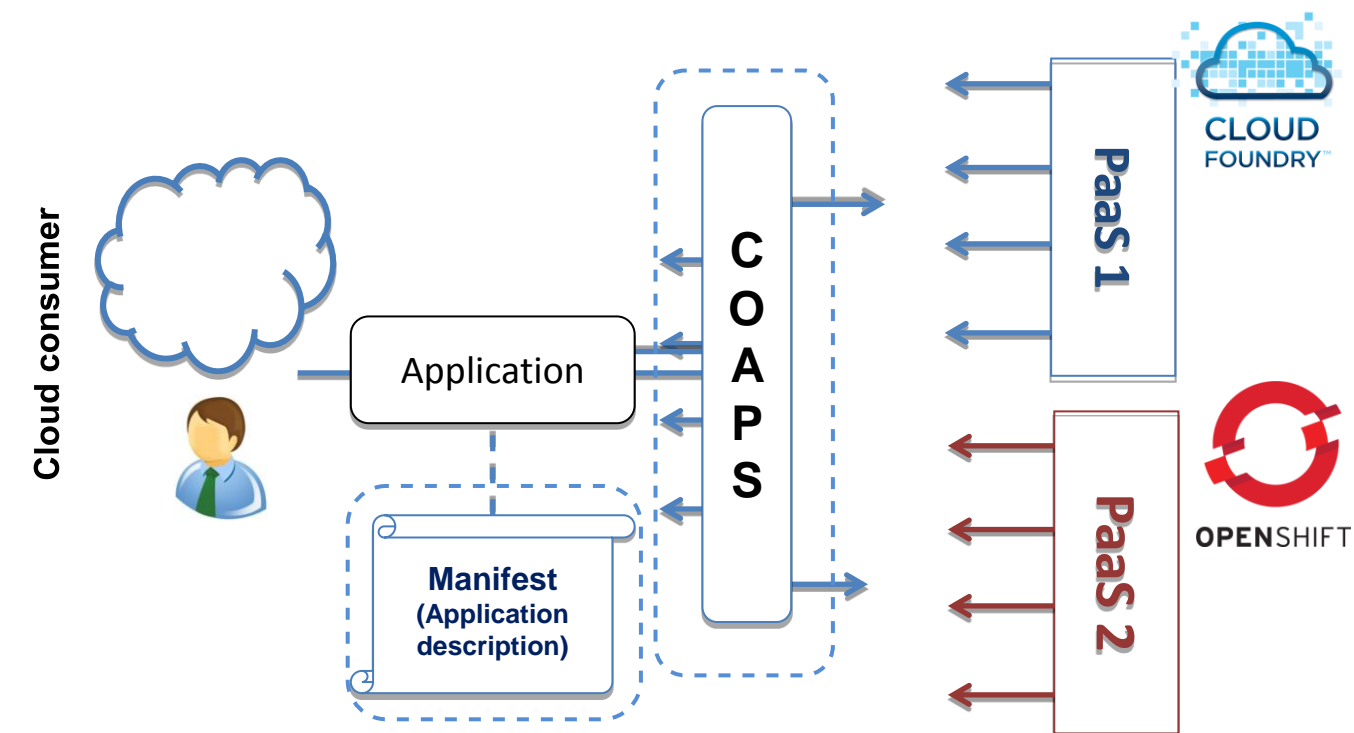
3. OCCI Extended Models



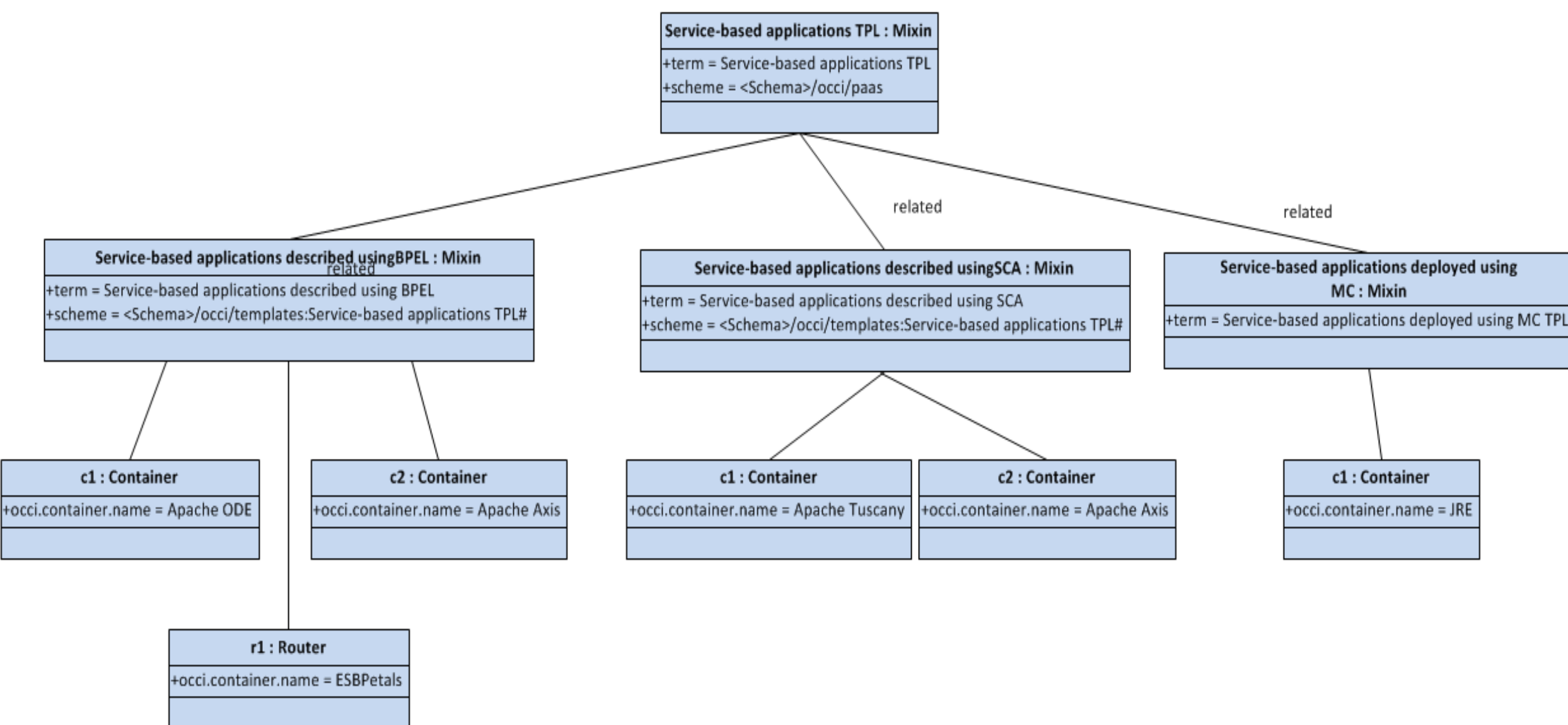
4. COAPS: OCCI-compliant API

- OCCI Platform and Application specifications extending OCCI core specifications to describe and manage Application and Platform resources,
- OCCI REST interfaces implementing these new specifications,
- HTTP REST operations extending OCCI HTTP rendering for provisioning Applications, Environments, etc.

5. COAPS API Overview

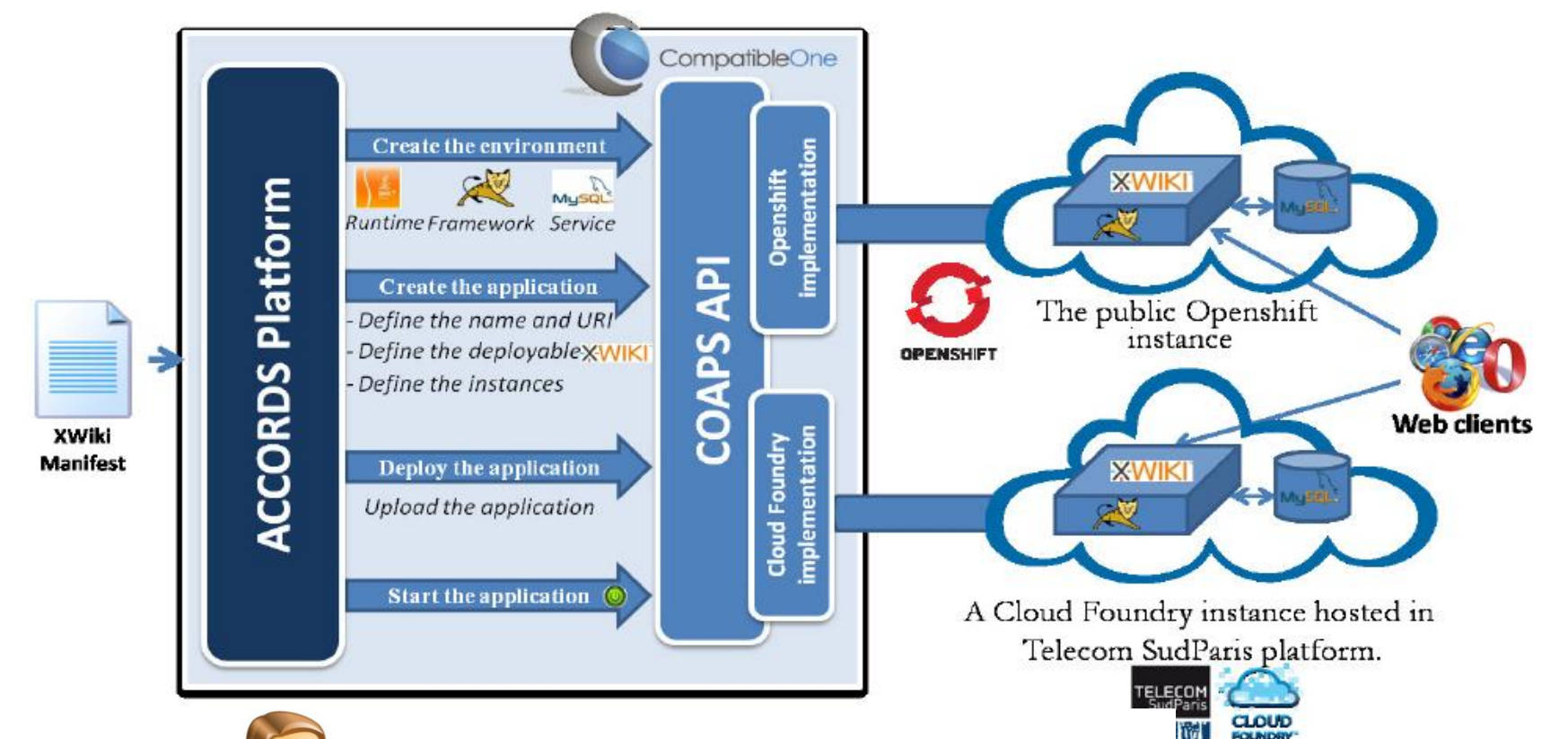


6. Service-based Application Template

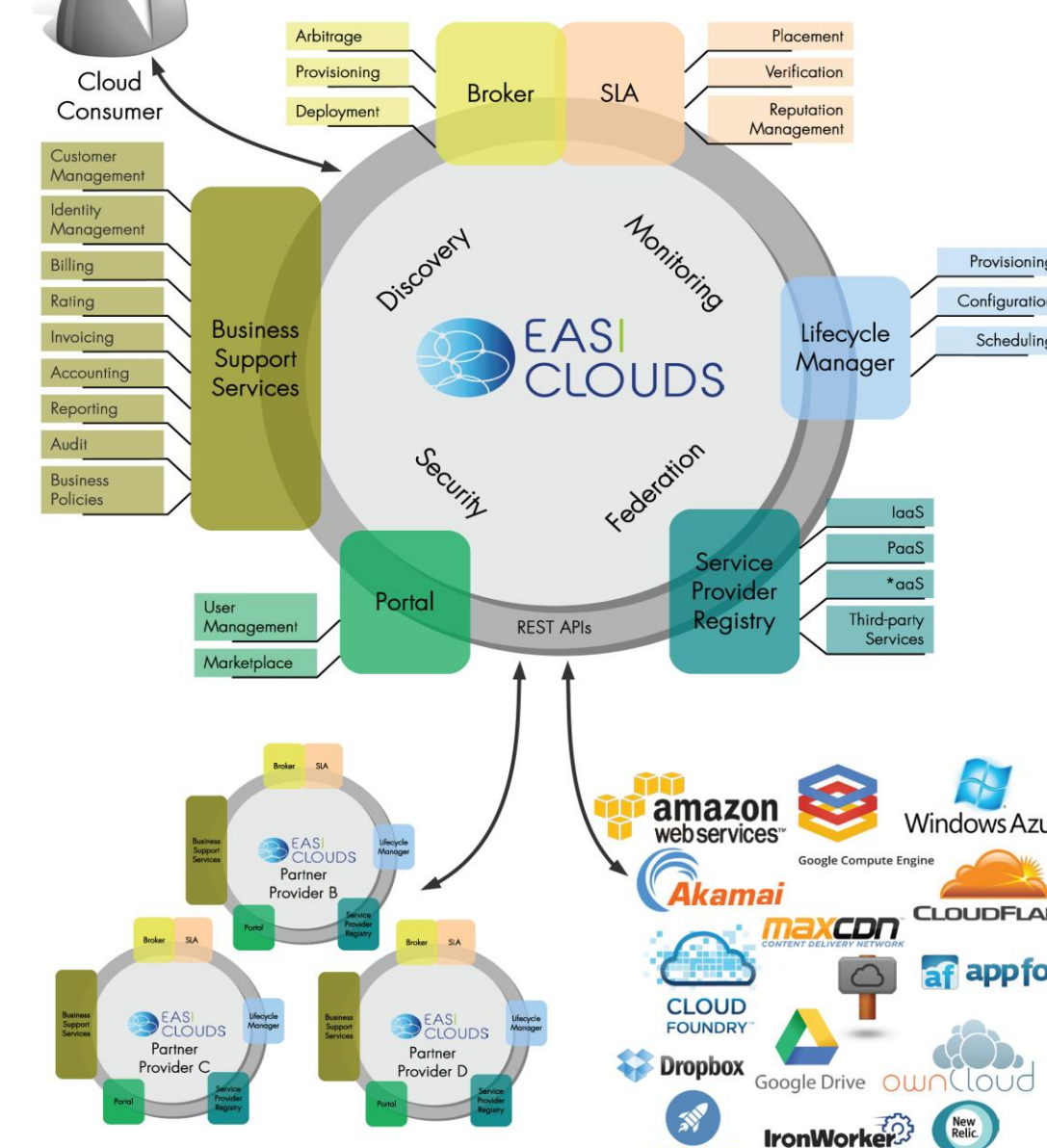


7. COAPS Use Cases

CompatibleOne project



EasiClouds project



8. References

- COAPS: a Generic Cloud Application Provisioning and Management API <http://www-inf.telecom-sudparis.eu/SIMBAD/tools/COAPS/>
- OCCI4Java Platform and Application <http://www-inf.telecom-sudparis.eu/SIMBAD/tools/OCCI/>