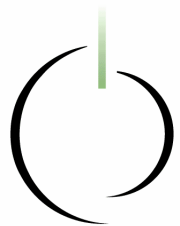


Service Virtualization in the Future Internet (FI)

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cetic

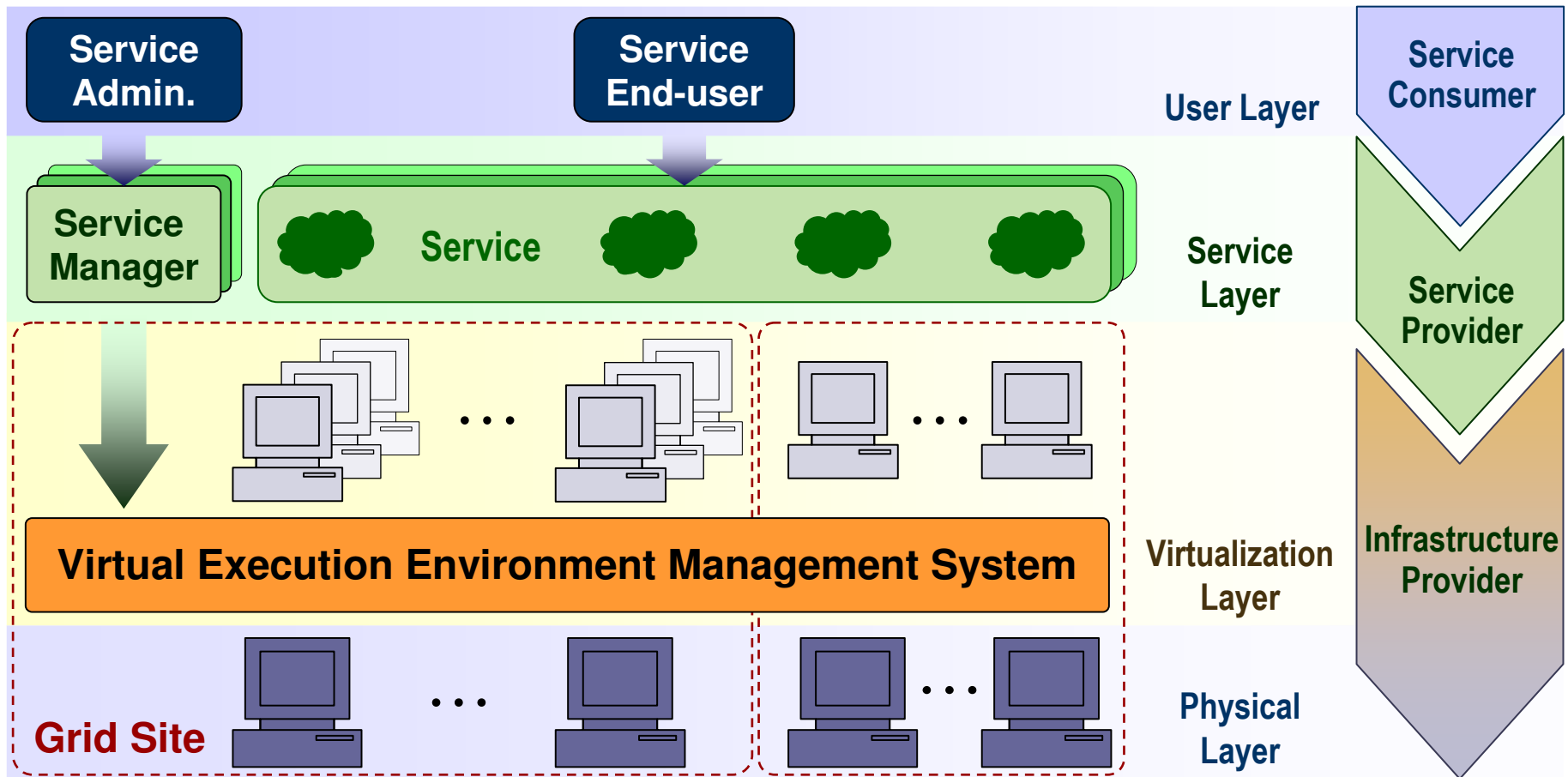
Your connection to
ICT research

RESERVOIR Relation with RWI

- The RESERVOIR project will enable the delivery of services on an on-demand basis (**services as utilities**) with security, elasticity, transparency and availability “without boundaries”.
- RESERVOIR plans to take virtualization forward in order to allow the migration of resources across geographies and administrative domains, maximizing resource exploitation, and minimizing costs.
- The major results of the RESERVOIR projects – **virtualization** and **services as utilities** will directly contribute to the Future Internet (IoS, RWI, etc.)

RESERVOIR Architecture

Value Chain



The RESERVOIR use cases

Four use cases from industrial partners

– SAP – Business application

- Multi-tenant service delivery for SMBs in a data center
 - Managing thousands of different service components that comprise a variety of service applications executed by thousands of VEEs.
- Deployment of a business application with one click
 - Deployment based on Service Manifest
- Relocation of a multi-tiered business application

– Sun – Utility computing

- Utility computing (example: digital content creation – such as computer generated animated films or special effects), or Web 2.0 application
 - Test performance under the following conditions:
 - » Frequent change of resource use
 - » Unpredictable loads
 - » Pay as you go use.

The RESERVOIR use cases

Four use cases from industrial partners

- **Telefonica – Telco application**
 - Test a mash-up application on top of the RESERVOIR infrastructure
 - Lifecycle management in a highly dynamic environment
 - Accounting, billing and business management from different gadget providers.
- **Thales – e-Government**
 - Three-tiered application
 - Tests handling dynamic loads – cyclic demands on a user application to reflect hourly/seasonal peaks
 - Maintenance scenarios to physical resources
 - Application manageability – QoS tradeoffs, large number of simultaneous connections etc.

RESERVOIR 

<http://www.reservoir-fp7.eu>