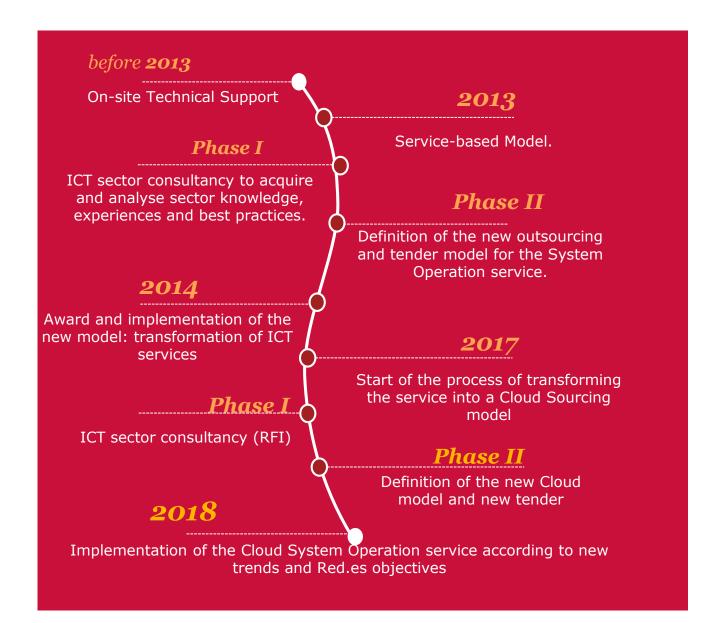
Cloud Systems Operation Service

Red.es



Complex, Changing Environment





06/2018 - 06/2022



BUDGET

9,956,00.00



GOALS OF THE SERVICE

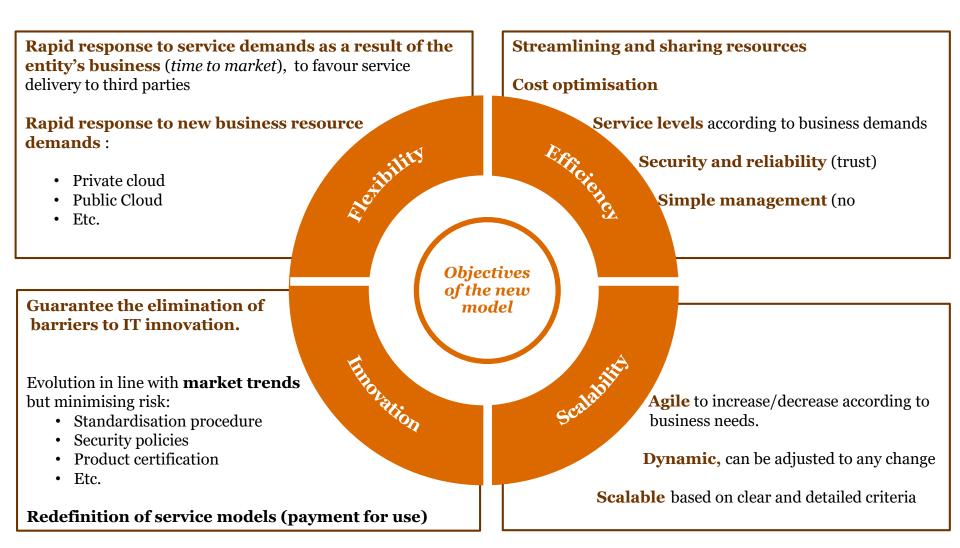
Operation of a hybrid multicloud service. Technical systems, communications and security infrastructures, Workstation management for good Red.es employee and collaborator performance.



Objectives



red.es



Key Topics



Type of Cloud

red.es

LicensingRed.es

 Red.es licence to reuse investment (BYOL Bring Your Own Licences)

 Licenses included in the service: focus on SAS models (Software as a Service)

clou a pr

Type of cloud

 Hybrid Cloud in Sourcing, but the Red.es private cloud will have the specifications and flexibility of a private cloud -such as dedicated resources, design adaptation or audits- and the functions of a

public cloud such as shared resources that favor

scalability and standardization

Regulatory framework

- European framework: datacenter and data located in European Union
- LOPD (Spanish Data Protection Act)
- GDPR
- Red.es regulations
- Critical point: service transition
- IT cost control and governance

Computing model

- Initial laaS model (Infrastructure as a Service)
- Flexible to the evolution of PaaS models (Platform as a Service)
- Computing capacities in SaaS models (Software as a Service), especially for workstations

Security SLAs

Cloud

Model

Licensing

Regulatory

framework

Security

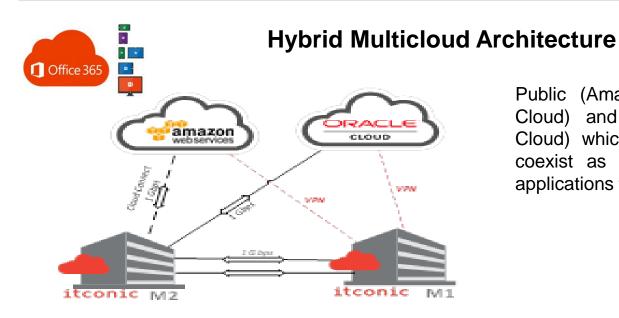
- National Security Scheme (ENS) and ISO 27001
- Integration with Managed Security Office (SOC)

SLAs

Computing model

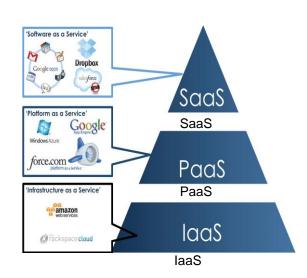
- Sourcing-based model, the sourcer or integrator will be liable for compliance with SLAs.
- Service oriented

ICT Infrastructure



Public (Amazon Web Services and Oracle Cloud) and private cloud (private Equinix Cloud) which remain as unique entities but coexist as their technology allows data or applications to be shared.

Computing resources in different models



Software as a Service: Software is offered directly for a specific use.

Platform as a Service: Provision of a comprehensive platform with the software necessary to execute applications or services.

Infrastructure as a Service: Provision of a cloud infrastructure for operating applications or software.

O365, WebTV, Cloud Videoconference.

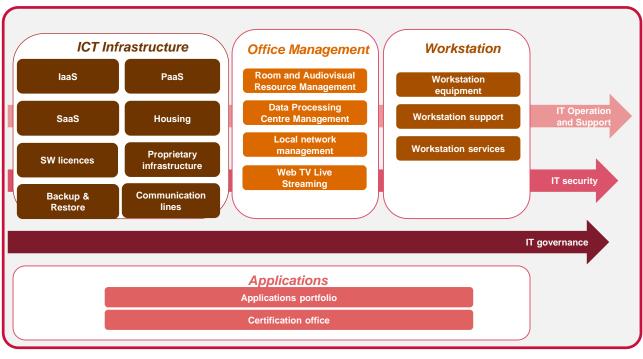
Oracle databases, CMS (Drupal, Wordpress, ...)

Web Front end and Back end applications, J2EE

Service portfolio



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"Rediseñando lo que somos para transformar lo que hacemos"







Mejor calidad de imagen

Mejor calidad de sonido





Mejor experiencia en reuniones













OneNote



Publisher



OneDrive para la









Nuevas opciones

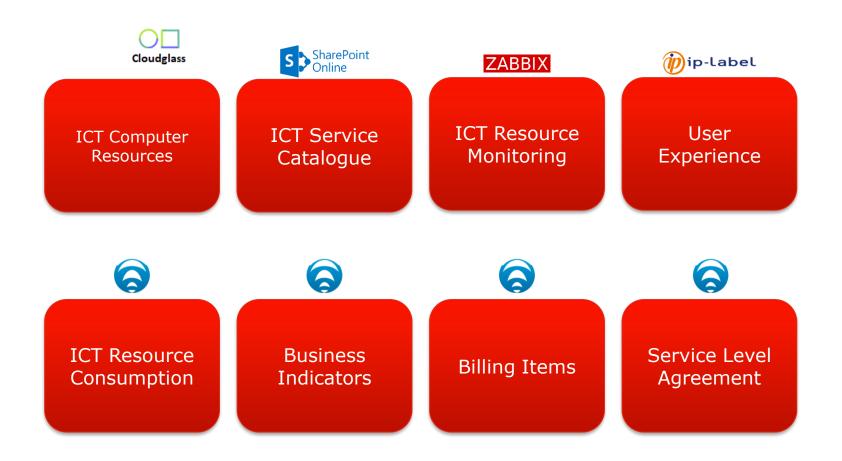
- · Conexión remota a la pantalla (wireless)
- · Videoconferencia cloud multidispositivo
- Movilidad (todo el equipamiento en un único soporte)

Global IT Governance panel



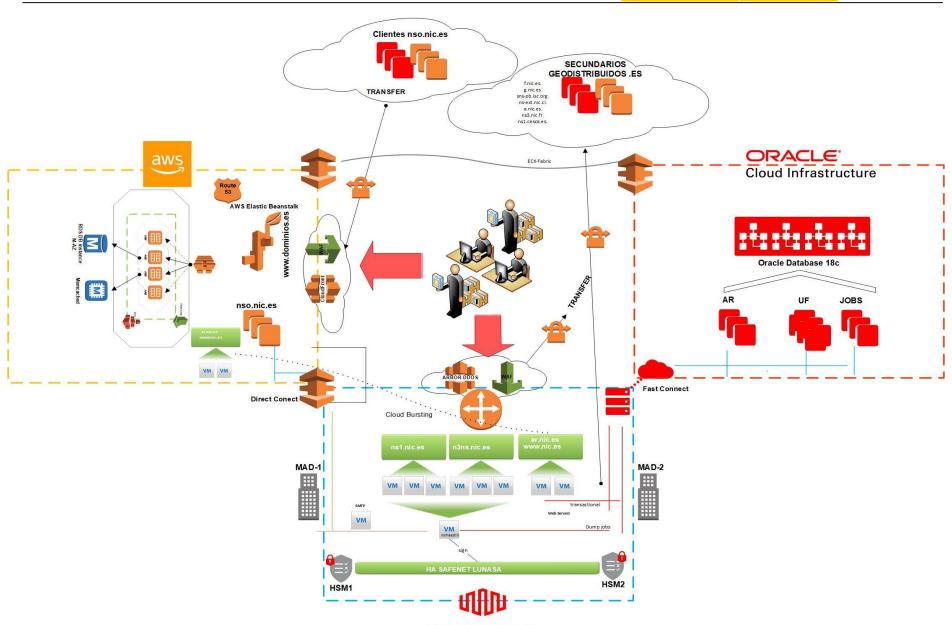
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A single control panel offers an overview of the main service indicators.



Architecture Diagram







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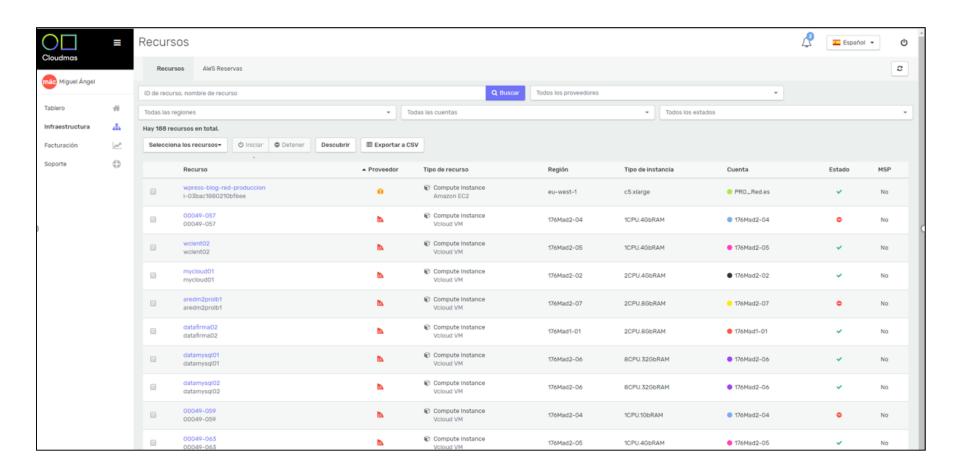
Appendix Examples

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Online infrastructure control tool deployed in the Cloud

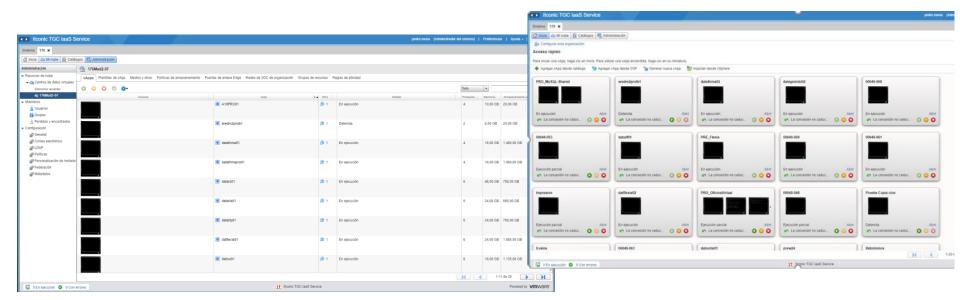


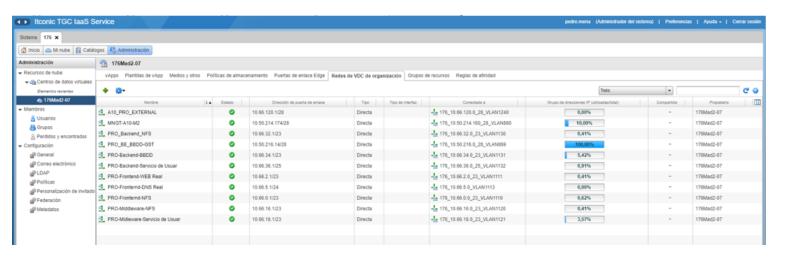
Management and Communication Orchestrator



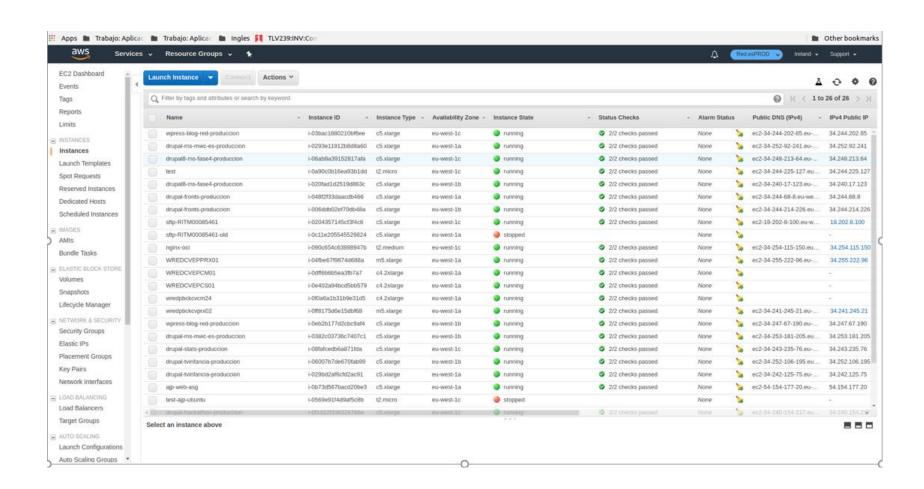
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Equinix VMWare Cloud Platform











Architectures deployed for applications.

