

FI4VDI Project - Development of a federated infrastructure network for the creation of virtual desktop services



<http://www.fi4vdi-sudoe.org/>

QUATIC 2014 – September, 23rd 2014, Guimarães
Marlos Silva - Inova-Ria

The partnership



SUDOE

Programa de Cooperación Territorial

Programme de Coopération Territoriale

Programa de Cooperação Territorial

Territorial Cooperation Programme

Interreg IV B

www.interreg-sudoe.eu



Los proyectos aprobados

Les projets approuvés

Os projectos aprovados

CONVOCATORIAS 2011 - 2013

APPELS À PROJETS 2011 - 2013

CONVOCATÓRIAS 2011 - 2013

Cooperar está en sus manos

La coopération est entre vos mains

Cooperar está nas suas mãos



3&
4



Prezi

-Goal: Creation of a Platform as a Service (PaaS) for mass deployment of virtual desktops



Regional influence of partners



Supercomputation centers (infrastructure)
Industries Associations (services)



SOE4/P3/E804

• PARTENARIADO – PARTENARIAT – PARCEIRA

- BP/PB: Fundación Del Centro De Supercomputación De Castilla Y León (FCSCL) (ES)
- Fundación COMPUTAEX (Computación y Tecnologías Avanzadas de Extremadura) Centro CénitS (Centro Extremeño de investigación, Innovación Tecnológica y Supercomputación) (ES)
- Universitat de Lleida Facultat de Lletres Centro de Computación de Ponent (ES)
- Université Montpellier 2 Sciences et Techniques (FR)
- Agrupación Empresarial Innovadora para la Seguridad de las Redes y los Sistemas de Información (ES)
- Inova-ria – Associação de Empresas para uma Rede de Inovação em Aveiro Associação empresarial (PT)
- Consorcio Parc Científic i Tecnològic Agroalimentari de Lleida (ES)



COSTE TOTAL: 859.403,00 EUR

FEDER: 644.552,25 EUR

FECHA DE INICIO: 01/01/2013

FECHA DE FIN: 31/12/2014

OBJETIVO – OBJECTIF – OBJETIVO

- Desarrollar un modelo innovador de suministro de servicios de Cloud Computing para la generación de una infraestructura conjunta destinada tanto a grandes empresas como PYMEs, Centros educativos, Universidades y/o Centros de investigación.
- Développer un modèle innovateur de prestation de services de cloud computing pour la génération d'une infrastructure commune pour différents utilisateurs : les grandes entreprises et les PME, les écoles, les organismes publics, les universités et / ou de recherche.
- Desenvolver um modelo inovador de subministro de serviços de Cloud Computing, mediante a federação de Centros de supercomputação para a geração de uma infraestrutura conjunta destinados a grandes empresas como PME, Centros educativos, entidades públicas, Universidades e/ou Centros de investigação

1 DE 12 TEMAS/THÈMES/TEMAS

INNOVACIÓN
INNOVATION
INOVAÇÃO



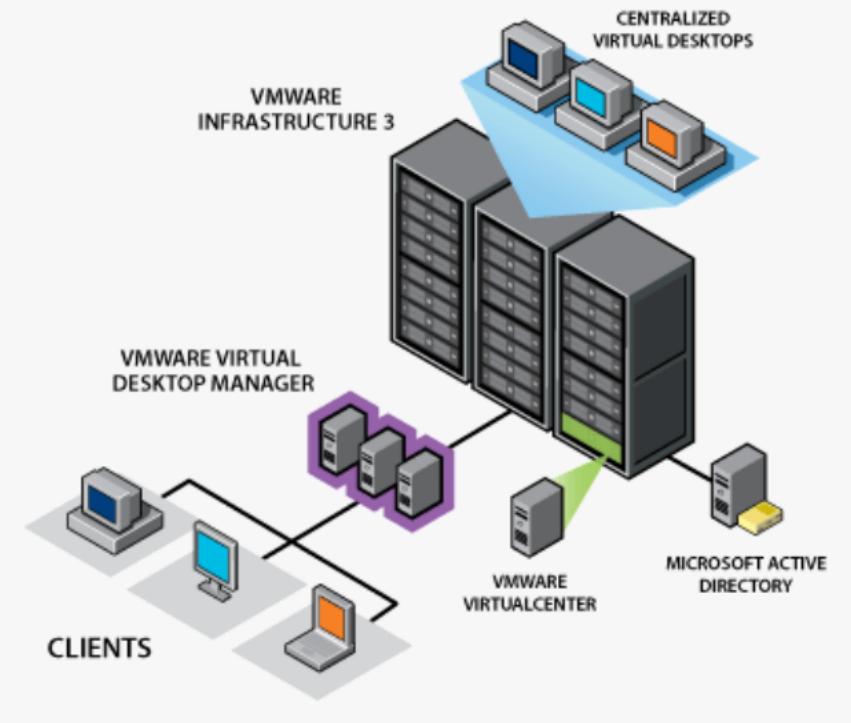
aeiseguridad
Agrupación Empresarial Innovadora para la Seguridad de las Redes y los Sistemas de Información



Cloud Computing awareness and adoption within sectors from Public Administration and Industry in SUDOE area is still slow...



...we aim to provide virtual offices to ICT Clusters which will add to their portfolios a set of competitive services, benefiting final users both in public and private sector



VDI - Virtual Desktop Infrastructure

Why Desktop Virtualization?

✓ Benefits

- Enhanced security and reduced desktop support costs
- Reduced general hardware costs
- Ensured business continuity
- An eco-friendly alternative
- Improved data security

✓ Advantages

- Instant implementation of new desktops and use of applications
- Virtually zero downtime in the case of hardware failure
- Significant reduction in the cost of new deployments
- Sound capacity for managing the desktop image
- The PC replacement cycle is extended from 2-3 years to 5-6 years or more
- Existing desktops include multiple monitors, bidirectional audio/video, video streaming, USB port supports, etc.
- Company employees can access their virtual desktops from any PC, including a PC in the employee's home
- Resources tailored to desktop needs
- Multiple desktops on demand
- Free provision of desktop computers (controlled by the policies of each corporation)

IT Infrastructure in the Cloud, using the available resources in different supercomputation centers, located within the SUDOE territory, ensuring user data protection, conformity and security.

-Making those services available will enhance competitiveness and efficiency throughout specific sectors, public and private.



Results/Prototypes to each sector

- ***VDI University Management and Academic Management: e-government***
- ***VDI Sanitary Management: Management model and knowledge formalization (cases of study)***
- ***VDI Public Management – Network of Digital Town Halls - Equipment and application which manage under a set of specifications complying with the laws and regulations for data protection***
- ***VDI Outsourcing – Externalization of resources and services, nearshoring and offshoring ICT services***

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