



Adoption of GÉANT Cloud IaaS Framework in Spain

“TOWARDS THE CLOUDS TOGETHER”

RedIRIS (Spanish NREN)

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Status (some highlights)

- RedIRIS **Community** is aware of the **growing relevance of Cloud services**.
- The **GÉANT IaaS Framework** (“the Framework”) has generated a great interest due to its **multiple benefits** (savings, agility, SSO via SIR, direct peering).
Direct contracting/purchasing of IaaS services on advantageous terms without the need for tendering, multi-vendor and with no minimum value.
- The new **Spanish legislation** on public procurement, which transposes the EC directive, finally came into force on March 9th.
- RedIRIS held a **successful national workshop** in Madrid on 28 Nov. 2017, with the participation of the different providers (Azure resellers, AWS resellers and OIPs).
- **25 institutions** are already using the Framework and a few more coming soon.

Providers in Spain



Adoption

- RedIRIS: **Referrer role. 0% Cost recovery.**
 - Our budget comes from the Ministry. To date we have been offering our services for free.
 - We are working at legal and administrative level to be able to offer centralized procurement (demand aggregation) and billing services in a pay-per-use model.
- Local resources: minimum team but highly motivated and believer ;-). We do our best.
(contact: cloud-sdms@rediris.es)
- Working group was established with the ICT committee of the Spanish Universities Council (**CRUE-TIC**). And recently we met a group of **ICTS** (“Singular Scientific and Technological Infrastructures”). Their needs and problematic are different from those of universities.
- Since the beginning (Q2-2017) meetings held with all Framework providers and closer relationship with the most active ones in order **to work in a coordinated way** while approaching the Spanish R&E community.

Adoption: Users in Spain



- Two main focus (Madrid and Barcelona) but also distributed in many regions and spreading
- A varied range of services and uses: ADFS, SSO, backup center, disaster recovery, databases, web hosting, student labs, development environments, LMS, research groups activities, ...

Adoption: Users in Spain

	INSTITUTION		E/R	Pub/Priv	TECH
1	Universidad de Santiago de Compostela	USC	E	Public	Azure
2	Fundación Privada Xavier - URL	FPX-URL	E	Private	Azure
3	Centro de Enseñanza Universitaria SEK	SEK-UCJC	E	Private	Azure
4	Universidad de Salamanca	USAL	E	Public	Azure
5	Universidad Pontificia de Comillas	UPCOMILLAS	E	Private	Azure
6	Universidad de Burgos	UBU	E	Public	Azure
7	Instituto de Empresa	IE	E	Private	Azure
8	ESADE	ESADE	E	Private	Azure
9	Universidad de Almería	UAL	E	Public	Azure
10	Universidad de Oviedo	UNIOVI	E	Public	Azure
11	Universidad San Pablo Ceu	FUSP-CEU	E	Private	Azure
12	IQS Ramón Llul	IQS-URL	E	Private	Azure
13	Universidad Católica de Ávila	UCAV	E	Private	Azure
14	Universidad de la Coruña	UDC	E	Public	Azure
15	Universidad Politécnica de Cartagena	UPCT	E	Public	Azure
16	Universidad Autónoma de Madrid	UAM	E	Public	Azure
17	Universidad Oberta de Catalunya	UOC	E	Private	Azure
18	Universidad de Mondragón	MU	E	Private	Azure
19	IESE	IESE	E	Private	Azure
20	Universidad Internacional de la Rioja	UNIR	E	Private	Azure
21	Universitat Rovira i Virgili	URV	E	Private	Azure
22	Universidad Politécnica de Madrid	UPM	E	Public	Azure
23	CESGA	CESGA	R/E	Public	Azure
24	Universidad Pompeu Fabra	UPF	E	Public	AWS
25	IRAM	IRAM	R	Private	AWS

- Most in **Education**. Only one pure Research institution (IRAM radiotelescope).
- All with **Azure** except two with **AWS**, IRAM and UPF, recently signed.
- **Comparex** being the top provider (19) with Azure and **TI – Sparkle** (2) with AWS.
- Other relevant institutions like USevilla (+60K students), UCLM or Alba Synchrotron joining soon

Adoption: Communication and dissemination actions

- **RedIRIS Work Groups:** Santander in June 2017 and Salamanca in May 2018
- **RedIRIS newsletter** (<https://www.rediris.es/difusion/publicaciones/e-boletin/8/n3.html>)
- **RedIRIS Cloud IaaS National Workshop** in Madrid (Nov. 2017)
- **TECNIRIS@:** community technical forum
- **Microsoft** Spain and resellers have been proactive from the beginning specially for higher education: several Azure webinars, email marketing campaigns, face-to-face meetings, etc.
Now looking at research: events in Madrid and Barcelona in June.
- **AWS** starts pushing. Strengthening of local teams and partners.
AWS Summit in Madrid (May 2018). Several webinars in June.
- Institutions are interested in multi-vendor approaches.

Cloud IaaS Conference (Madrid, 28 Nov 2017)

- Complete and successful event with around 150 attendees + another 100 via streaming
- All presentations and recordings available on RedIRIS website *(in Spanish)*

<https://www.rediris.es/gt/gt2017/programa/cloud/>

<https://tv.rediris.es/es/gt2017NOV>

11:00 - 11:15	Sala A (Salón de Actos) Bienvenida y presentación de la jornada
11:15 - 12:15	Sala A (Salón de Actos) Presentación del "GÉANT IaaS Framework" (4.44 MB) Antonio Saravia, Subdirector de RedIRIS
12:15 - 13:15	Sala A (Salón de Actos) Primeras experiencias <ul style="list-style-type: none">• Universidad Internacional de La Rioja (3.59 MB) Conrado Perea Sanciprian y Marcos Pereiro (UNIR)• Universidad de Salamanca (1.20 MB) Gustavo Santos García, USAL• Universitat Jaume I (0.66 MB) José Traver Ardura, UJI
13:15 - 14:00	Sala A (Salón de Actos) Sesión de proveedores con Infraestructura Propia (OIP's): <ul style="list-style-type: none">• Interoute (3.57 MB)• Dimension Data (0.80 MB)• CloudSigma (2.61 MB)
14:00 - 15:00	Comida
15:00 - 15:30	Sala A (Salón de Actos) La compra pública conjunta: modelo de éxito (2.53 MB) Dr. Francisco Javier Vázquez Matilla, miembro del grupo de expertos en contratación pública de la Comisión Europea. Abogado
15:30 - 16:30	Sala A (Salón de Actos) Sesión de Microsoft Azure: <ul style="list-style-type: none">• Microsoft (8.64 MB)• Compuarex (4.63 MB)• SoftwareONE (5.54 MB)• ATEA (4.14 MB)
16:30 - 17:15	Sala A (Salón de Actos) Sesión de Amazon AWS: <ul style="list-style-type: none">• Amazon• Telecom Italia - Sparkle (1.85 MB)• Compuarex (3.29 MB)

	Bienvenida y presentación de la jornada <ul style="list-style-type: none">■ OC-Video Spanish 18' 53" Viewed: 73 times■ Video Spanish (18' 53") Viewed: 73 times Alberto Pérez RedIRIS
	Presentación del "GÉANT IaaS Framework" <ul style="list-style-type: none">■ OC-Video Spanish 55' 01" Viewed: 91 times■ Video Spanish (55' 01") Viewed: 91 times Antonio Saravia RedIRIS
	Primeras experiencias: Universidad Internacional de La Rioja <ul style="list-style-type: none">■ OC-Video Spanish 11' 32" Viewed: 85 times■ Video Spanish (11' 32") Viewed: 85 times Conrado Perea Sanciprian UNIR
	Conrado Perea Sanciprian UNIR Marcos Pereiro UNIR
	Primeras experiencias: Universidad de Salamanca <ul style="list-style-type: none">■ OC-Video Spanish 27' 46" Viewed: 78 times■ Video Spanish (27' 46") Viewed: 78 times Gustavo Santos García USAL
	Primeras experiencias: Universitat Jaume I <ul style="list-style-type: none">■ OC-Video Spanish 27' 15" Viewed: 42 times■ Video Spanish (27' 15") Viewed: 42 times José Traver Ardura UJI

Coming future (Q2-2018): some challenges and next steps

- Encourage IaaS Framework adoption in Research centers and Public institutions
- Promote cloud Training for R&E community (from GÉANT, vendors, consultants, ...).
- Communication and dissemination:
 - Build some local use case
 - Examples of use from other countries
 - RedIRIS cloud services mini-site (<https://www.rediris.es/servicios/cloud/>)
 - Promotion and Participation in events and webinars organised by vendors and partners
 - Cloud session in the next RedIRIS Work Groups event (Nov. 2018)

Transit to Cloud is no longer an option. It has become a MUST and we have to work all together to get this happened.



“TOWARDS THE CLOUDS TOGETHER”

That's all. Thanks 😊



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