8C: Cloud User Stories

Adoption of Cloud in Spain

“TOWARDS THE CLOUDS TOGETHER”

RedIRIS (Spanish NREN)
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Spain - Cloud User Stories
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https://redir.is/YKAVN
Spain - Cloud User Stories

Instituto de RadioAstronomía Milimétrica

Granada - Spain

https://redir.is/34CJ9
Adoption: Users in Spain

- Two main focus (Madrid and Barcelona) but also distributed in many regions and spreading
Adoption: Users in Spain

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- Most in **Education** but **Research** institutions joining
- Most with **Azure** but **AWS** growing. Current scenario: Education mainly Azure vs Research mainly AWS
- **A varied range of services** and uses: backup, disaster recovery, VLE, HPC, datasets, long-term storage, ADFS, SSO, web hosting, student labs, LMS, BI, Virtual campus, development environments, ...
- **UCLM**: First **Azure ExpressRoute** implementation via RedIRIS-GÉANT
- **UOC/UJI/IRAM**: **AWS Direct Connect** quite soon via RedIRIS
Building a community on Cloud services (1/2)

Cloud services mini-site  mailing list (140+ subscribers)

IRIS-CLOUD@LISTSERV.REDIRIS.ES

Mensajes mas recientes

RV: [TECNIRIS] Barcelona
OpenNebula Cloud
Techday – 8 de Mayo
[Containers 2.0 and beyond (LXD, RANCHER, KUBERNETES, UNIKERNELS,...)]
Jordi Guijarro <jordi.guijarro@CSUC.CAT>

(Cont.) AWS workshop - 14 Mayo, RedIRIS, Madrid
(plazas limitadas)
Antonio Saravia González <Antonio.Saravia@RED.ES>

AWS workshop - 14 Mayo, RedIRIS, Madrid (plazas limitadas)
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Contact: cloud-sdms@rediris.es
Building a community on Cloud services  (2/2)

Cloud session in RedIRIS annual conference

based on Use Cases

Sala P (Paraninfo)
Sesión G2P: Cloud

- Novedades y proyecto OCRE (32.67 MB)
  Antonio Saravia, RedIRIS
- Casos de uso de la Comunidad: PIC (0.43 MB)
  Jordi Casals, Vanessa Acín y Fernando López (Port d’Informació Científica, PIC)
- Casos de uso de la Comunidad: UOC (0.79 MB)
  David Ayala y David Recuenco (Universitat Oberta de Catalunya, UOC)

AWS workshop - May 2019

- Cloud generates a lot of interest
- 150+ attendees + another 100 via streaming
- All presentations and recordings available
- Telling actual use cases (motivation, goals, strategy, barriers, issues, …) is highly appreciated

Contact: cloud-sdms@rediris.es
Cloud Integration Journeys (1/2)

- Institutions see the value of the cloud and the advantages of IaaS Framework
- **BUT**
  - Public institutions: *procurement and legal* teams need to be convinced that the IaaS Framework can be used without tendering. It’s an important issue in Spain.
  - Fear of uncontrolled and **uncertain costs** (how to do it to prevent from bad surprises)
  - **Lack of a clear roadmap** to the cloud and **insufficient knowledge** of how to design it and implement it

**IT HELPS**

- **Highly valuable to have good use cases** and a few advanced institutions leading by example
Cloud Integration Journeys (2/2)

- Institutions moving forward slowly by defining first use cases and pilot projects → looking for good examples
- Hybrid cloud models in mind
- Initially with one cloud provider but open to multivendor
- Some advanced institutions moving to
  - a “Cloud First” Strategy (SaaS first and managed services)
  - a private connection to cloud providers
  - a Cloud Office approach
2019: some challenges and next steps

- Encouraging cloud adoption in Research centers and Public institutions
- Keep promoting cloud Training (from GÉANT, vendors, consultants, ...)
- Keep developing the cloud community
- Working at legal and administrative level to be able to offer centralized procurement (demand aggregation) and billing services in a pay-per-use model
- OCRE:
  - initially with a referrer role (0% cost recovery)
  - Being an active agent to engage the Spanish R&E Community
  - Local resources: minimum team but highly motivated and believer
Transit to Cloud is no longer an option. It has become a MUST and we have to work all together to make this happen.

“TOWARDS THE CLOUDS TOGETHER AND BEYOND …”

That’s all folks 😊

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