IT empresarial en la nube

Mejores practicas para organizar y acelerar la adopción de la nube

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#AWSSummit
@AWSSummits
@awscloud_es
IT Map - Traditional IT

Business Applications
Digital Products, Brand Websites, Mobile Applications, Point of Sale Systems, Commerce

Corporate Applications
E-mail, Productivity, Collaboration, HR, Finance, ERP

End User Computing
Desktop Support, Device Management, Telephony, IT Support

Infrastructure
Servers, Storage, Networking, Databases, Data Warehousing, Data Centers

Information Security, CISO
Encryption, Key Management, Identity Management, Firewalls, IDS, DDoS
IT Map - Traditional IT with AWS

Information Security, CISO

Corporate Applications

AWS Identity and Access Management (IAM), AWS CloudHSM, AWS Key Management Service (AWS KMS), Security Groups, AWS Marketplace

End User Computing

Amazon WorkSpaces, Amazon AppStream, AWS Marketplace, AWS Mobile Services, SaaS

Business Applications

AWS Elastic Beanstalk, AWS Lambda, Amazon SQS, Amazon SNS, Amazon Mobile Analytics, Amazon CloudFront

Infrastructure

Amazon EC2, Amazon S3, Amazon RDS, Amazon VPC, Amazon Direct Connect, Directory Service, IAM, AWS Service Catalog
Thousands of enterprises are migrating
Enel uses AWS to achieve Operational Transformation through Migration

"Through the shift to AWS we achieved a saving of up to 50% in storage costs, 20% in computational power, and reduced the time required to provision from 3-4 weeks to two days"

Fabio Veronese
Head of ICT Solution Center Infrastructure & Networks
Head of Infrastructure and Technological Services

- Enel is implementing an ambitious Data Center Transformation, leveraging the cloud
- 75% of the whole infrastructure is being migrated
- 5,000 servers migrated from September 2015 to April 2016

Outcome:
- Saving of 11%-21% on computational power due to off/on, reserved instances and downsizing
- Savings of 21%-50% on Storage, through rightsizing
- Increased operational efficiency by reducing provisioning lead time from 3-4 weeks to 2 days

Enel operates in more than 30 countries, serving 61 million customers with a 1.9 million kilometers of grid network. Enel has been listed by Fortune 5th out of 50 companies that can change the world.
Salesforce Selects AWS as Preferred Public Cloud Infrastructure Provider

“We are excited to expand our strategic relationship with Amazon as our preferred public cloud infrastructure provider”. “There is no public cloud infrastructure provider that is more sophisticated or has more robust enterprise capabilities for supporting the needs of our growing global customer base.”

Marc Benioff
Chairman & CEO Salesforce.com

For the first time, Salesforce will expand its use of AWS to core services—including Sales Cloud, Service Cloud, App Cloud, Community Cloud, Analytics Cloud and more—for the company’s planned international infrastructure expansion.
IT Map - A Cloud-First Tomorrow

Information Security, CISO

Business Applications

DevOps

Corporate Applications

End User Computing

+30% added to your business
Best practices to lead your organization into the cloud

- Executive Leadership
- Educate Staff
- Experiment
- Cloud Center of Excellence
- Engage Partners
Remy Paternoster

Global Head of IT **Platforms and Services**

Lead **design and development** around:

- IT Platforms (core, cloud, application architecture)
- Service architectures (internal, Open Platform)
- Banking APIs design and governance
Leading the digital banking transformation

Since 2015

- Digital is #1 priority
- New capabilities like digital marketing and new businesses in the top of the organization
- Extreme simplification of IT decisions
Cloud is our first priority

Create a global banking cloud platform (3-5 years)

Enable the AI driven Bank (5-7 years)

Transform current bank

Create a bank from scratch

Cognitive Computing

Extreme Automation
New cloud native platform

BBVA Cloud Platform Marketplace (PaaS)

- Banking Services
- Data Services

Cloud Infrastructure Services (Hybrid)

Lessons learned
- Everything written for cloud as default
- Hybrid with public as priority
- Infrastructure is not our core business
- Moving each workload individually is suicide
- Cloud is much more than IaaS
- It's the only way of doing anything global
- Coexistence with legacy!
OK, but how?
Strong executive buy-in and sponsorship

Francisco González sees open platforms and cloud computing as essential to the future of the banking sector.
Focus on capturing new capabilities
...and building them ourselves

The Ninja Project
Se ha creado para detectar, fomentar y valorar el talento de nuestro equipo. Bueno, para eso y para dominar el mundo, claro.

150 miembros - Visible para todo aquel que esté en bbva.com

Scala for everyone!

Otro curso que acaba de empezar:
Functional Programming in Scala
Lo mismo con la charla de hoy alguien se anima

Coursera - Free Online Courses From Top Universities

Qué buenas noticias!!!
A long relationship with the cloud

- Critical (channels, data) workloads already on the public cloud
- One of the first banks to go for OpenStack
- First bank to go for Google Apps
- Top IT partner to AWS
Using cloud for data analytics

**BBVA Data&Analytics**

- **Independent** company 100% owned by BBVA
- Works for **BBVA and external clients**
- Concentrates **all data scientists** talent and serves all our banks
- Heavy **users of AWS** for analytics purposes
...as well as technology

50+ experts in cloud and other technologies (containers, DevOps, etc.) located in Mexico and Spain
Partner ecosystem to accelerate adoption

APN - Amazon Redshift Partners - Beeva

Who we are and what we do

BEEVA is a European consultancy firm specialized in Cloud Computing, Big Data and API Economy technology and advisory services. BEEVA provides advanced architecture design and tailored software development that captures all the advantages and innovations of the Amazon Web Services platform.

BEEVA provides services to medium sized and large enterprises, supporting customers from the first stages of cloud adoption to the deployment of software defined AWS architectures and sophisticated Big Data platforms. Our experience allows us to apply the latest AWS innovations in enterprise-grade applications, maximizing agility and reducing total cost of ownership.

BBVA se alía con Red Hat para acelerar la transformación digital del banco

Executive Leadership  Educate Staff  Experiment  Center of Excellence  Engage Partners
And last but not least...

Tell us about you: remy.paternoster@bbva.com or add me on LinkedIn
There are patterns in how transformation happens

1. Project
2. Hybrid
3. Scaling
4. Cloud-first
Common project starting points

New development
Hardware refresh
Modernization
Desktops in the cloud

AWS Can Help
AWS Marketplace
AWS Training
AWS Answers
Expand possibilities with a hybrid architecture

- Business Applications
- Corporate Applications
- End User Computing

- Information Security, CISO
- DevOps
- Infrastructure
Your Datacenter

- Fully Featured Compute
- Common Controls for Security & Access
- Resource & Deployment Management
- Integrated Networking
- Data Integration & Life Cycle Management

Amazon Web Services

Flexible hybrid options
Break the dependency on legacy as you scale
Application Landscape Assessment

Examples of various application rated on the four criteria

<table>
<thead>
<tr>
<th>Business Requirements</th>
<th>Reflecting the overall Companies Business Initiatives and KPIs</th>
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</thead>
<tbody>
<tr>
<td>Risk &amp; Security</td>
<td>Regulatory dependency on compliancy. Perceived Risk is an evolution over time</td>
</tr>
<tr>
<td>Value (ROI)</td>
<td>Time to Market, Influence on Top Line &amp; Bottom Line</td>
</tr>
<tr>
<td>Complexity</td>
<td>Dependency Assessment on legacy systems for Migrations and New applications. Latency Requirements to be checked</td>
</tr>
</tbody>
</table>
Migrating to AWS has never been easier

Patterns of Success

People Services

Tools and Automation
A global team of cloud experts to help you

**AWS Professional Services**
Help plan, architect, and implement every aspect of your cloud journey
Work alongside you and your trusted partners
Experience and solutions to help every major industry

**AWS Enterprise Support**
Help optimize your workloads in the AWS cloud
Proactive management, tools, and consultative services
AWS services to help you migrate

AWS Snowball
Simple large-scale data transfer

AWS Database Migration Service
Migrate between on-premises and cloud databases

VM Import / Export
Deploy workloads across your infrastructure
AWS Application Discovery Service

Automate data center application discovery

Identify application inventory
Map application dependencies
Baseline system and process performance

AWS Application Discovery Service is available through AWS Professional Services or one of AWS certified Partners
Transform your entire business by becoming cloud-first

Information Security, CISO

Business Applications

+30% added to your business

DevOps

Corporate Applications

End User Computing
Thank You