



Capabilities & Offering for the Spanish Academic Community

Madrid, 28th November 2017

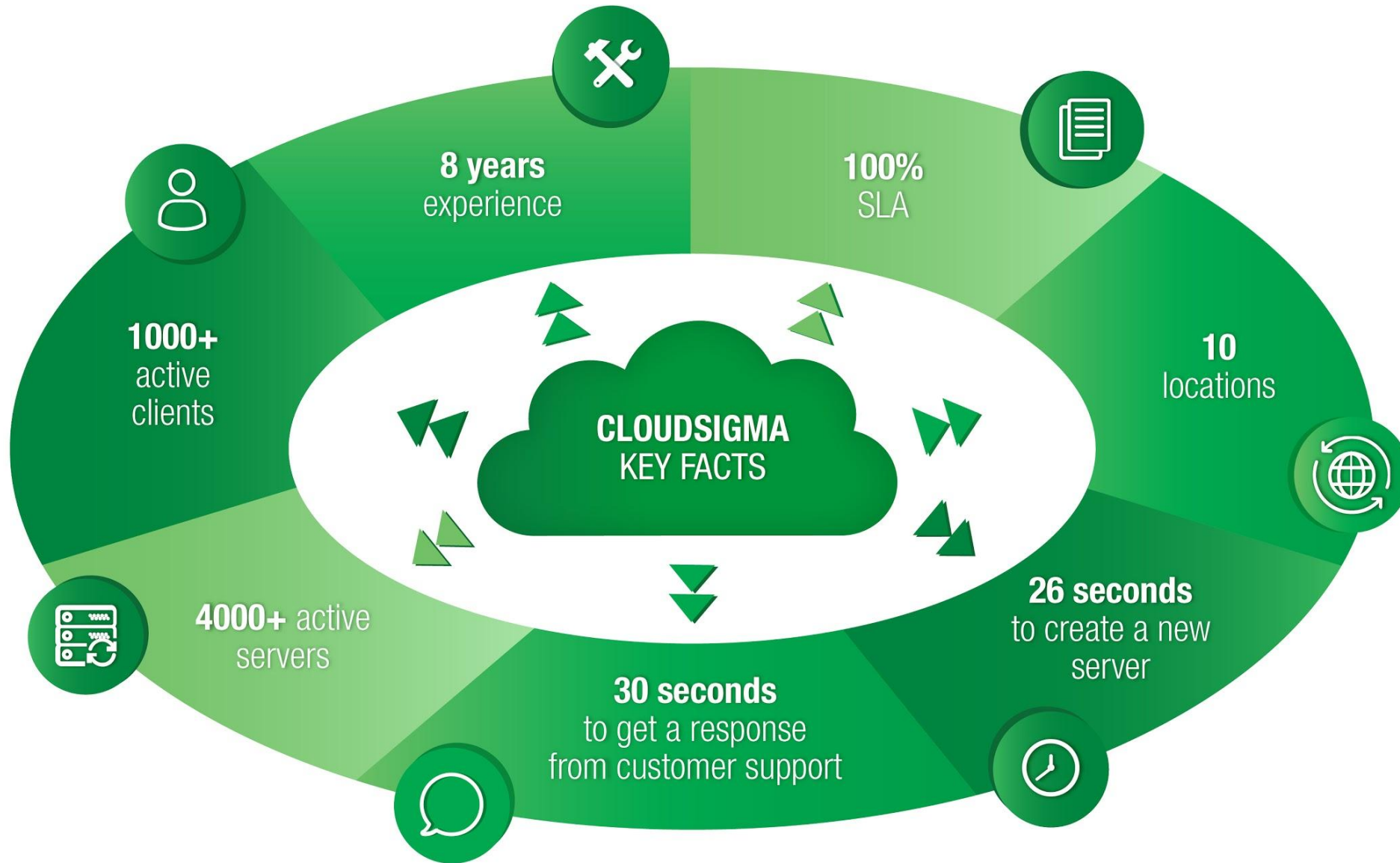
Overview

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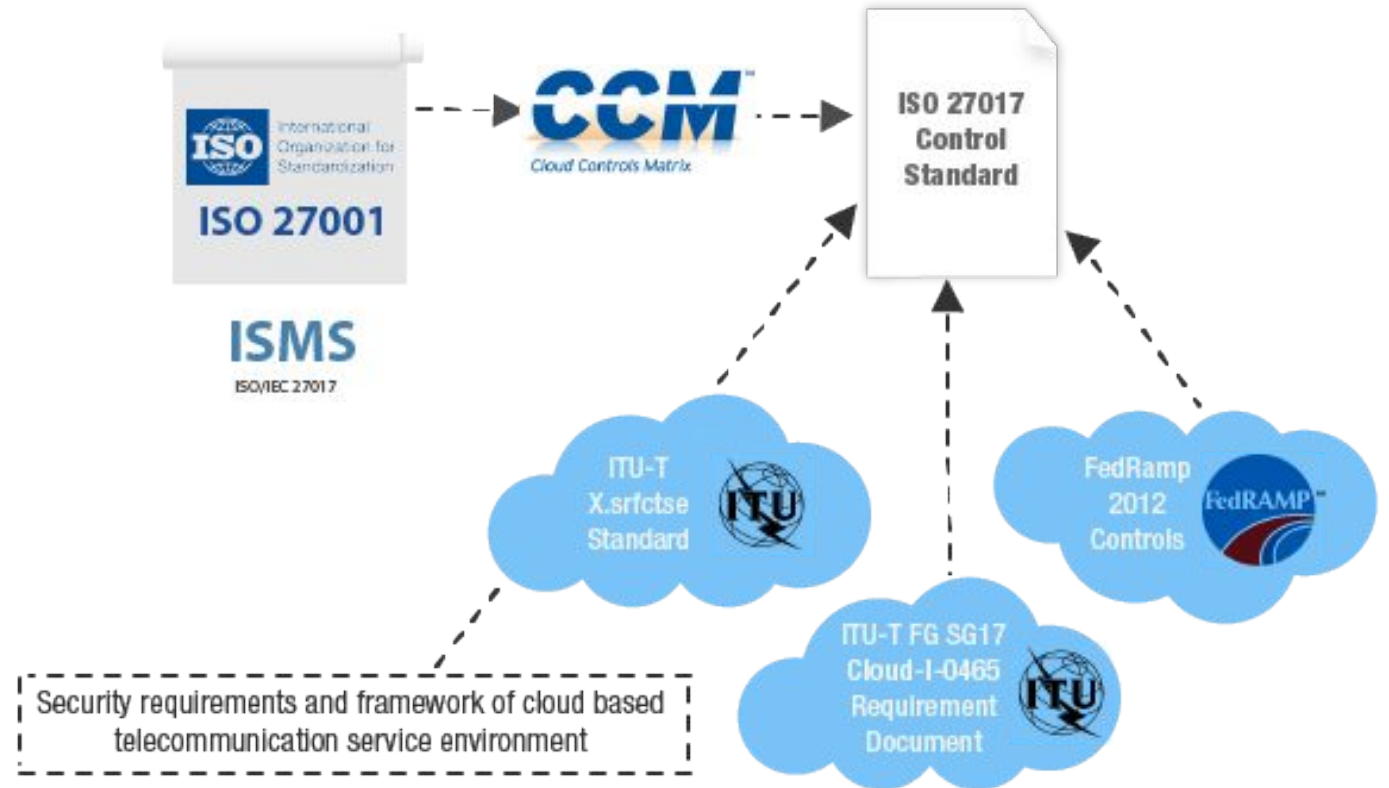
About CloudSigma

- Swiss company founded in 2009, currently with just over 50 employees.
- Leading European IaaS provider with a focus on flexibility & performance.
- Direct connectivity to GÉANT.
- Three European cloud locations in Zurich, Frankfurt and Warsaw, and a few more planned for 2018.
- A global location network in North America, Asia & Australia.





Certificates





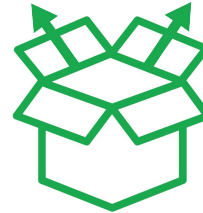
Cloud Platform Capabilities

Our Unique Value Proposition



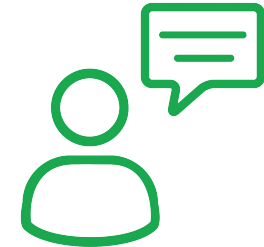
Locally Hosted

Our cloud infrastructure is hosted in a world-class, purpose-built, Tier III design Data Center which ensures high resiliency.



Unbundled Resources

Resources are not bundled together and there is no 'standard size' server. Pay only for what you require and use.



24x7 Local Support

Customer Support is available 24x7 through Ticketing System, Online Chat, Email and Phone.



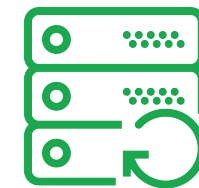
Secured & Protected

We deliver a high degree of security in accordance to various aspects of computing.



Telco-grade Cloud

Networks and connectivity are pretty much high on the fly without delays. One-stop-shop for your telco needs.



DRaaS & BaaS

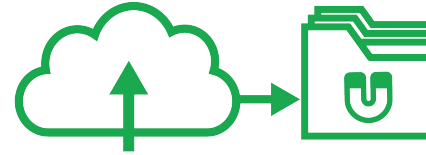
Simple, transparent & predictable all in one utility billing based on compute/storage resources under DRaaS

Plus Other Cool Features



No Restrictions on OS with Full Control APIs

Absolutely no restriction on type of OS or workloads plus we provide modern Restful APIs to provision and configure compute resources.



SSD & Scale-out Magnetic Storage

Mix and match all SSD and magnetic storage with our cloud servers. Want an SSD drive for the OS & magnetic for the data? No problem.



All 10GigE Networking

Easily stream at multiple gigabit speeds from our cloud servers. Avoid network bottlenecks on big data runs, video streams, you name it!



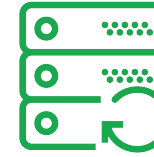
Instant Provisioning

Provision servers, drives, IPs, private networks and pretty much any other resource we offer on the fly without delays.



Hybrid Cloud

Combined features of public and private clouds allow users to connect their private infrastructure directly to our public cloud.



Integrated Backup & Recovery

Enable users to create point-in-time snapshots of their drives which later can be cloned and upgraded to create stand-alone drives



Worldwide Locations

Low latency connectivity. Choose the most appropriate national legal framework under which to run your cloud computing infrastructure.



Partners & Integration

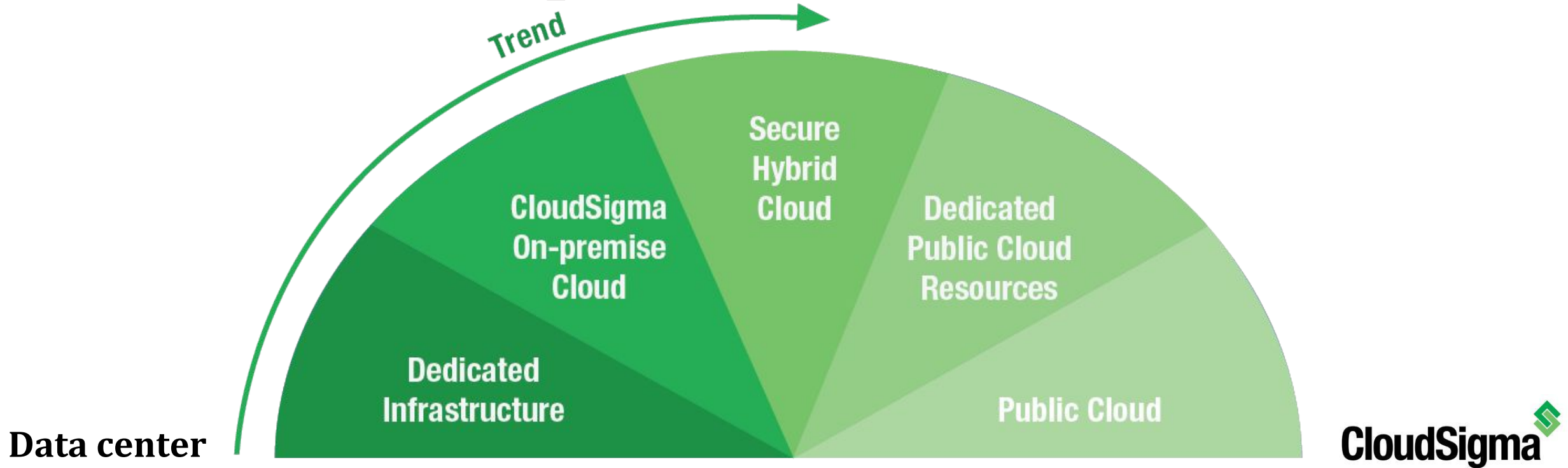
Partnered with large network of Managed Service Providers which allows you to easily manage your cloud servers.



100% Service Level Agreement

100% uptime reference point. x50 times credits against any downtime over 15min. 1ms max latency internally in our clouds!

Full Service Spectrum



Combining our cloud offering with the extensive capabilities of our data center partners, our customers can receive the full spectrum of infrastructure delivery.

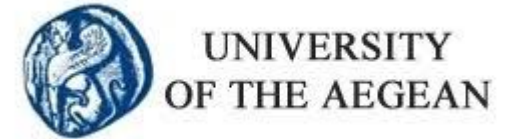


Community Success Stories

Trusted by Industry Leaders...



...and Academic Partners



National Technical
University of Athens



Our Customers About Us

- Neutral and flexible platform
- Higher price-performance ratio through efficient resources purchasing & improved virtual infrastructure configuration
- Excellent customer service & strict SLAs
- Agile and market-driven company culture

"Cloudsigma offered everything we needed to deploy our infrastructure 1:1 to the Cloud without a single change to our application." - Nick Berthet, Picturepark

"Fast networking and top performance are the main reasons for choosing CloudSigma over other providers." - Ricardo Correa, ECMWF

"The support we got during the first few weeks was of great importance for us and helped us easily make our final decision." - Christian Baracchi, EBP

"We were exploring many different possible partners, but none of them was offering a 'No Vendor Lock-In solution' the way CloudSigma does it." - Markus Berner, Bertschi



European Space Agency

A Research Success Story with

The Challenge

ESA needed to deploy a **Cloud Toolbox** service that provides users with **tailored machines** with pre-installed software for development, analysis and processing activities.

The Solution

scalability **elasticity**
customer service **storage performance** **burst prices**

The Change

“With CloudSigma I have the impression that the VM I am working on is installed on my PC. For us CloudSigma is a success story.”

A Networking Success Story with ECMWF

EUROPEAN CENTRE FOR MEDIUM RANGE WEATHER FORECASTS

- The challenge: ECMWF needed to send **large volumes of weather forecast data** to Member States globally **at exact scheduled times**
- During a POC, ECMWF needed to sustain **up to 3Gbps of real application data transfers** from ECMWF to the CloudSigma cloud installation.
- The results as reported by ECMWF are presented below:
 - A single TCP stream from 1 host to 1 VM is approx 500 Mbps
 - Multiple TCP streams from 1 host to 1 VM is approx 2 Gbps
 - Multiple TCP streams from multiple host to 1 VM is approx 3.2 Gbps
 - Multiple TCP streams from multiple host to 1 VM is approx 3.2 Gbps
 - Multiple TCP streams from multiple host to 3 VM is approx 7 Gbps

“With CloudSigma, today we can offer to our Member States something we could not offer before.” -

Ricardo Correa, ECMWF.



CloudSigma & GÉANT Network

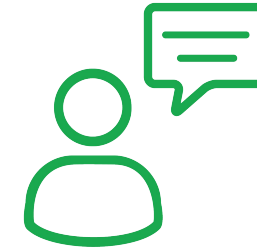
Our Offer to the GÉANT Community

Direct peering to GÉANT



Experience with research workloads

Account management in English and German (French coming soon)



Free migration to and off CloudSigma cloud

SAML2 Authentication

Free POC

Choice between individual or collective invoices

Attractive discounts for long-term commitments



Cross-national, aggregated volume discounts

Offer 1: Research Departments

- Challenge: a combination between predictable ICT capacity and unplanned ad-hoc ICT capacity requirements from various research projects and faculties.
- Solution: CloudSigma offers two purchase models - subscription and pay-as-you-go burst pricing:
 - Subscriptions are the cost-efficient option used for the predictable capacity. Pay-as-you-go burst is applied every 5 minutes allowing for ad-hoc and short-term scalability.
 - Combination between subscription (for permanent workloads) and scalable on-demand cloud resources (for any on-demand research computing needed) is also possible.



Offer 2: Uni Labs

- Challenge: professors need a large number of limited cloud accounts, which the students can use for experiments in their IT/cloud computing classes. The accounts should be limited in capacity to avoid abuse and overbill.
- Solution: CloudSigma already has a similar standard offering - the trials:
 - Via a promo code the students can get an account with the exact amount of resources and a pre-installed OS required by the professor.
 - If a student want to use more resources, he will have to add funds himself, an unexpected overbill is not possible.
 - CloudSigma already works successfully with professors from Sheffield University and Dublin City University based on such a model.





Thank you for your attention!

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