Overview

(1) Made in Switzerland: Cloud Platform Capabilities

(2) CloudSigma Offer for the GÉANT Academic Network
Made in Switzerland

- **Swiss company** founded in 2009, currently with just over 50 employees.

- All virtual drive data uploaded to CloudSigma’s Zurich cloud is stored securely on servers owned and operated by CloudSigma, located in dedicated rackspace, and **under the legal jurisdiction of Switzerland only**.

- A **100% Swiss law infrastructure solution** without exposure to the US patriot act or other legal jurisdictions.

- Coming soon: **second location in Switzerland** for backup and DR purposes (planned for Q4 2017 or Q1 2018).
Delivering value to your business

CLOUDSIGMA
KEY FACTS

- 8 years experience
- 100% SLA
- 1000+ active clients
- 10 locations
- 4000+ active servers
- 26 seconds to create a new server
- 30 seconds to get a response from customer support
Certificates

Security requirements and framework of cloud based telecommunication service environment

ISO 27001

CCM

ISO 27017 Control Standard

ISO/IEC 27017

ITU-T X.1030e Standard

FedRamp 2012 Controls

ITU-T FG SG17 Cloud-I-0485 Requirement Document

Delivering value to your business
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.
Delivering value to your business

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!
Trusted by Industry Leaders...

- esa
- EBP
- Picturepark
- amilo
- CERN
- SIEMENS
- SWISS POST
- DEUTSCHE BÖRSE GROUP
- EMBL
- ECMWF
- cobweb
- BERTSCHI
...and Academic Partners

- Technische Universität Dresden
- Cyprus University of Technology
- Sheffield Hallam University
- University of the Aegean
- University of Westminster
- National Technical University of Athens
- Università degli Studi di Bari Aldo Moro
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
A Swiss Success Story with Picturepark

The Challenge
Digital Asset Management platform in an SQL-Server cluster environment for private shared libraries with ever increasing amount of high resolution media.

The Solution
- scalability
- performance
- burst prices
- seamless migration
- customer service

The Change
“Having one partner for everything, with a choice of locations to be able to be closer to the customers and provide better performance, allow us to be better able to serve customers.”
A Networking Success Story with ECMWF

● 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 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.
Our Offer to the GÉANT Community

- Direct peering to GÉANT
- SAML2 Authentication
- Experience with research workloads
- Account management in English and German (French coming soon)
- Free POC
- Free migration to and off CloudSigma cloud
- Attractive discounts for long-term commitments
- Cross-national, aggregated volume discounts
- Choice between individual or collective invoices
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 wants 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.
Together We Can Do More

Networking services
Identity management
Security services

Disaster-Recovery-as-a-Service
Backup-as-a-Service
Worldwide Locations
Thank you for your attention!

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