CloudSigma's value proposition to GÉANT's community

- Direct peering to GÉANT

- SAML2 Authentication

- eduGAIN compliant

How we help researchers in our cloud

By creating a new server in less than 30 seconds

Low-cost repository available to store any big volumes of research data

Flexible virtual machine setting

GÉANT success stories

CloudSigma involvement with GÉANT (Restena)

RESTENA and CloudSigma collaborated in order to provide cloud services for a post-secondary education course through the GÉANT framework. It was designed to deepen the participants' knowledge in the area of Microsoft Windows ActiveDirectory services and Windows Server administration in general.

"In terms of CloudSigma's performance everybody was very happy. Both the teacher and the students thought that the speed was excellent. Even though we have made the decision to set up the machines with the minimum RAM that a Windows server needs, the performance was still great."

Sheffield Hallam University - Uni lab collaboration

Sheffield University and Cloudsigma cooperated in an initiative with nearly fifty students took part in the cloud computing module. The students were divided into three groups and were given various practical tasks, from VM creation to Apache installation.

"Nearly all of the students found it very easy to provision a VM on CloudSigma. They attached an Ubuntu operating system and then installed and ran Apache2. Overall, the CloudSigma webapp seemed simple, intuitive and straightforward. This was my main reason for choosing CloudSigma", said Dr. Kirby

OCRE voucher project

The Open Clouds for Research Environments project (OCRE), aims to accelerate cloud adoption in the European research community, by bringing together cloud providers, Earth Observation (EO) organisations and the research and education community, through ready-to-use service agreements. CloudSigma was the only cloud provider which successfully fulfilled all GEANT criteria and is currently offering OCRE vouchers to researchers.

"We are delighted that CloudSigma has been selected for the first phase of the OCRE project. We are looking forward to continuing our work with them into the future and helping support research and education across Europe." David Heynes, Manager Cloud Services @ GÉANT

Example deployments

Uni Lab in the Cloud

The 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.

The solution: 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.

Research Workloads in the Cloud

The challenge: A combination between predictable ICT capacity and unplanned ad-hoc ICT capacity requirements from various research projects and faculties.

The 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 is also possible.