

Commercial Service Providers - potential partners for AARC SA1.3

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Introduction

The document contains list of commercial providers that are potential partners for SA1.3 pilot. The initial list is based on Helix Nebula project partners (<http://www.helix-nebula.eu/the-partnership>) and providers connected to Helix Nebula Marketplace Broker (<http://hnx.helix-nebula.eu/broker.html>). These companies are of our interest because:

- they are already involved in public-commercial cooperations
- they are based in Europe
- they are medium-size (big enough to have required potential, small enough to be ready to talk with us).

Helix Nebula is a new, pioneering partnership between big science and big business in Europe that is charting the course towards the sustainable provision of cloud computing - the Science Cloud. The science sector is represented (among others) by CERN, ESA, EMBL.

Helix Nebula Marketplace Broker is a self-registrar and self-provisioning engine, giving its users access to a range of IaaS commercial cloud providers in Europe. The following IaaS providers are currently connected to the platform:

- Atos / Canopy
- DEAC
- ExoScale
- T-Systems
- Ultimum

Commercial Providers

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Canopy/Atos SE



<http://canopy-cloud.com/>

<http://atos.net>

Localization: 9 countries, headquarters in London.

Services: Application Deployment, Mail&Collaboration, MS SharePoint Sync&Share data, Box, SaaS, IaaS in managed/self service private/public cloud, Backup,

Technologies: ClaudSoft, Pivotal, Citrix, Microsoft, ShareFile, Box, SAP, VmWare, EMC2,

Atos SE (Societas europaea) is an international information technology services company with annual 2013 revenue of EUR 8.6 billion and over 76,000 employees in 47 countries. Serving a global client base, it delivers Hi-Tech Transactional Services, Consulting & Technology Services, Systems Integration and Managed Services. Atos' cloud services are delivered by Canopy.

Canopy is a global cloud service provider, powered by Atos, EMC and VMware. Canopy is the European leader in enterprise and government cloud, offering a one-stop-shop for cloud services focussed on cloud delivery to large public and multinational private sector organizations. Canopy offers its customers Infrastructure as a Service + Private Cloud, Platform as a Service, Software as a Service and Consultancy. Canopy's offerings are based on open standards so customers can choose their preferred technology and decide whether to run solutions off- or on-premise to best meet their business needs. Headquartered in London (UK), Canopy currently operates in 9 countries across 3 continents.

CLOUDEO

CLOUDEO

<http://www.cloudeo-ag.com/>

Localization: .Munich (Germany), private cloud

Services: .geo-infrastructure aaS (AaaS + data from different providers),

Technologies: .

CloudEO AG, created in 2012 and based in Munich (Germany), brings data, software and processing power together within a secure and highly scalable Geo-Infrastructure to develop, produce and market geo-services.

Within CloudEO's Geo-Collaboration platform new business models favouring value based pricing and risk and profit sharing are realized. Thus CloudEO is a unique incubation centre for geo-services which contributes to develop a healthy ecosystem among all players within the value adding chain: the data provider, the software developer, the value adder, the service provider and the customers of geo-services.

CloudEO participates in Helix Nebula to supporting and developing further the emerging European Earth Observation industry for commercial and operational services.

CloudSigma AG



<https://www.cloudsigma.com>

Localization: .5 locations, primary one in Zürich, Switzerland

Services: PaaS, SaaS, IaaS, public, private &hybrid.

Technologies: .OpenStack, jclouds, Ubuntu CloudInit, fog.io, Apache Libcloud Driver, Ansible, Abiquo, CloudSigma

CloudSigma AG is a public Infrastructure-as-a-Service (IaaS) provider offering a virtual data center product through a public cloud delivery mechanism. Its primary European location is in Zürich, Switzerland.

CloudSigma has built a transparent and flexible utility style platform and approach which is disrupting the IaaS space. CloudSigma provides completely open software and networking layers allowing customers to run cloud servers with any operating system and full (sole) root control unmodified within its cloud. In the Helix Nebula project, CloudSigma lead activities on requirements.

Cloudwatt



<https://www.cloudwatt.com>

Localization: Val-de-Reuil (France).

Services: IaaS, Object Storage (Swift).

Technologies: OpenStack.

Cloudwatt is a Public Cloud Service Provider offering use cases like calculation and big data to help the Helix-Nebula initiative at the most effective cost. Cloudwatt was created in 2012 (shareholder as of March 2015 : Orange). Cloudwatt is the french public cloud based on Openstack platform with a pay-per-use model, full secured and localized. Its mission is to provide a European alternative to cloud computing offerings, focusing on data localization, security, transparency, monitoring, reversibility, and associated cost.

DataCentred



www.datacentred.co.uk

Localization: .1 datacenter in UK

Services: IaaS public/private/hybrid, Cloud Storage, colocation.

Technologies: .OpenStack, Ceph

DataCentred is a leading provider of next-generation data centre and open-source cloud computing services focusing on clients with big research data sets. We combine colocation with powerful computer processing, advanced storage solutions and excellent network connectivity. Our solutions are based on open-source software which means customers benefit from low cost, data portability and lack of vendor lock-in to proprietary software and architectures. Our Infrastructure-as-a-Service cloud computing solution is based on the leading open-source software Open Stack and our storage platform is built using the secure, infinitely scalable Ceph.

DEAC



<https://www.deac.eu/en/>

Localization: Riga, London, Amsterdam, Frankfurt, Moscow

Services: Virtual Private Server, BackupaaS, DesktopaaS, Microsoft Exchange, Multimedia streaming

Technologies: VmWare, IBM Tivoli Storage Manager,

Today DEAC is a well-known data center operator in Europe. Since opening business on August 9, 1999, we have continuously developed data centers infrastructure and our team's professional capabilities, and, every year significantly extending the variety of services offered, increasing our customers' loyalty. Nowadays, entrusting sensitive data of a business to a service provider means entrusting the whole operation of the business, and the DEAC team appreciates this high level of trust.

The purpose

The main purpose of DEAC is to ensure financial development of our customers by evaluating their business targets, resources and IT needs. The services at DEAC data centers are amongst the most powerful and beneficial business tools for customers, enabling them to focus on their primary activities and delegate IT related matters to DEAC. Read the success stories of DEAC customers here.

Services in place to meet the needs of customers

The service range at DEAC data centers meets both the needs of very small businesses, and specific and complicated requests of large global companies. Customers are provided with a phenomenal business continuity up to 99.995% and stable guarantees of service. The high quality of DEAC services is rooted in data centers that are built in compliance with the highest security standards of the world, fast and redundant data transmission channels and 24/7 support from DEAC IT experts. Find out more about DEAC services here.

Ambitious plans for the future

DEAC aims to become a powerful and competitive data center operator throughout Europe in the next few years. The loyalty of our customers during the last three years has allowed DEAC to achieve a rapid development, which now gives us an opportunity to carry out plans that are even more ambitious. DEAC plans to open two high-capacity data centers in Latvia and Western Europe over the course of the next three years, and several representation offices to be opened for the convenience of foreign customers.

Deutsche Börse Cloud Exchange



DEUTSCHE BÖRSE
CLOUD EXCHANGE

<https://cloud.exchange>

Localization: Eschborn (Germany).

Services: IaaS marketplace.

Technologies: .

The Deutsche Börse Cloud Exchange (DBCE) is a vendor-neutral marketplace for cloud resources. DBCE was founded in May 2013 as a subsidiary of the Deutsche Börse Group and Zimory GmbH. In a predominantly proprietary and supplier-driven cloud market, the exchange of the DBCE provides more balance between supply and demand, along with efficiency in trading of resources. The resulting flexibility enables the players offering and seeking cloud computing to maximize the added value of their deliverables and services.

Exoscale



<https://www.exoscale.ch>

Localization: 3 localizations in Switzerland

Services: IaaS, PaaS, AaaS (MySQL, DNS, Backup), Object Storage, open and managed cloud.

Technologies: CloudStack, Cassandra, Pithos

Akenes SA trading under Exoscale. Exoscale is an established and recognized Swiss player in the Infrastructure as a Service field since 2011. It features: A no-compromise service combining high-performing infrastructure and the flexibility expected from cloud-providers, a one-stop-shop approach combining basic infrastructure building blocks (compute resources, on-demand storage) with a marketplace of infrastructure services to help companies build and deliver faster, a Swiss owned and operated company providing a safe jurisdiction as well as proximity for EMEA customers and an attractive price point and a high degree of flexibility regarding billing approaches.

Exoscale believes that by using its unique API capabilities and fast provisioning response time (less than 30 seconds) it can greatly help the science community behind Helix Nebula. Furthermore, Exoscale also strives to look and support all orchestration and deployment technologies as the HNX marketplace is designed.

Prologue

Prologue.

www.prologue.fr/en/

Localization: Paris, Marseille (France), Spain, Poland, USA, Brasil Uruquay.

Services: Cloud Marketplace (SaaS, DaaS), Cloud Broker (PaaS, IaaS), public/private/hybrid cloud.

Technologies: Amazon Webservices, Azure OpenStack.

Prologue Group is a software editor and service provider in the fields of cloud computing, dematerialization, IP communications, virtualization, and application engineering. Mainly present in France, Spain, and North America, Prologue has a long established history of over 20 years as a supplier of business application development tools and platforms for various market segments (administration, health, finance, real estate, banking...), as well as a significant experience in the development of cloud computing brokerage tools as defined by the NIST reference architecture. Founded in 1986, Prologue has approximately 250 employees world-wide and a world-renowned customer base.

SixSq



<http://sixsq.com/>

Localization: .Geneva (Switzerland), Montréal (Canada)

Services: multicloud management.

Technologies: .SlipStream

SixSq develops and delivers cloud solutions, agile applications and tools. We also deliver software services and consultancy. Our solutions reduce costs in managing software and IT infrastructures. SlipStream, our cloud software integration, test and deployment application allows our customers to release software with confidence, minimize risk and reduce time-to-market. We are core contributors to StratusLab, a simple yet powerful open source IaaS distribution, which is part of our cloud portfolio. SixSq's team members share a passion for excellence and innovation, with dedicated attention to customer needs. We take pride in building long lasting partnerships and collaborations with all of our customers. In Helix Nebula, we contribute to and chair the Tech Arch group. We also provide consultancy in building clouds, using our know-how and technologies.

T- Systems

• T • Systems •

<http://www.t-systems.com>

Localization: Germany .

Services: wide service portfolio.

Technologies: .

T- Systems is Deutsche Telekom's corporate customer arm, serving companies in all industries: automotive telecommunications, the financial sector, retail, services, media, energy, manufacturing industries, government agencies and healthcare. T- Systems is a leading supplier of cloud computing. In the Helix Nebula project, T- Systems is developing suitable governance structures for a public/private partnership for the use of commercial cloud computing resources in Science.

Ultimum Technologies



<http://ultimum.io/>

Localization: . Czech Republic

Services: .colocation, IaaS, public clouds, hosted private, on-site private cloud

Technologies: OpenStack.

Ultimum Technologies s.r.o. is a European provider of OpenStack-powered Infrastructure as a Service for public clouds, hosted private and on-site private cloud solutions in the CEE Region based in Prague, Czech Republic. The company was established in 2010 primarily focusing on Research and Development of analytical software for complex systems simulations. Since then, it has expanded the scope of its activities to the development of Open cloud platforms and services. This vast experience has been exploited in company's offering which comprise the **Ultimum Cloud** and **Ultimum Cloud Platform**.

Ultimum Cloud provides an Infrastructure as a Service Cloud for enterprise customers. It offers highly available and highly scalable compute resources with an emphasis on performance, automation and Open Source technologies and API's. Ultimum Cloud aims at providing standardized cloud technology platform built from the OpenStack projects Nova, Neutron, Glance, Keystone, Swift, Cinder, Horizon and others. OpenStack API's are available to clients to simplify deployments of their workloads. This service is available at <https://ultimum-cloud.com>. The registration is free and available to any who is interested to make the journey to next generation IT.

Ultimum Cloud Platform provides a compact infrastructure cloud ecosystem based on OpenStack to business driven clients or partners who need to transform their current IT into a new-generation platform offering seamless deployment of scalable, agile, highly available compute, storage and networking resources in their own organization. The Ultimum Cloud Platform is also available to those solution providers who decide to provide their customers with the privilege of a new generation IT service.

Ultimum Technologies s.r.o. provides the Ultimum Cloud Platform as its own platform for enterprise customers, solution providers, data centers who operate their own infrastructure. Given innovative, systematic approach and technological know-how is the company able to provide service with the best fit and available components, which include: unified administration, automated solutions, fault tolerance, open-source solutions, stability and user friendly environment. Ultimum Cloud Platform consists of OpenStack Basic Services, OpenStack Shared Services and Ultimum Extensions.