

The Helix Nebula project is partially funded by the European Commission under Grant Agreement 312301



2nd Helix Nebula Workshop on Interoperability among e-Infrastructures and Commercial Clouds

Frascati, 16 January 2013
[Room, address]

Event co-located with the 2nd Helix Nebula General Assembly

Brochure: <http://go.egi.eu/hnws2-brochure>

Online agenda: <http://go.egi.eu/hnws2>

Helix Nebula: <http://www.helix-nebula.eu>

EGI.eu: <http://www.egi.eu>

Twitter hashtag: #hnws2

Feedback Survey - <http://go.egi.eu/hnws2-feedback>



Overview

The EC-funded Helix Nebula project is a step towards a European cloud-based scientific e-Infrastructure composed of resources and services from commercial and publicly owned providers. In September 2012, the first workshop on interoperability was organised in Prague during the EGI Technical Forum week.

The first workshop (<http://go.egi.eu/hnws1>) focused on three thematic areas: 1) Technical interoperability, to understand similarities and differences among the technical choices of Helix Nebula and the EGI Federated Cloud architectures; 2) Networking connectivity, to explore solutions to provide the suitable network connectivity among e-Infrastructures and commercial clouds; 3) Business models and legal aspects, necessary to create a sustainable integration among the two contexts.

This second workshop is structured in two sessions to address in-depth analysis of the technical implementations for the Blue Box and to introduce the topic of service level management for federated infrastructures.

The first session is devoted to the technical interoperability, in particular the Blue Box architecture implementation. The Blue Box is the Helix Nebula Service Enabling Framework, a complex component providing API services and a Web Portal that will enable users to interact in a central and transparent manner with all the Cloud Providers (<http://go.egi.eu/hn-techarch>). A comparative analysis of various solutions for implementing the Blue Box will be presented in order to stimulate discussion to make sure that the technical interoperability requirements from both commercial clouds and e-Infrastructures are well understood and priorities agreed.

The second session aims at identifying the minimal set of requirements for service management needed in a federated infrastructure context and to understand the related requirements for the technical and organizational aspects for Helix Nebula. In collaboration with experts from the FedSM project (<http://www.fedsm.eu/>), this session will help identifying the minimal set of requirements for service management needed in a federated infrastructure context and to understand the implications for the technical and organizational aspects.

A third workshop on interoperability will be organised also in summer 2012. All this work will feed into two main documents: interoperability requirements planned for summer 2013 and interoperability roadmap planned for spring 2014.

Program

<http://go.egi.eu/hnws2>

Technical Interoperability (convener: S. Andreozzi)

10:00-10:10	Introduction and Goals (***** , EGI.eu)
10:10-10:50	A comparative analysis of "Blue Box" solutions (Marc-Elian Bégin, SixSq)
10:50-11:15	Discussion (Moderator: ***** , EGI.eu)
11:15-11:30	Wrap up/conclusions

Service Level Management for Federated Infrastructures (convener: *****)

12:00-12:10	Introduction and Goals (***** , EGI.eu)
12:10-12:30	Service Management in Helix Nebula (ServArch Team member)
12:30-12:50	Minimal requirements for service management in federated infrastructure (Owen Appleton, Emergence Tech Ltd.)
12:40-13:20	Discussion (Moderator: ***** , EGI.eu)
13:20-13:30	Wrap up/conclusions

2nd Helix Nebula Workshop on Interoperability Abstracts & Biographies

A comparative analysis of “Blue Box” solutions (TBD)

Marc-Elian Bégin

Following studies in Mechanical and Aerospace engineering, Marc-Elian worked in the space business for 10 years, in Canada, the UK and Germany. He specialised in real-time system simulation and testbeds development. In 2004 he joined the Grid Deployment Group at CERN, working on projects such as EGEE and ETICS. In 2007 he founded SixSq, an SME based in Geneva, specialised in agile development, cloud technologies and process automation. Marc-Elian is a core contributor to the StratusLab IaaS distribution, as well as SlipStream, a cloud system provisioning and image factory engine. He also chairs the Technology and Architecture Group in the Helix Nebula collaboration. His latest passions include the Clojure programming language; building cloud based vertical applications and helping teams embrace agile practices and tooling.

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2nd Helix Nebula Workshop on Interoperability

Minimal requirements for service management in federated infrastructure (TBD)

Owen Appleton

Owen Appleton began in the life sciences before moving into management, communication, exploitation and policy issues around science and technology. He has worked in a range of roles, from PR to journalism and communications strategy, as well as working on entrepreneurial projects, at CERN and on numerous EC funded research initiatives. More recently Owen has been dealing with service management issues around large-scale federated infrastructures. He is ITIL certified and has played prominent roles in the gSLM and FedSM projects as well as providing service management consultancy to infrastructure providers and working with IT management training organisations.