

Simplicity Control Freedom

Follow a simple installation procedure to use StratusLab with your existing hardware to create a cloud.

Keep it private, or allow secure access with X.509 grid-compatible access control.

Control and monitor your infrastructure-as-a-service cloud designed to run grid services and other demanding applications.

Freely manage and customize virtual computing environments for your complex applications.

For a StratusLab test drive, email support@stratuslab.eu to request an account on our cloud infrastructure.

www.stratuslab.eu

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www.stratuslab.eu



Enhancing Grid
Infrastructure
with Virtualization
and Cloud
technologies
Open Source
Cloud
distribution

www.stratuslab.eu



Grids support **sharing resources** and expertise through VOs, and offer a uniform **security** model. However, developing and running applications on a grid can be complex.

Clouds allow **dynamic allocation** of resources through **simple interfaces** and support **complete customization** of the application environment.



StratusLab draws on the strengths of both **grid** and **cloud** technologies to offer a cloud solution that meets the needs of computational researchers and systems administrators.

“French **bioinformatics** platforms are planning to use **StratusLab** to help the deployment of their site inside our national grid infrastructure. This will also allow them to use the **flexibility and elasticity** of the cloud to provide bioinformaticians and biologists with a **simple** way to access the services and applications needed to analyse the massive biological datasets normal in modern research.”

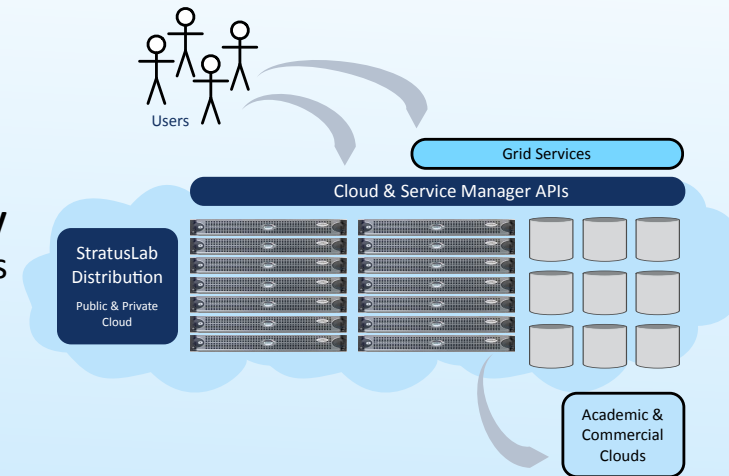
– Christophe Blanchet

Institut de Biologie et Chimie des Protéines, CNRS, France



Features

- Full **production-ready** cloud distribution
- **OpenNebula** virtual infrastructure manager
- Claudia platform service management for **dynamic service provisioning and scalability**
- **Marketplace** which allows user communities to create, find and share **customised virtual machine images**. Starter images with common OS's are available as well as grid and bioinformatics appliances
- **Persistent storage** allowing users to create and access disk-like storage areas on remote cloud storage resources
- Sophisticated **web-monitoring** tool
- Easy-to-use **command-line tools** for users and system administrators, tested on **Linux, Mac OS X and Windows**
- Supports **cloud authentication via X.509** grid certificates
- Manual and **Quattor** installation options



os	os-version	arch	email	date
ttlinux	9.7	i486	airaj@lal.in2p3.fr	2011-07-25T11:55:38Z
ttlinux	9.3	i686	jane.tester@example.org	2011-09-12T09:58:55Z
ttlinux	9.10	i486	adrian.colesa@cs.utcluj.ro	2011-08-08T20:51:05Z
ttlinux		i686	m.memom@fz-juelich.de	2011-07-22T15:10:44Z

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