

laaS Cloud Distribution

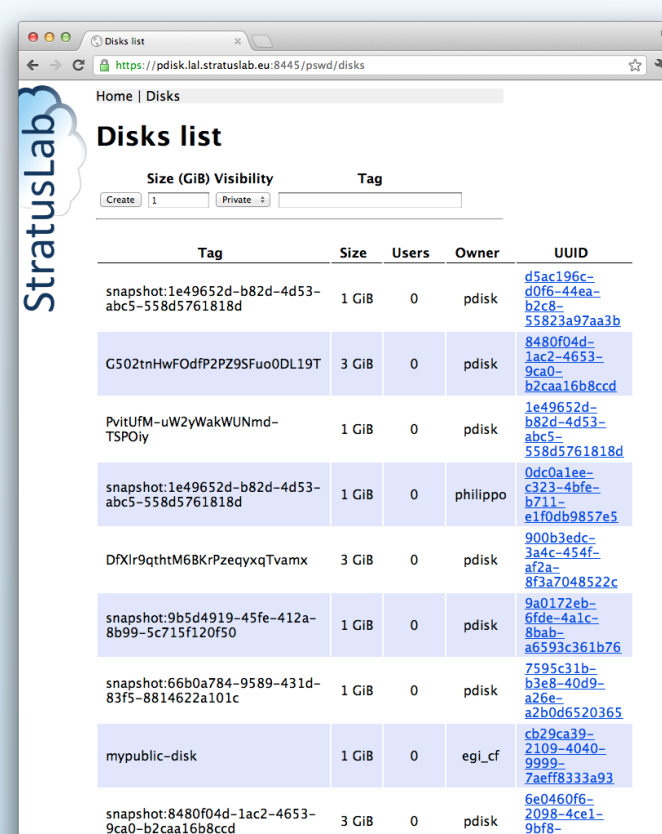
StratusLab provides a complete, open-source Infrastructure-as-a-Service (IaaS) cloud distribution.

The compute, storage, and networking services are well integrated, making the distribution easy to install and to use. Running grid services over the StratusLab cloud validates its production quality.

Storage Services

Storage is managed as "disks" and is easy to allocate, attach, and detach from machines via the command line client or the web interface.

- **Persistent** R/W data **storage**
- **R/O disk images** for data distribution
- **Volatile storage** for temporary data



Tag	Size (GiB)	Visibility	Tag	Size (GiB)	Users	Owner	UUID
snapshot-1495522-8824-4653-abc5-5585761818d	1 GiB	0	pdisk				d5ac196c-090e-5585-5585761818d
C502nmwG0P2P23FuoDL197	3 GiB	0	pdisk				84809d4e-34c5-8635-8635761818d
PythUM-uWYwWuWUhd-TSP0Y	1 GiB	0	pdisk				1459522e-850c-4653-4653761818d
snapshot-1495522-8824-4653-abc5-5585761818d	1 GiB	0	pdisk				06c0a1e2-4331-509e-4331761818d
DN0rqnM8KfPenzagTumx	1 GiB	0	pdisk				500334d6-34c5-8635-8635761818d
snapshot-98504918-455e-412a-8090-54751212050	1 GiB	0	pdisk				9601724b-800e-844c-844c761818d
snapshot-6680a78e-9589-431d-8375-86146212050	1 GiB	0	pdisk				7359213b-5348-4029-4029761818d
mypublic-disk	1 GiB	0	egi_cf				42006020365-02006020365-2109-4040-4040761818d
snapshot-84809d4e-1ac2-4653-8635-5585761818d	1 GiB	0	pdisk				6e06505e-2078-4041-4041761818d

Networking

You can **request public, local, or private IP addresses** for your machines, depending on your needs. External, dynamic firewalling and VLANs will appear in future releases.

Security

- Flexible authentication mechanisms: **username and password** pairs or **X509 (grid) credentials**. Both defined in cfg. files or LDAP.
- **Quarantine** of stopped images for forensic analysis (if necessary).
- Authorization of **virtual machines via admin-defined policies** using Marketplace metadata.

Compute Services

OpenNebula 3.0 lies at the heart of the StratusLab virtual machine management.

Define the CPU, memory, and disk **resources that you need** for your machines and **control their lifecycle**.

OpenNebula.org
The Open Source Toolkit for Cloud Computing

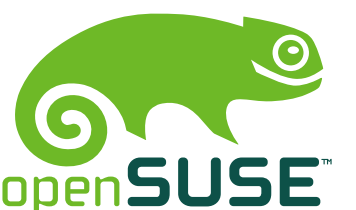
Service Management

Claudia allows multi-machine systems (a "service") to be defined through OVF and deployed as a group. It also **allows auto-scaling of resources** to accommodate increases and decreases of the service load.

Image Mgt.

The **Marketplace** is at the **center of the image handling** mechanisms of **StratusLab**. Browse it and find the machine images you want to run.

The project provides **prepared machine images for many common operating systems** as well as some grid appliances.



Use the Cloud!

Ask for an account at support@stratuslab.eu, then **install the StratusLab client**. It's as easy as that!

The client requires only Python 2.6+ and Java 1.6; it runs on Linux, Mac OSX and Windows. **Follow the "Get Started" link** to find the latest version and to download it.

Install Your Own Cloud!

Interesting in running your own private or public cloud? **StratusLab is easily installed** via a script-assisted manual installation or automatically via Quattor.

Yum repositories exist for Fedora 14, OpenSUSE 12, and CentOS 6. **Follow the "Install Cloud" link** to find the repositories and installation instructions.



StratusLab 1.4 Available
Visit <http://stratuslab.eu!>

The screenshot shows the StratusLab website with a navigation bar (Home, Install, Support, Documentation, Roadmap, News, About) and a main content area. A yellow callout bubble is overlaid on the page, containing the text 'StratusLab 1.4 Available Visit http://stratuslab.eu!'. The website content includes a header 'Enhancing Grid Infrastructures with Virtualization and Cloud Technologies', a sub-header 'Deploy distributed computing infrastructures with a purpose-built open-source cloud distribution', and a 'Project News' section titled 'StratusLab version 1.4 released'. The 'Project News' section mentions the release of StratusLab version 1.4 and lists key features: bug-fixes and enhancements, introduction of support for OpenSUSE 12.1 and CentOS 6.2, and support for new cloud management standards. It also includes 'Important notes for upgrading' and a 'Get Started with StratusLab v1.4' section.