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

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 💆 Tago Mark 1824-465 and 5 SEASTRELEINE distribution
- Volatile storage for temporary

Networking

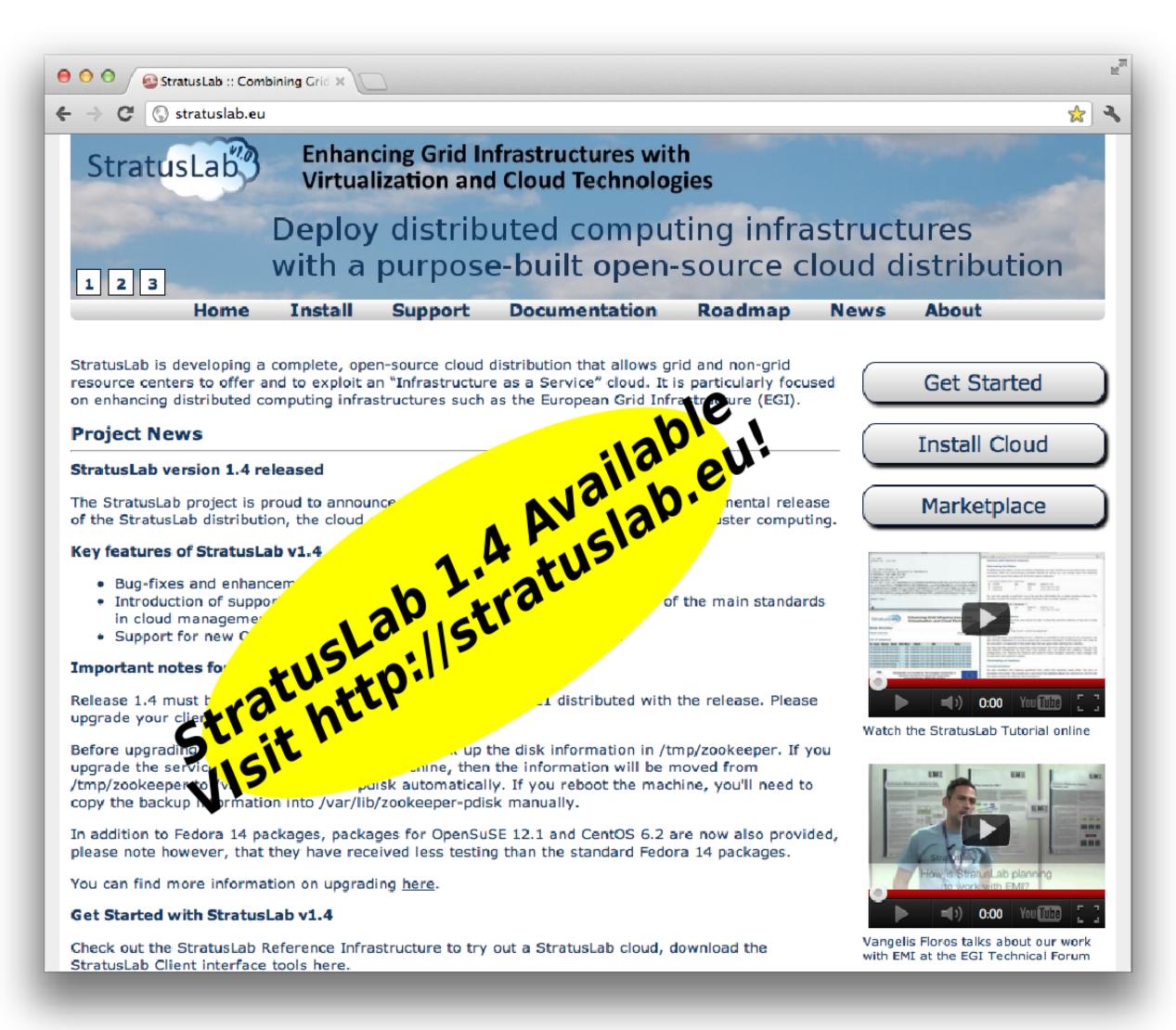
You can request public, local, or private IP addresses for your machines, depending on your needs. External, dynamic firewalling and VLANs will

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



Compute Services

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

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

Service Management

Claudia allows multi-machine systems (a "service") to be defined through OVF and deployed as a group. It also allows autoscaling of resources to accommodate

Image Mgt.



The **Marketplace** is at the **center of** the image handling mechanites to StratusLab. Browse it and find the machine images you want to**լլվուլ ը**[ը

The project provides *prepared*ttylinux 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













