

# Darn Simple Cloud

*StratusLab is an  
open community.*

*Join and contribute!*

simple to install

**Transform your cluster or  
data centre into a IaaS cloud.**

- ◆ Provides more **flexible management** of your services
- ◆ Easily provide users with **customised environments**
- ◆ Obtain **higher availability** with less effort

simple to use

**Access the cloud easily from  
your laptop or workstation.**

- ◆ **Simple installation** of the python-based client
- ◆ Find numerous **quality appliances** in the Marketplace
- ◆ Easily create **appliances with your software** pre-installed and configured

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Simple interfaces and tools for dynamic allocation of customised cloud resources.

◆ Full production-ready cloud distribution with easy, guided installation that works well on commodity hardware.

◆ Federated appliance registry and tools that allow users to create, find and share customised virtual machine images between clouds.

◆ Quality virtual machine images for common operating systems as well as scientific applications.

◆ Easy-to-use client tools for users and system administrators, tested on Linux, Mac OS X and Windows.

## features

### image management

Fully federated mechanism for sharing appliances (and data!) between users and between clouds. Allows appliances to be endorsed so that they can be trusted by users and administrators. Complete security framework for validating downloaded images and for applying cloud administrator authorisation policies.

### roadmap

StratusLab provides new releases every 3 months with both bug fixes and new features.

Upcoming features:

- ◆ Libcloud python API driver
- ◆ CIMI standard cloud service interfaces
- ◆ Improved robustness at higher scales

### compute

Fast provisioning of virtual machines with low latency startup. Cloudinit run-time configuration of virtual machines. CentOS, Ubuntu, and many other appliances ready for use.

### storage

Users can create one or many persistent volumes for their data. Dynamically attach data volumes to virtual machine instances. Volatile storage for high-bandwidth IO for temporary data.

### network

Integrates with and uses with standard network services, like DHCP. Does not require full, dynamic control of networking switches. Supports both IPv4 and IPv6 addressing for virtual machines.