

## Client Installation

ACGRID-III (Hanoi)

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## Reference Cloud Infrastructure

- Allow users to test a StratusLab cloud without having to install one
- Ask for real account via [support@stratuslab.eu](mailto:support@stratuslab.eu)
- Or soon, via the Registration Service...

## In this tutorial we will be using:

- Endpoint: `cloud-lal.stratuslab.eu`
- Your username and password.

**Client allows remote access and control of VMs in cloud.**

**Client has minimal prerequisites:**

- Python 2.6+ (but not Python 3.x)
- Java 1.6+ (for metadata signatures/validation)
- SSH client with user keypair
- Certificate (grid is OK) for signing image metadata entries

**Support for multiple platforms:**

- Fedora 14(tarball and RPM package)
- Other linux systems (tarball)
- Mac OSX (tarball)
- Windows (tarball)

## Install client via OS-independent tarball/zip:

- Create the directory: `$HOME/stratuslab`
- Follow links from “Get Started” button on <http://stratuslab.eu/>
- Download the tarball (stratuslab-cli-user-zip-\*.tar.gz|\*.zip)
- Untar the tarball there: `tar zxf mytarball $HOME/stratuslab`

## Configure path variables:

- Define: `PATH=$HOME/stratuslab/bin:$PATH`
- Define: `PYTHONPATH=$HOME/stratuslab/lib/stratuslab/python`
- Test: `stratus-run-instance --help`

**Adjust for other OSes/packages/shells as necessary.**

## Ensure that you have an SSH keypair:

- Generate: `ssh-keygen`

## StratusLab client configuration:

- Create the directory: `$HOME/.stratuslab`
- `cp $HOME/stratuslab/conf/stratuslab-user.cfg.ref ~/.stratuslab/stratuslab-user.cfg`
- Edit `~/.stratuslab/stratuslab-user.cfg`:
  - `endpoint = cloud-lal.stratuslab.eu`
  - `username = XX`
  - `password = XX`
  - `key = $HOME/.ssh/id_rsa.pub`

# Test Client Configuration



**Run a command to list your VMs on the infrastructure.**

- Run: `stratus-describe-instance`
- If working:

```
$ stratus-describe-instance  
id state vcpu memory cpu% ip name
```

**If not working, ask a StratusLab person for help!**

# Questions and Discussion

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