

# Cloud

## General Information

### Students

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### Meeting Time

- Mondays at 6pm

### Scope

We want to investigate possible interfaces to a cloud hosting platform such as Amazon EC2 or Rackspace. For example, if Systems does not have the capacity to host VMs and there is a request from a class for 30 VMs, should be done easily and painlessly on an outside platform.

### Roadmap

Fall 2011	Goal
Late October	Choose a cloud host and find possible provisioning interfaces
Mid November	Choose a semi-public provisioning interface and set it up
December	Have a demo-able interface and be able to present

### Project Goal

#### Fall 2011

We would like a working interface between us and a cloud hosting provider in order to facilitate the needs of Systems and faculty. In the event that the College's current resources are not enough to meet the demand, we would have to move some services to a cloud host. For example, if we need to double the amount of VMs a class needs and we don't have enough VMWare servers, we would like to redirect services to a service such as Amazon EC2.

#### Written Component

We will have some type of written analysis/guide of our recommendation. This will include why we chose this cloud solution and how we set it up.

#### Possible cloud interfaces

- [Apache Whirr](#)

#### Possible cloud hosts

- Amazon EC2
- ~~Rackpace~~ They do not support private VLANs so we will use EC2

## Meeting Minutes

### October 24th, 2011

We worked on starting a virtual private cloud on EC2. Documentation used: <http://docs.amazonwebservices.com/AmazonVPC/latest/GettingStartedGuide/>

This is where all inbound traffic goes:  
GatewayServer: 10.0.0.0/16

The only way into the InnerCloud (10.0.1.0/16) is to ssh into GatewayServer and then ssh into a VM in the inner cloud.

### IRC

#cloud