Chef – Getting Started

Installing Chef

Go to: http://www.opscode.com/chef/install

- Add /opt/chef/embedded/bin to you path:

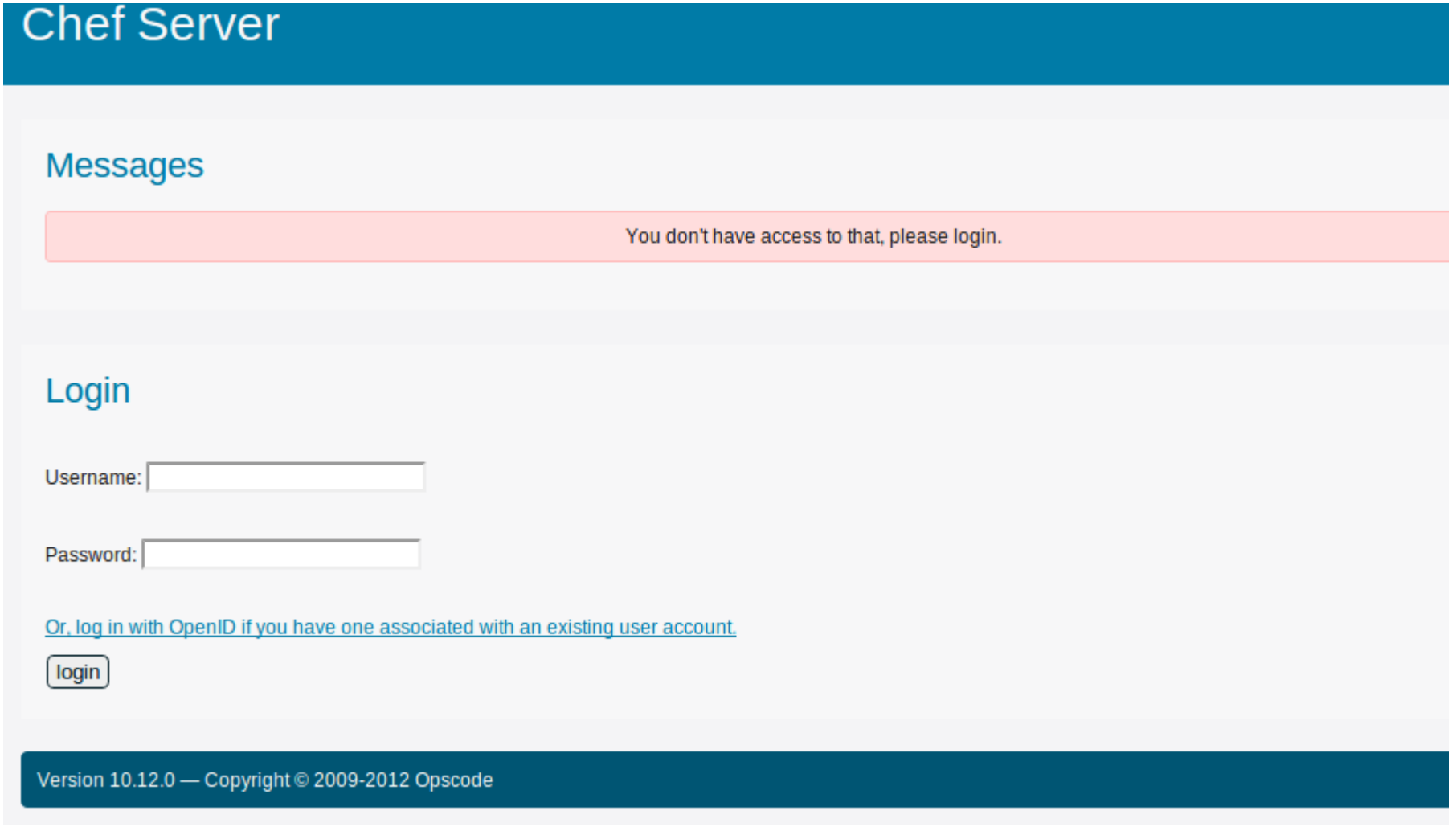
  Linux/Unix:

  export PATH=$PATH:/opt/chef/embedded/bin

  Windows:

Chef web-ui

Go to: <server_ip>:4040



Configure Knife

Create a .chef directory in your home directory.

Linux:

mkdir ~/.chef

windows:

mkdir C:\Users\<your_username>\.chef

Grab the sample knife config file from my public github repo:

https://github.com/jwitrick/training/zipball/master

Lets Look at knife

Knife is a tool for managing communication with chef-server.

Run the command 'knife'

Those are the built in functions that knife comes with for managing your chef-server.

Example knife.rb file

```
current_dir = File.dirname(__FILE__)
log_level                :info
log_location             STDOUT
node_name                "jwitrick-laptop"
client_key               "#{current_dir}/jwitrick-laptop.pem"
validation_client_name   "chef-validator"
validation_key           "#{current_dir}/validation.pem"
chef_server_url          "http://108.166.114.173:4000"
cache_type               'BasicFile'
cache_options( :path => "#{ENV['HOME']}/.chef/checksums" )
cookbook_path            ["#{current_dir}/../cookbooks"]
knife[:flavor] = 'm1.small'
knife[:image] = 'ami-3c994355'
knife[:distro] = 'chef-full'
```

Ensure functionality

Lets verify the functionality of chef.

Connect to the chef-server and get a list of all clients.

```
knife client list
```

Connect node to server

Objective: To successfully connect the a new node to the chef server.

Bootstrapping node

knife bootstrap <ip_address_client> --sudo -x centos -P cheftraining -d chef-full

QUESTIONS