# Prerequisites

In Cisco’s UCS Manager, it will be necessary to create 2 server profiles at the root level. They are susecloud-compute and susecloud-storage. These names are case sensitive.

**susecloudcompute**

* To be used for preparing systems as compute nodes for SUSE Cloud
* Minimum Requirements
  + 20GB Storage
  + 8GB RAM
  + 1 NIC
  + Processor supporting AMD-V or Intel-VT

**susecloudstorage**

There are 3 types of available storage, swift, nova and ceph.

A user account must be created with administrative rights in the Cisco UCS Manager to be used the the UCS plugin.

# Installation

Copy the views/servers folder to /opt/dell/crowbar\_framework/app/views/

* edit.html.erb
* index.html.erb

Copy ucs\_controller.rb to /opt/dell/crowbar\_framework/app/controllers/

Copy ucs.rb to /opt/dell/crowbar\_framework/app/models/

**Edit /opt/dell/crow\_framework/config/routes.rb**

Make the following modification:

ActionController::Routing::Routes.draw do |map|

map.root :controller => "nodes", :action=>'index'

# UCS Plugin

map.resources :ucs

map.ucs\_login 'servers/login', :controller => 'ucs', :action => 'login'

map.ucs\_update 'servers/:id', :controller => 'ucs', :action => 'update', :conditions => { :method => :post}

# End UCS Plugin

**Edit /opt/dell/crowbar\_framework/config/routes\_r3.rb**

Make the following modification:

Crowbar::Application.routes.draw do

# UCS Plugin

resources :ucs

match 'ucs/login' => "ucs#login"

match 'ucs/:id' => 'ucs#update', :via => :post

# End UCS Plugin

**Edit /opt/dell/crowbar\_framework/config/navigation.rb**

Make the following modification:

navigation.items do |primary|

# UCS Plugin

primary.item :ucs\_servers, 'UCS', ucs\_path do |secondary|

secondary.item :ucs\_servers\_dash, 'Dashboard', ucs\_path

secondary.item :ucs\_updateLogin, 'Settings', "/ucs?updateLogin=1"

end

# End UCS Plugin

# Configuration

Restart the SUSE Cloud admin service for crowbar with the following command

*service crowbar restart*

Log in to the crowbar admin interface <http://yourhost:3000>

There should now be a tab labeled UCS

Click the UCS tab, the settings screen will be opened where the following information needs to be entered.

URL – This should have the form of: <http://ucsmanagerhost/nuova>

Username & Password – credentials configured in the UCS Manager that have access to the susecloud templates and are able to create service profiles in the root and associate them with physical hardware.

# Usage

Click the UCS tab in the crowbar admin interface.

Identify the servers to be used for compute or storage, select the servers, select the action and click the update button. This action may take many minutes to fully complete.

To refresh the screen, click the UCS tab (or Dashboard sub-menu item).

# Troubleshooting

All troubleshooting should be done within the Cisco UCS Manager interface.