

# **Weekly Report for Week Ending 02/08/2013**

## **IBM - OpenStack**

Justin Anderson, John Nagel, Cesar Ramirez, John Rensberger

### **Status Summary**

This week we changed repositories from SVN to Git and have it fully working within Trac. We also completed our specifications document and had it approved by IBM. However, the document is likely to be revised as some of our requirements are going to be changing to align more closely with our mentor's goals. We've now had three meetings with IBM and our primary mentor has been unable to attend all of the meetings. He is hoping that next week he can attend and will go over more definitive and achievable goals with us. We sent out an email on Monday to the department faculty and staff to find their interest in OpenStack. We've already had one meeting with Dr. Simone Ludwig and have started discussing different storage capabilities of the cloud. We also obtained some more physical hardware from the department to be used as a test environment.

### **Top Highlights**

- Completed the Requirement Specification document.
- Obtained physical hardware for building a test environment.

### **Top Lowlights**

- Our mentor was once again in meetings this week and was unable to meet with us.

### **Accomplishments vs. Plan**

- Accomplishment - Switched Repository to Git
  - Owner: Cesar
  - Status: Complete, the switch was made last weekend and everyone has been committing to it already.

- Accomplishment - Completed Requirements Specifications
  - Owner: Team
  - Status: Complete
- Accomplishment - Tested DevStack
  - Owner: John and Team
  - Status: Complete, we installed DevStack to demonstrate OpenStack in our class presentation. John set it up on one of his VMs and we were able to configure two OpenStack VMs. This gave us an idea as to how robust installation scripts can be and what basic functionality is like.
- Accomplishment - Project Presentation
  - Owner: Team
  - Status: Complete
- Accomplishment - Contact faculty about utilizing OpenStack in research projects
  - Owner: Team
  - Status: Ongoing. An email was sent to the department faculty on Monday, and so far we have received two responses. We were able to meet with several faculty and plan to meet with several more next week.
- Plan - Continue faculty outreach
  - Owner: Team
  - Status: Ongoing
- Get a working OpenStack instance running
  - Owner: Team
  - Status: Cesar is building a cloud on VMs of his own hardware and is working on a script similar to DevStack that he has on GitHub. John also has his own VMs that he's planning to get a test environment running on within the next week.

## Goals for Next Week

- Complete High-Level Document
  - Owner: Team
- Continue faculty outreach
  - Owner: Team

## Risks

ID#	Status	Risk	Owner	Probability / Priority	Impact	Trigger	Recommendation / Resolution
R001	Incomplete	Unable to complete design document	Team	100%/Medium	Will set back our progress	Decision with team and mentors during next meeting	Waiting for direction from mentor

## Issues

ID#	RID#	Status	Issue	Owner	Due Date	Impact	Recommendation / Resolution
NA	NA	NA	NA	NA	NA	NA	NA

Last week's issue was resolved and no new issues have come up, more will likely become apparent next week after our meeting with our mentor.