

Weekly Report for Week Ending 2/12/2016

IBM-Kubernetes Proof of Concept

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Status Summary

- Deployed a Kubernetes cluster to the IBM virtual machines
- Held weekly meeting with mentor
- Installed firewall on the IBM virtual machines
- Began to deploy our first microprogram

Top Highlights

- Installed Kubernetes and began using it on the IBM virtual machines

Top Lowlights

- Kubernetes documentation on installing was incomplete/inaccurate
- The firewall appears to be blocking our microprogram from working

Accomplishments vs. Plan

- Plan - Gain a better understanding on containers and how they work in Kubernetes
 - Owner: all team members
 - (status – all team members have performed some research)
- Plan - Install Docker on the VMs provided by IBM and connect to them using ssh
 - Owner:all team members
 - (status - completed)
- Plan - Deploy a cluster on the VMs and set up a container
 - Owner:all team members
 - (status - completed)
- Plan - Prepare to demonstrate Kubernetes and some possible example containers inside IBM provided VM's in the mentor meeting Wednesday
 - Owner:all team members

- (status - postponed to next week due to firewall difficulties)
- Plan - Create a Github repository to use instead of SVN per request from IBM for code and documents
 - Owner:all team members
 - (status - completed)
- Plan - Prepare to present in front of class our current project progress on Tuesday Feb. 16
 - Owner:all team members
 - (status - preparation continues, on track to finish before presentation is due)

Goals for Next Week

- Configure firewall to allow microprogram to connect to non-local machines
 - Owner: all team members
- Discuss options for further microprograms to deploy next
 - Owner: all team members
- Prepare to demonstrate Kubernetes and some possible example containers inside IBM provided VM's in the mentor meeting next Wednesday
 - Owner: all team members
- Prepare to present in front of class our current project progress on Tuesday Feb. 16
 - Owner: all team members

Risks

<u>ID#</u>	<u>Status</u>	<u>Risk</u>	<u>Owner</u>	<u>Probability / Priority</u>	<u>Impact</u>	<u>Trigger</u>	<u>Recommendation / Resolution</u>
R001	Resolved	Computers may not be available for some time to set up cluster	Team	10% / High	Might cause a bottleneck in overall project	As soon as possible	Will remind mentor/sponsor of need if not contacted by next scheduled meeting. Work on our own hardware for now./Sponsor has

[illegible]

is appearing														
Project training program is progressing according to plan	1	1	1											
Relationships with support groups appear to have no identifiable issues	ok	ok		ok										

Note 1: Not currently relevant.