

Weekly Report

Date: 10/13/2014



EE491

Group Number and Name	Dec14-07 PowerCyber Testbed
Client/Advisor	Manimaran Govindarasu
Attendees/Role	Derek Augustyn-Team Leader (EE) Adam Daniel-Webmaster (CprE) Yehoshua Meyer-Key idea holder & CprE Team Lead Justin Noronha-EE Team Lead Kanghee Lee-Idea holder (EE) Brian Forsberg-Idea holder(CprE)

Past weeks accomplishments

What was done, who did it, and when it was done

- ❖ EE team continues learning about LabView and supporting equipment.
- ❖ Work continues on myGrid board demo (version 1). Looking to bypass DAQ and use RIO.
- ❖ Emailed NI support about current issues.
- ❖ Virtual machines installed.
- ❖ We have two more of the ISEAGE images uploaded and about set up.
- ❖ Set weekly milestones for the rest of the semester.

Plan for current week

What to do, who, and when should it be done

- ❖ Work on myDAQ and myRIO connectivity. (explore use of just RIO)
- ❖ Run basic ISEAGE scenario.
- ❖ Trouble shoot server crashing issue.
- ❖ Fix driver issues.
- ❖ Finish installing the last two images.
- ❖ Get a minimal useful subset.

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Pending Issues

- ❖ Not too familiar with National Instruments equipment or software, but are learning.
- ❖ lab machines are getting a lot of driver issues that we have not figured out how to fix.
- ❖ Hostd on the esxi crashes after the server has been on for about 10 min, which makes connecting to the server not possible. Went through vmware trouble shooting guides with no progress. Continuing to work on it.

ID	Task Name	Start	Finish	Duration	Oct 2014				Nov 2014				Dec 2014					
					10/5	10/12	10/19	10/26	11/2	11/9	11/16	11/23	11/30	12/7	12/14			
1	Have myDAQ and myRIO talking	10/6/2014	10/17/2014	2w	[Green bar from 10/6 to 10/17]													
2	myDAQ to myGrid interface (I/O)	10/20/2014	10/31/2014	2w	[Green bar from 10/20 to 10/31]													
3	Read/write data from RIO to DAQ	11/3/2014	11/14/2014	2w	[Green bar from 11/3 to 11/14]													
4	Communication with control center	11/17/2014	11/28/2014	2w	[Green bar from 11/17 to 11/28]													
5	Final Integration, presentation, poster, demo	12/1/2014	12/12/2014	2w	[Green bar from 12/1 to 12/12]													

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					10/5	10/12	10/19	10/26	11/2	11/9	11/16	11/23	11/30	12/7				
1	Install ISERink Images	10/6/2014	10/17/2014	2w	[Grey bar from 10/6 to 10/17]													
2	Connect ISERink Images with Lab Images	10/20/2014	10/31/2014	2w	[Grey bar from 10/20 to 10/31]													
3	POC Working	11/3/2014	11/14/2014	2w	[Grey bar from 11/3 to 11/14]													
4	Connect NI with ISERink	11/17/2014	11/28/2014	2w	[Grey bar from 11/17 to 11/28]													
5	Design Scenarios	12/1/2014	12/12/2014	2w	[Grey bar from 12/1 to 12/12]													