

EE / Cpre / SE 492 - sdmay 36

Self Healing 5-G

Week 3 Report

Feb 23 - Mar 1

Faculty Advisor: Mohamed Selim

Team Members:

Matthew Johnson

Adam Tiedeman

Parnumart Hanthiradej (Nick)

Amber Chin

Yuin-Choon Ng (Austin)

Weekly summary

We met up to further work on the ORBIT platform. We started the process of replicating our GENI experiment onto ORBIT by using the github found last week as reference. Also, attempted to write and successfully run some simple programs on ORBIT.

Past Week Accomplishments

GENI onto ORBIT - (Entire Group)

- Began work on porting GENI experiment to ORBIT
- Experimented with routing tables on ORBIT devices
- Tested to make sure ORBIT machines behave as expected with default system configuration

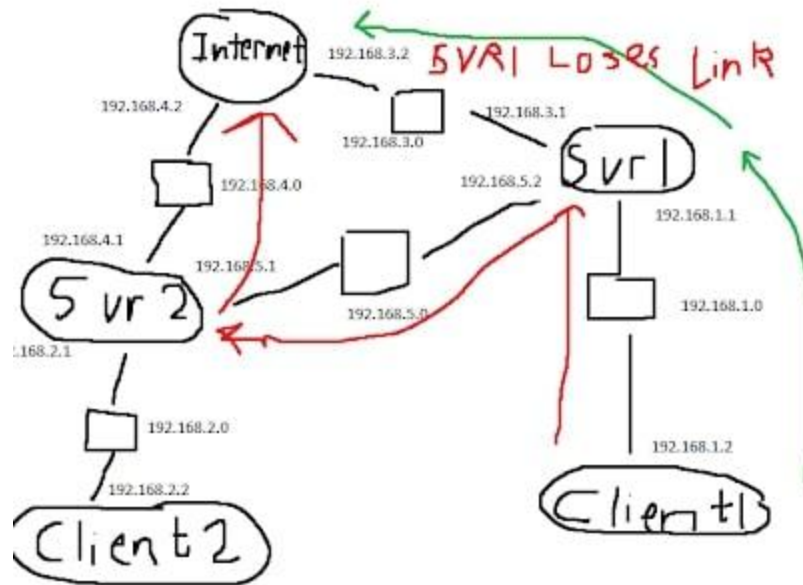


Diagram of the GENI/ORBIT experiment

Pending Issues

Orbit experiment still not functioning as expected(nodes will refuse to connect occasionally)

ORBIT machines may be connecting through wired means rather than wireless

Individual Contributions

Adam Tiedeman : Read through github and worked on porting GENI experiment to ORBIT

Parnumart Hanthiradej : Read through github and worked on porting GENI to ORBIT

Yuin Choon Ng : Read through github and worked on porting GENI to ORBIT

Amber Chin : Ported GENI script to ORBIT, worked on testing nodes

Matthew Johnson : Ported GENI script to ORBIT, worked on testing nodes

<u>Team Member</u>	<u>Contribution</u>	<u>Weekly hours</u>	<u>Total Hours</u>
Adam Tiedeman	Read through github and worked on porting GENI experiment to ORBIT	5	17.5
Amber Chin	Ported GENI script to ORBIT, worked on testing nodes	6	18
Matthew Johnson	Ported GENI script to ORBIT, worked on testing nodes	6	19
Parnumart Hanthiradej	Read through github and worked on porting GENI to ORBIT	5	17.5
Yuin-Choon Ng	Ported GENI script to ORBIT, worked on testing nodes	6	17

*Counted total hours for only this semester

Plan for coming week

- Continue to work on expanding our ORBIT capabilities
- Complete our presentation for class, most likely this presentation will heavily reference what we presented on for our faculty presentation in semester 1 (Entire Group)