sdmay18-15: Building wireless lab space on a college campus
Bi-Weekly Report 5
March 9th - March 23rd

Team Members
Alec Sauerbrei — *Curriculum Lead*
Colin Ward — *Communications Manager*
Hope Scheffert — *Documentation Manager*
Omar Taylor — *Software Design Lead*
Tyler Much — *Physical Design Lead*
Dalton Handel — *Networking Lead*

Summary of Progress this Report

Despite the reduced time worked due to spring break, the team was able to finish setting up the server and setting up the various VMs for the SDR. Now that these have been completed, the team can move forward with assembling all the components in the faraday cage and configuring the server with them.

Pending Issues

The faraday cage is still leaking a substantial amount of signal. Tyler has consulted with EM experts at Rockwell and has concluded that a copper spray solution will more than likely solve the team's problems with the aluminum foil.

Plans for Upcoming Reporting Period

The team will be assembling the final iteration of the cage and testing it as extensively as possible. The team will also be configuring the server so that the components are accessible from inside the cage.

Individual Contributions

Team Member	Contribution	Week 1 Hours	Week 2 Hours	Total Hours
Alec Sauerbrei	Started setting up hackazon more and trying to download and install all the dependencies that it entailed and a lot of research into why it needs what to run, then also helped the team with setting up the server.	.5	3.5	29.5

Colin Ward	Worked on the cell signal curriculum, including the text message and call interception labs. Started the PIRM presentation materials for next week.	1	3	32
Hope Scheffert	Researched more for GSM traffic sniffing. Started writing the SMS interception lab. Spoke to Alec about why POODLE lab wasn't working so had to downgrade FireFox to allow using SSL.	2	3	31
Omar Taylor	This past two weeks I had spent more time researching about the types of cellular attacks that might be possible for us.	2	1	32
Tyler Much	Tested the box with various different materials. Consulted industry professionals about EM shielding. Got some recommendations. Prepared a new order sheet of materials. wiped ESXI installation from the server. Downloaded and installed latest version 6.5.0	2	4	29
Dalton Handel	Setting up bridged adapter to allow VM with OpenBTS to communicate with SDR. Testing out different network configurations on separate VMs.	2	3	32