Memo

To: Scott Shenker, Martin Casado

From: Andrew Arminio, Christopher Austin, James McCauley

CC: Dr James Palmer

Date: 5/3/2010

Re: Team Inventory

Team Introduction

The NOX At Home capstone team is made up of three NAU Computer Science seniors: Andrew Arminio, Christopher Austin, and Murphy McCauley. All three of us look forward to putting the education we have received at NAU, as well as our personal experience, towards applying the NOX network control platform technology to a new area -- that of small office and home users. We have all come to believe that the capabilities of NOX are truly such that we will be able to provide features of benefit to these users. That each of us happens to be a member of this class of users should not be overlooked; we each are excited at the prospect of running the software we are tasked to develop in our own homes!

We have assigned the following administrative roles to our team members:

- Andrew Arminio: Record Manager
- Christopher Austin: Schedule Manager
- James McCauley: Technical Manager

Preliminary Assignments

At present, we are working to configure a development environment standardized between all group members. This will allow us to easily collaborate, and will also ease deployment on the "NOX Box" platform. We are also looking into setting up a shared physical network testbed to supplement our virtual network testing and testing in our individual homes.

Team Deficiencies

Our team is deficient in some regards by nature of the project itself: being relatively new technologies, there is a general lack of knowledge about NOX and OpenFlow. Furthermore, not all team members have much experience with low level TCP networking, higher level application protocols (SMTP, IRC, etc.), Python, Linux administration, and development in a Linux environment.

On the face of it, it may sound as if we are terribly underprepared for this project. However, each of us has experience digging in to technologies with which we are unfamiliar and familiarizing ourselves with them on our own, and this is exactly how we intend to confront our deficiencies in this project. Every member of this project is dedicated to digging into the NOX code, to learning Python, to reading the SWIG documentation, to reading the RFCs, and to doing whatever else it takes to make this project a success.