NCSU Internet2 SDN NAC Final Report

1. Project Status

The project as defined by the scope goals associated with the Internet2 micro grant is complete. As mentioned in the final document, there are multiple architectural options available when implementing a NAC system and each architecture has multiple viable implementation options available as well. I plan on continuing to evolve this project over time to add additional features and functionality that is beyond the scope agreed upon with the Internet2 micro grant.

2. Test Results

The code has been launched in a lab environment at NCSU and within an Internet2 lab. The lab environment provided by Internet2 did not have all of the equipment available to me to simulate the full deployment use case (i.e. classic campus switching/routing environment, Internet connectivity) so I made some modifications so that the project can be demonstrated within the Internet2 lab environment (i.e. by utilizing a web server running with a generic web page simulating "Internet Access"). The code has been run in a fully populated lab environment at NCSU and works as expected.

3. Demonstration

Please contact me so that we can schedule a demonstration of the environment set up within the Internet2 lab as well as the more complete environment set up within the NCSU lab. Using a multi-user screen sharing and conferencing program such as Adobe Connect or Cisco WebEx will permit the most satisfactory demonstration of the project.

4. Code

The code is currently not available via a public software repository. I need to obtain final clearance from NCSU before the code can be posted to a public software repository. I can make the code available to Internet2 for review prior to obtaining approval to post the code to a public software repository.

5. Documentation

Documentation for the project has been provided in a document titled "Internet2-SDN-NAC-v1.2". In addition PowerPoint compatible slides have been provided which provide high level information with regard to this SDN application.