

Lab Policies and Procedures for CPSC 665

1. General. This document covers the procedures for the conduct of the laboratory portion of CPSC 665, Advanced Network Security. Further guidance or questions pertaining to material covered in this document should be sent to either the course instructor Dr. Pooch, pooch@cs.tamu.edu or the Lab Administrator, Gerry Creager, gerry@cs.tamu.edu.

2. Conduct. Throughout the conduct of the course, students are to be reminded that all laws and regulations remain in force with respect to illegal use of network resources and devices, with the exception of those activities specifically allowed. A Gold Team Service Plan will be generated at the beginning of the course, outlining the specific layout of the network and which nodes are in the "sand-box", meaning they are open for network attacks. The layout may include nodes within the "sand-box" which are considered off-limits and will be treated as normal Computer Science departmental machines. At no time will physical access attack, or permanent damage attacks be allowed. Please read the system policies found at: <http://cis.tamu.edu/about/policies.php3>.

3. Access. Access into the "sand-box" will be solely through the SSH box called hamlet.cs.tamu.edu at the IP address 128.194.156.55. Hamlet will not be a hackable computer. It will only be used for communication with the outside world. It should be noted that the students will also be able to communicate to Hamlet from within the sandbox.
 - a. Each student will be assigned a username and password before the exercises are to begin. The class will be informed of when and how to get their information at the appropriate time.

 - b. To log into the SSH box (hamlet.cs.tamu.edu) within the A&M network with either VPN or an on-campus computer:
 1. Windows: Download a program called Putty:
<http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>.

 2. Redhat Linux: Download the ssh rpms from <http://rpmfind.net>. Install as root using: "rpm -Uvh rpm_name.rpm". To use SSH simply type at the console: "ssh [username@destination_address](#)".

 - c. SFTP - This is a secure version of ftp that comes with the SSH. Use this for transferring files to and from Hamlet.

1.Windows: Download a program called PSFTP from the Putty web page mentioned above. Note: PSFTP is not in production, only the development version is available at this time (look to the bottom of the Putty home page for this link)

2.Redhat Linux: Sftp for linux should be included in the SSH rpm found on <http://rpmfind.net>. "sftp username@destination_address".

d.FTP - Each account will be able to ftp from Hamlet box, but will not be able to ftp to it from the outside.

4.Gold Team. Gold Team members will be given physical access to the network devices through key-card access to the laboratory. Gold Team members will receive hands-on training of tasks they will perform on network devices within the laboratory, and are expected to log any changes they make to the hardware or software in the [Gold Team Activities Log](#). Gold Team communication will also be facilitated by the Gold Team listserv and Laboratory personnel will have access to these messages.

5.Black Teams. Black team members are prohibited from accessing the laboratory during the course of the exercise. Each team will be given remote access to one of the Black Team computers in the "sand-box". Requests for changes to the network layout, rebuilds of black team operating systems, additional Gold Team services, etc. will be directed to the Gold Team through the email listserv.

a.665-gt@listserv.tamu.edu - This is for contacting the gold team only. The black team will use this to request services of the gold team and ask questions pertinent to the sandbox. Note these messages will also be copied to the class instructors. The gold team will use this address for communicating with the rest of the gold team.

b.665-class@listserv.tamu.edu -This is for contacting the entire 665 class including the instructors. Each student may use this address for conveying ideas to the rest of the class. The gold team will use this address to inform the black teams of important information about the lab.

6.Point of Contacts. Point of contact for this document and laboratory policies and procedures not covered in this document are:

a.Adam Norgarrd 847-8608, namelessone@tamu.edu

b.Mike Sconzo, 847-8608, mjs0616@cs.tamu.edu

c.Gerry Creager, 458-4020, gerry@cs.tamu.edu