Grading Guides & Capstone Forms

- **Capstone Project Instruction:** Cyber Science Instruction 12190.1A
    - Capstone Project Instruction: Cyber Science Instruction 12190.1A (pdf) Peer and Customer Evaluation Forms
        - **Each** team member is expected to fill out a peer evaluation during each capstone review. For a deeper understanding of what should be presented in the comments, review this detailed breakout pdf which provides details of how to grade the additional categories.
        - Additionally, each team must submit **one** faculty/customer milestone/task update sheet at each review.
    - (pdf) Oral Presentation Rubric
    - (pdf) Updated Oral Presentation Rubric
    - (pdf) Paper and Written Material Rubric
    - (pptx) Capstone Poster Format - Deadline for Posters to MSC = **1st week of April 2020 - exact date to be passed in class**

NIST Publications

This course will utilize various NIST Special Publications as reference and reading material throughout the course.

- **NIST SP 800-86** - Integrating Forensic Techniques
- **NIST SP 800-92** - Log Management
- **NIST SP 800-94** - Intrusion Detection and Prevention Systems

How to mount your VM's file system locally

You can mount your VM's filesystem by establishing a tunnel between your local machine and the SSH port on the remote VM via the SSH proxy, then using sshfs to mount the directory:

Establish the tunnel from the local machine to your remote VM via the entry SSH proxy:

```
ssh -g -N mAlpha@cyber.moboard.com -L 2222:vmIPAddress:22
```

Mount the remote file system

```
mkdir -p /tmp/mnt
sshfs -p 2222 vmusername@localhost:/home/vmusername /tmp/mnt
```

When done make sure to unmount the file system

```
fusermount -u /tmp/mnt
```

Add shut down the running SSH process that created the first tunnel

How to create SSH keys for authentication

On the server (such as cyber.moboard.com)

```
cd ~/.ssh
# Hit return through the following promps
ssh-keygen -t rsa
cat id_rsa.pub >> authorized_keys
chmod 600 authorized_keys
rm id_rsa.pub
```

On your workstation or laptop (client)

```
cd ~/.ssh
scp cyber.moboard.com:~/.ssh/id_rsa cyber.rsa
chmod 600 cyber.rsa
echo "Host cyber" >> config
echo "Hostname cyber.moboard.com" >> config
echo "IdentityFile ~/.ssh/cyber.rsa" >> config
```

You should now be able to SSH into the server without a password prompt via the normal SSH command from the workstation / machine where you ran the client side commands.

How to submit assignments electronically

All homeworks (typically on blackboard) and labs will be submitted electronically in this course.

MIDN will submit PDF document(s) to your Professor that contains the screenshots described above as your deliverable. The screenshots should be properly labeled. It is suggested that MIDN insert each of the required screenshots into a Microsoft Word document and export to a .PDF file. For code, please submit as a notepad or word doc.

For Sections 1131 and 4341 - MIDN should submit their file into their own folder in their assigned section folder in the SY402 Shared Folder found here If you do not have a folder, please create a folder with your last name under your assigned section and place your lab deliverable in that folder. If your professor prefers email submissions - the subject line of the email should be in the following format:

The subject line of the email should be in the following format:

For example:

```
SY402 Section Number: Title of Lab as per the Course Calendar (m123456)
```

MIDN should gracefully shutdown their Virtual Machines (VMs) at the end of class, or whenever they are not using them. Failing to do so will result in a non-graceful shutdown from SY402 Faculty. Students risk losing work if this simple process is not followed.