**Steps to load your program to SAM disk image**

1. Open a terminal TT1 in dogmatix2: **ssh –X** [**${USER}@dogmatix2.uncc.edu**](mailto:$%7bUSER%7d@dogmatix2.uncc.edu)
2. Open a terminal TT2 in coe-sun1: **ssh –X** [**${USER}@coe-sun1.uncc.edu**](mailto:$%7bUSER%7d@coe-sun1.uncc.edu)
3. In TT1:
   1. Go to SAMT2\_workspace/int12 directory
   2. Copy disk1.img to coe-sun1: **scp disk1.img** [**${USER}@coe-sun1.uncc.edu:~/**](mailto:$%7bUSER%7d@coe-sun1.uncc.edu:~/)
4. In TT2:
   1. Create a temporary mount directory: **mkdir ~/mnt**
   2. Login as root: su -
   3. Create a loopback block device with your imagre file: **lofiadm –a /export/home/${USER}/disk1.img**

This command should return a device number. Remember that number. Let’s call it NUMBER.

* 1. As root, mount the new device created: **mount /dev/lofi/NUMBER /export/home/${USER}/mnt**
  2. Goto the mounted directory and check out the file system.
  3. Copy your own code in a sub-directory within this mounted file-system.
  4. Go back to root home directory; **cd**
  5. Unmount volume: **umount /dev/lofi/NUMBER**
  6. **\*\*\*\*** Delete the loopback device: **lofiadm –d /dev/lofi/NUMBER**

1. Copy the disk image back to dogmatix2: **scp disk1.img ${USER}@dogmatix2:~/**
2. Inside SAMT2\_workspace, unlink the existing disk1.img and create the link for the new disk image:
   1. **unlink disk1.img**
   2. **ln –s ~/disk1.img disk1.img**
3. Run SAM with the new disk image;