# Running Iperf udp- dual experiment on sandbox 4.

This experiment performs an iperf test between node 1-8 and node1-9. On node1-8 the wimax inter is used to send udp data to node1-9 which is running an iperf server.

1. Make reservation for sandbox 4 on <https://www.orbit-lab.org/schedule/>
2. Ssh into sandbox 4
3. Download the tar ball (udp\_dual.tar) and extract to your local directory.
4. Use omf-5.2 to load basetest.ndz image into node1-8.  
   > omf-5.2 load [1,8] basetest.ndz
5. Use omf-5.2 to turn on node1-8  
   > omf-5.2 tell on [1,8]
6. To query the status of node1-8  
   > omf-5.2 stat [1,8]  
     
   Verify the state is POWERON
7. Once node1-8 is in POWERON state shh into node1-8 and issue the following commands to bring up the wimax interface.
   1. ssh into node1-8  
      > ssh root@node1-8
   2. load driver modules  
      > modprobe i2400m

> modprobe i2400m\_usb

* 1. Start wimax daemon in the background  
     > wimaxd -i wmx0 –b
  2. Turn on wimax radio  
     > wimaxcu ron
  3. Connect to network 51  
     > wimaxcu connect network 51

1. Now using omf-5.3 run the experiment.  
   > omf-5.3 exec udp-dual.rb