def is\_valid\_file(parser, arg):

if not os.path.exists(arg):

parser.error("The file %s does not exist!" % arg)

else:

return open(arg, 'r') # return an open file handle

def start\_process(ip\_address):

#

# The following code creates the target and task records and then kicks off the task for a single IP

#

# The test IP address here to be changed to the variable:

command\_line = " omp --xml=\"<create\_target><name>" + ip\_address + "</name><hosts>" + ip\_address + "</hosts><alive\_tests>Consider Alive</alive\_tests></create\_target>\""

if debugf == 'yes':

print command\_line

p = subprocess.Popen([command\_line],

shell=True, stdout=subprocess.PIPE, stderr=subprocess.STDOUT)

lines\_iterator = iter(p.stdout.readline, b"")

already\_exists = 'No'

for line in lines\_iterator:

if line.find('status="400"') > 0:

already\_exists = 'Yes'

p = subprocess.Popen(['omp --get-targets'],

shell=True, stdout=subprocess.PIPE, stderr=subprocess.STDOUT)

lines\_iterator = iter(p.stdout.readline, b"")

for line in lines\_iterator:

if line.find(ip\_address) > 0: # The test IP address here to be changed to the variable.

#

# Attempt to create target failed: already exists: Now, grab the ID here from a list of all target records.

#

target\_id = line[0:36]

else:

#

# Target record create successful: Grab the ID from the command line output:

#

target\_id = line[28:64]

#

# Create task here:

#

command\_line = " omp --xml=\"<create\_task><name>" + ip\_address + "</name><config id='daba56c8-73ec-11df-a475-002264764cea'/><target id='" + \

target\_id + "'/></create\_task>\""

if debugf == 'yes':

print command\_line

p = subprocess.Popen([command\_line],

shell=True, stdout=subprocess.PIPE, stderr=subprocess.STDOUT)

lines\_iterator = iter(p.stdout.readline, b"")

for line in lines\_iterator:

if debugf == 'yes':

print line

if line.find('create\_task') > 0:

task\_id = line[26:62]

if debugf == 'yes':

print task\_id

# Sample Output:

# <create\_task\_response id="4a2a53aa-5a80-4900-8128-cee5be30f44b" status\_text="OK, resource created" status="201"></create\_task\_response>

#

# Kick off task here:

#

command\_line = " omp --xml=\"<start\_task task\_id='" + task\_id + "'/>\""

if debugf == 'yes':

print command\_line

p = subprocess.Popen([command\_line],

shell=True, stdout=subprocess.PIPE, stderr=subprocess.STDOUT)

lines\_iterator = iter(p.stdout.readline, b"")

already\_exists = 'No'

for line in lines\_iterator:

if debugf == 'yes':

print line

index = line.find('<report\_id>') + 11

if index > 0:

reportID = line[index:index+36]

global get\_report\_command

get\_report\_command = 'omp -u test --xml=\'<get\_reports report\_id="' + reportID + '" format\_id="a994b278-1f62-11e1-96ac-406186ea4fc5"/>\' >/tmp/report.xml'

#

# End End End ---->>> start\_process <<<-----

#

###############################################################

#

#

def get\_running\_processes():