Test on with Linux distribution first:

* X86 Development: Client: Linux 64: Build:
  + From Repo Folder: C:\\_\Repos\SpeedTest\SpeedTest.Client
  + Compile: **docker build -f DockerFile.linuxX86 -t alabrunda/speedtest.client.linux .**
* X86 Container: Client: Linux 64: Run:
  + Run: **docker run --ClientName=”alabrundaVDSL” --env SpeedTestServerURL="http://192.168.231.22:8080/api/speedtest" alabrunda/speedtest.client.linux:latest**
* X86 Development: Client: Arm 32: Build:
  + Compile: **docker build -f DockerFile.linuxArm -t alabrunda/speedtest.client.arm .**
  + Push: **docker push alabrunda/speedtest.client.arm:latest**
  + Run Arm 32 Client
* X64 RPI: Client: Arm 32: Install Docker:
  + **Need to Verify**
  + [**https://dev.to/rohansawant/installing-docker-and-docker-compose-on-the-raspberry-pi-in-5-simple-steps-3mgl**](https://dev.to/rohansawant/installing-docker-and-docker-compose-on-the-raspberry-pi-in-5-simple-steps-3mgl)
* X64 RPI: Client: Arm 32: Run:
  + Delete old image(might not be required)
    - Docker images
    - Docker rmi (ID) -f
  + Run: **docker run –env ClientName=”alabrundaVDSL” --env SpeedTestServerURL="http://192.168.231.22:8080/api/speedtest" alabrunda/speedtest.client.arm:latest**
* X64 RPI: Client: Arm 32: Maint Cron:
  + **CronTab Empty: crontalp -l #list**
  + **CronTab Edit: crontal -e #edit**
  + **Run every 5 minutes:**
  + **\*/5 \* \* \* \* docker run --ClientName=”alabrundaVDSL” --env SpeedTestServerURL="http://192.168.231.23:8080/api/speedtest" alabrunda/speedtest.client.arm:latest**
* X64 RPI: Client: Arm 32: Maint Prune:
  + Every hour prune stopped containers:
  + **\*/60 \* \* \* \* docker container prune -f**
* X64 Development: Server: Linux64: Build
  + From: C:\\_\Repos\SpeedTest\SpeedTest.Server
  + Run:  **docker build -f .\SpeedTest.Server.WebAPI\DockerFile -t speedtest.server.webapi .**
* X64 Ubuntu18: Server: Linux64: Install Docker
  + Install Server without Docker support from default menu system
  + Follow install procedure here to install
    - <https://docs.docker.com/engine/install/ubuntu/#install-using-the-repository>
  + Here for post install operations
    - <https://docs.docker.com/engine/install/linux-postinstall/>
* X64 Ubuntu18: Server: Linux64: Run
  + Login as root (docker compose has permission issues)
  + **curl -O https://raw.githubusercontent.com/alabrunda/SpeedTest/master/SpeedTest.Server/docker-compose.yml**
  + **sudo docker-compose up**
  + **docker run speedtest.server.webapi**

docker build -f DockerFile.linuxArm -t alabrunda/speedtest.client .

docker push alabrunda/speedtest.client:latest