Setup Step 2alt - Virtualbox-Setup

Owner: Nick Wang

Download and install Virtualbox Host on your machine

https://www.virtualbox.org/wiki/Downloads

Download a Virtualbox image

robotic-vision-v2 (in progress):
Add ROS rivz, a rosbag file,
TODO: install OpenCV 2.4.9 (with nonfree module) and PCL 1.7

robotic-vision-v1:
https://www.dropbox.com/s/zo3e0aq16b3ilaf/robotic-vision-v1-ubuntu%2014.04.3%20%2864bit%29.vdi.7z?dl=0
(It will take a while to unzip.)

This release includes essential packages, LCM and libbot, ROS Indigo.
The user robotvision has customized ~/.bashrc and ~/.vimrc, and has folder ~/code and ~/data.

osboxes.org
http://www.osboxes.org/ubuntu/#ubuntu-14_04-vmware

Choose VirtualBox (VDI), 64bit

Start Virtualbox

New -> Linux -> 64bit -> Memory 2G -> select the .vdi file.

Username/password
> robotvision/assistiverobotics
> osboxes/osboxes.org

Enable full resolution (first time only, may be not necessary)
Devices -> Insert Guest Additions Image CD

follow the instruction

Network Setup for Hostname

Under Duckietown router,
To ssh ubuntu@HOSTNAME.local, you need to set the network to:
Device -> Network -> Network Settings… -> Bridged Adapter

Mac: working on Macbook Pro/Air

Windows (tested by **Daniel Hoehener**): this setting did not work with VirtualBox installed on Windows. Even with avahi installed I could not resolve hostnames directly. In the end I installed Ubuntu using wubi downloaded from here:
https://www.dropbox.com/sh/6uqomp8l1frcd1y/AAAhSCimTaYE-94egbmc1X_na?dl=0
This worked very well for me.

Note: using Bridged Adapter may not connect to public internet such as MIT, MIT Secure or MIT Guest network.