**Instructions**

Server Installation

Unzip the server zip file.

1. Make sure Java 1.8 is installed
2. Make sure Open SC is installed (Installation is server zip under OpenSC subfolder)
3. Make sure yubikey dongle is plugged into the USB port of the computer

Go into installation folder and run the opensc-tool.exe:

C:\Program Files\OpenSC Project\OpenSC\tools\opensc-tool.exe --list-readers

Looks at the slot # that should the first column is the list. In case below it is 2

# Detected readers (pcsc)

Nr. Card Features Name

0 Yes Broadcom Corp Contacted SmartCard 0

1 Yes Broadcom Corp Contactless SmartCard 0

2 Yes Yubico Yubikey 4 OTP+U2F+CCID 0

Example Server running:

The command should follow

C:\server\dhav2server <IP ADDRESS> <PORT> <SLOT #>C

Example:

C:\ \server> dhav2server.exe 10.88.99.238 5010 2

Server running @ IP: 10.88.99.238

\* Running on <http://10.88.99.238:5010/> (Press CTRL+C to quit)

Client Installation

Unzip the the client.zip. It will create client folder.

Open **config.dat** file and put the server IP and port number address in front of SERVER\_IPS

Example:

SERVER\_IPS = 10.88.99.238:5010

Save and close the file.

Client can use USB or TCPIP port.

For USB connect, use DSN as an argument to run the client.

C:\client>dhav2client G123X12343125BX

For TCPIP

1. Make sure host computer has static IP address 169.254.1.1
2. The DUTs havs static IP 169.254.222.222

For TCP/IP run client as follows

C:\client>dhav2client 169.254.222.222