

```

clear all; close all; clc;

% UDP Multicasting received packets
% create UDP multicast socket
port = 5412;
group = "230.8.6.7";
sock = udpport("LocalPort", port, "EnablePortSharing", true);
configureMulticast(sock, group);
hoursEnd = 3; % SET SET hours to kill the process after
switch exist("hoursEnd", "var")
    case 0
        minEnd = 120; % SET SET min to kill the process after (2 hrs)
    case 1

        minEnd = hoursEnd*60; % if hoursEnd is set
end

timeElap = 0; % time elapsed init

% Rigidbody data streaming related stuff
addpath(genpath(['C:\Users\Hari\Documents\GitHub\NatNet_MATLAB_Streaming' ...
    '\NatNet_SDK_4.1\NatNetSDK\Samples\Matlab\'])); % add the samples folder
dllPath = fullfile('C:', 'Users', 'Hari', 'Documents\GitHub\NatNet_MATLAB_Streaming/', ...
    '\NatNet_SDK_4.1\NatNetSDK\lib\x64\NatNetML.dll');
assemblyInfo = NET.addAssembly(dllPath);
fprintf( 'NatNet Polling Sample Start\n' )

```

NatNet Polling Sample Start

```

% create an instance of the natnet client class
fprintf( 'Creating natnet class object\n' )

```

Creating natnet class object

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natnetclient = natnet;

% connect the client to the server (multicast over local loopback) -
% modify for your network
fprintf( 'Connecting to the server\n' )

```

Connecting to the server

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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% natnetclient.HostIP = '10.0.0.3'; % MoCap Computer
% natnetclient.ClientIP = '10.0.0.68'; % Hari's Laptop
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
natnetclient.HostIP = '127.0.0.1';
natnetclient.ClientIP = '127.0.0.1'; % MoCap Computer Loopback
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
natnetclient.ConnectionType = 'Multicast';
natnetclient.connect;
if ( natnetclient.IsConnected == 0 )
    fprintf( 'Client failed to connect\n' )
    fprintf( '\tMake sure the host is connected to the network\n' )
    fprintf( '\tand that the host and client IP addresses are correct\n\n' )
    return
end

% get the asset descriptions for the asset names
model = natnetclient.getModelDescription;

% get the pause time period based on the framerate
pauseTime = 1/natnetclient.FrameRate; % actual framerate
% pauseTime = 0.1; % 10Hz lower framerate

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% Poll for the rigid body data at framerate being multicast
fprintf( '\tStarting UDP multicast stream of position data!\n\n' )

```

Starting UDP multicast stream of position data!

```

% write packet stuff
tic
while timeElap < 60*minEnd
    pause( pauseTime );
    data = natnetclient.getFrame;
end

```

