

SYSDYNET Toolbox for Identification of Dynamic Networks

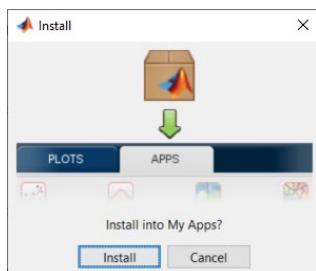
Quick Start Guide

Prerequisites

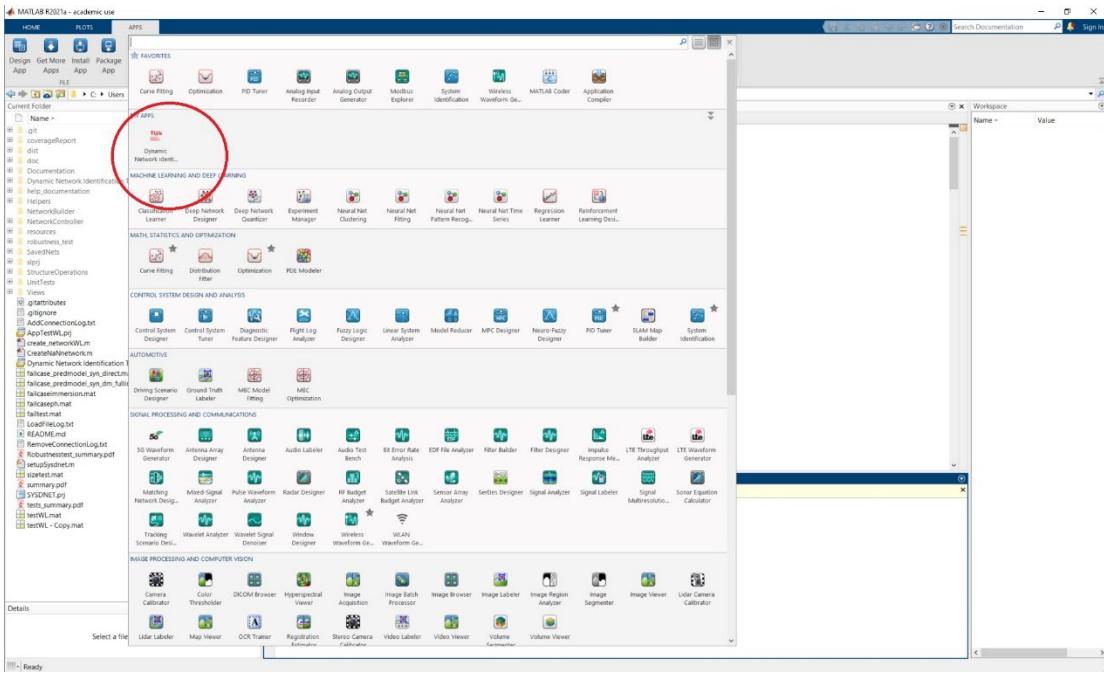
- Take note of the license file.
- MATLAB 2021a or higher (tested on MATLAB R2021a & R2023b) with
 - Control Systems Toolbox
- (Optional) To be able to run identification algorithms (nwidfullSLS, nwidPEM, nwidsingleMultiStep, nwidARMAX_dcn and nwidFreq_dcn) at the command line:
 - System Identification Toolbox
 - CVX ([Download CVX | CVX Research, Inc.](#)), only required for nwidfullSLS

Installation

- Unzip the file “Dynamic Network Identification Toolbox 0_4_0.zip”.
- Double click the “Dynamic Network Identification Toolbox.mlappinstall”.

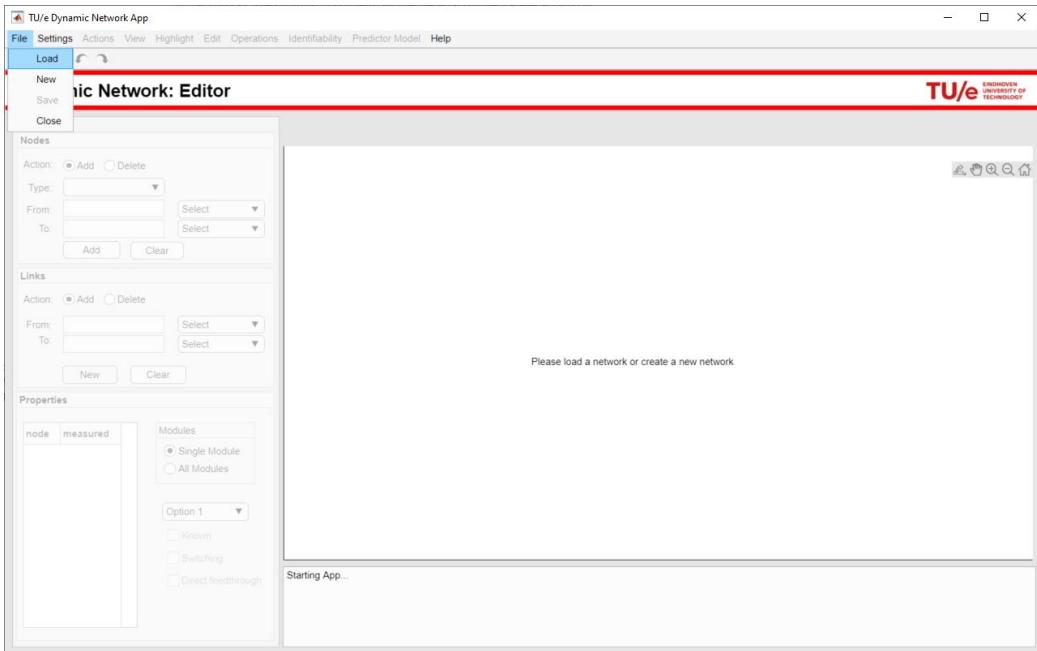


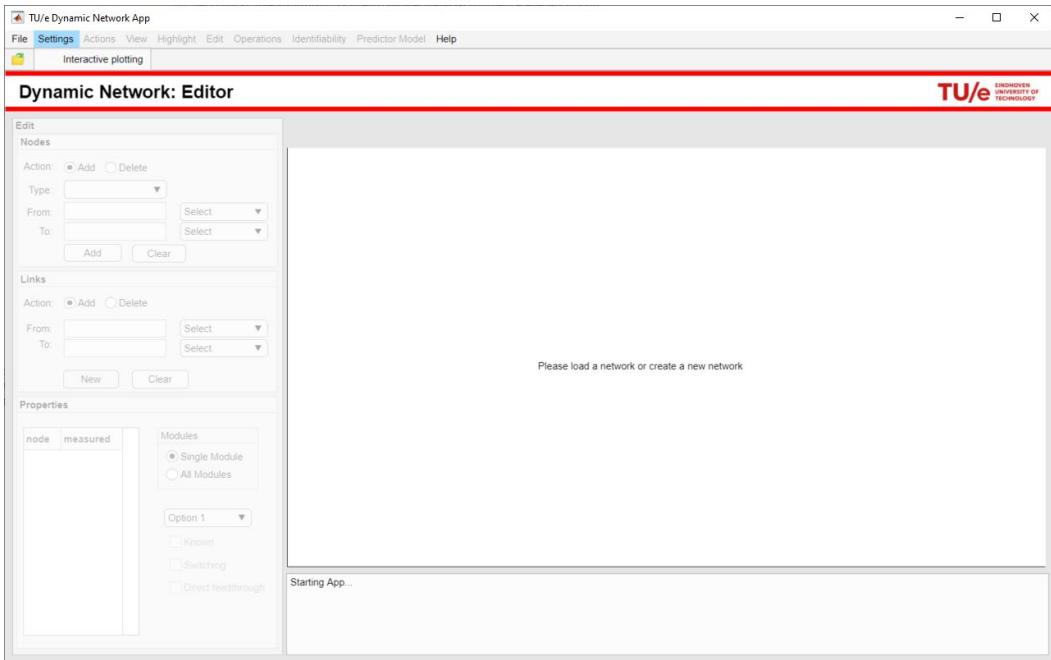
- There is an icon for the Toolbox in the App-tab.



Run the Toolbox

- Click on the Toolbox icon in the App-tab
- Load a network. There are three examples in the “Examples” directory in the zip-file.





- Use the “Help” tab in the App for further information.
- Make sure the App is open in order to use the functions and classes listed in the reference ([MATLAB functions for structural operations | SYSDYNET](#)) at the command line. Use help <command> to get detailed documentation on these functions/classes.