

Installing SPART

First you need to download the SPART toolkit from the [SPART Github repository](#):

```
git clone https://github.com/NPS-SRL/SPART.git
```

Once you have the SPART source code, navigate to the SPART root folder and execute the following command in the MATLAB command window:

```
SPART2path
```

This adds all the required SPART folders into your MATLAB path and saves it.

! Note

In Linux, running MATLAB with root privileges may be required (i.e., `sudo`) to permanently save the MATLAB path.

Dependencies

Some MATLAB toolboxes are required to fully exploit SPART:

- The [Robotics System Toolbox](#) is required to interface MATLAB with ROS.
- The [Matlab Coder](#) and the [Simulink Coder](#) are required to generate standalone ROS nodes or portable C/C++ code from SPART MATLAB code or Simulink models.
- The [Symbolic Math Toolbox](#) is required to obtain analytic expressions of the kinematic and dynamic quantities.
- The [Simulink 3D Animation](#) is useful to visualize the robotic systems.