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*/ Requirements.pdf

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1. JetPackL4T - 3.1 ([Source](#))

a. Host Platform Requirements:

- i. **Ubuntu Linux x64 (v14.04)**
- ii. JetPack runs on the host Ubuntu x86_64 machine and sets up your developer environment and Jetson Developer Kit target via remote access.

b. Target Platform Libraries and APIs

- i. CUDA 8.0 Toolkit for Jetson Device
- ii. cuDNN 6.0
- iii. TensorRT 2.1
- iv. VisionWorks 1.6

2. OpenCV 3.3 for Jetson TX1 ([Source](#))

3. Robotic Operating System (ROS) Kinetic Kame ([Source1](#), [Source2](#))

4. Point Cloud Library (PCL) 1.8.0 ([Source](#))

5. ZED Software Development Kit 2.3.1 ([Source](#))

a. Dependencies:

- i. CUDA 8.0 for Jetson
- ii. Opencv 3.3

6. ZED - ROS Wrapper ([Source](#))

a. Dependencies:

- i. **Ubuntu 16.04**
- ii. ZED SDK ≥ 2.3 and its dependency CUDA
- iii. ROS Kinetic
- iv. Point Cloud Library (PCL)