

Week 12 - Making Lanelet2 Vector Map Using TIER IV's Vector Map Tool

1. In your own words, explain why we need a Lanelet2 vector map in addition to the 3D .pcd pointcloud map when using Autoware.
2. List at least five different types of elements/infrastructure that you can add on top of the PCD map using the Lanelet2 map creation tools (for example, lanes are one).
3. Why is it good practice to give the Lanelet2 .osm file the same base name as the PCD map file (for example, northLot.pcd and northLot.osm) when using Autoware?
4. Suppose your original PCD is 600 MB and looks very detailed. You downsample aggressively to get under Autoware's 300 MB size limit.
 - Explain one benefit and one potential drawback of heavy downsampling in this context: