The objective of this research is to develop a new Linux distribution, ILOS CS, which is targeted for Computer Science lab. This distribution is built through remastering another established Linux distribution that already exist by using Remastersys. To find out what application required in Computer Science lab, an interview conducted to the responsible person of laboratory. The testing of ILOS CS is done by testing the installation and surveys directly to the 21 students of Computer Science. The expectation of this distribution already has the whole package of applications that support activities needed in a laboratory of Computer Science.

Keywords: Linux, ILOS CS, ILOS, re-mastering.