

## **Week14\_Discussion\_0611031**

### **Discussion 1**

**Ans:** A cross compiler is necessary to compile code for multiple platforms from one development host. Direct compilation on the target platform might be infeasible, for example on a microcontroller of an embedded system, because those systems contain no operating system. In paravirtualization, one computer runs multiple operating systems and a cross compiler could generate an executable for each of them from one main source.