

# Dependencies

Dependency management in XCode is based on how Maven handles dependencies. When a package needs to verify, update or checkout its dependencies then the first step is to create the dependency tree. XCode follows some rules to solve dependency conflicts, these rules are listed below:

* Nearest
  + "Nearest definition" means that the version used will be the closest one to your project in the tree of dependencies, e.g. if dependencies for A, B, and C are defined as A -> B -> C -> D 2.0 and A -> E -> D 1.0, then D 1.0 will be used when building A because the path from A to D through E is shorter. You could explicitly add a dependency to D 2.0 in A to force the use of D 2.0
* Same Depth 🡪 First occurrence will be used