

# INF related other open source projects

Link: [Partnerships](#)

To serve as the "infrastructure" for O-RAN, the infrastructure has been defined as the Cloud Platform in O-RAN alliance work group 6 (Cloudification and Orchestration).

Generally the Cloud Platform should support the Container based solution and VM based solution, which the OpenStack and Kubernetes will be leveraged in the INF project.

And for DU and CU, the real time related features are very important, in INF we use the Yocto to create the Linux host environment, it is not only because Yocto can provide real time features such as CPU isolation and pre-emptive schedule, but also Yocto has significant players from silicon vendors. Furthermore, Yocto is very easy to do customization and multiple architecture supporting.

To fulfill the CU and DU deploy scenarios, the regional cloud, edge cloud and cell site are considered as the hierarchy architecture of the Cloud Platform. In the INF, we are trying to leverage the StarlingX project as much as possible in OpenStack foundation. The Distributed Cloud from StarlingX can map the "system controller" and "subcloud" to the regional cloud and edge cloud.

<https://www.yoctoproject.org/>

<https://www.starlingx.io/>