

Cloud Native WG Recommendations

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Detailed wiki: <https://wiki.opnfv.org/display/meetings/Cloud+Native>

Recommendations

1. Produce 2 Kubernetes based scenarios aimed for much easier use by downstream
 - a. Kubernetes on Pharos Pod bare metal
 - b. Kubernetes on top of Openstack on Pharos Pod
2. Allocate a long lasting Kubernetes Pod (1.a or 1.b) with Clover installed (inc. CD Pipeline and service mesh) for shared access for cloud native deployment
3. Combine current CI/XCI with CD to support e2e cloud native deployment.
 - a. The deployment support is being developed in Clover-Gambia
4. Ask test projects and test use cases to
 - a. Produce container artifacts
 - b. Support for use in cloud native CD automated testing stages
 - c. Test container, container networking, container storage

Recommendations - continued

5. Eat our own dog food: Ask all projects to adopt containers, K8S, service mesh, CD etc. for relevant components. Support use by ONAP and other projects.
6. Encourage and Support projects to work on “middle-box” (aka data path) container networking
 - a. Kernel mode - please join Clover for this effort
 - b. User mode - e.g. FD.IO Ligato, current data path projects - call for new action
7. Produce an Edge Pod (extend Pharos) with cloud native stack
8. OPNFV takes a lead across LFN to drive a cloud native initiative