

Projects

Page is in Draft.

Deployment Model & PaaS Layer

No.	Feature(s) Name	PTL Contact	Modules	Priority	Short Description
1	3 Node HA Model		OKD	1	3 Node HA Kubernetes environment with OKD - Release 4.10
2	Single Node		OKD	1	Single Node Kubernetes Environment with OKD - Release 4.10
3	Target DC - Edge Model with Remote worker or Single Node environment			1	Has Impact on power, devices and location for documentation framing for the workloads and not on the actual software
4	Target DC Mode - Core			1	Documentation consideration
5	Hardware Configuration		NFD/NPD Device Plugin		CPU, Memory, Server Vendor, NIC and GPU (Huifeng Le smart nics) Lab and servers–anuket lab?
6	PaaS Platform		OKD	1	
7	Kubernetes v1.23 CRIO Operating System OVN Kubernetes OVS-DPDK Cloud Credential Operator Cluster Authentication Operator Cluster Autoscaler Operator Cluster Cloud Controller Manager Operator Cluster Config Operator Cluster CSI Snapshot Controller Operator Cluster Image Registry Operator Cluster Machine Approver Operator Cluster Monitoring Operator Cluster Samples Operator Cluster Storage Operator Cluster Version Operator Console Operator DNS Operator etcd cluster Operator Ingress Operator Insights Operator Kubernetes API Server Operator Kubernetes Controller Manager Operator Kubernetes Scheduler Operator Kubernetes Storage Version Migrator Operator Marketplace Operator OpenShift API Server Operator OpenShift Controller Manager Operator Operator Lifecycle Manager Operators OpenShift Service CA Operator vSphere Problem Detector Operator	OKD	1		
8	Service Mesh				

9	Dev Ops Pipeline		Jenkins ArgoCD	1?2	
---	------------------	--	-------------------	-----	--

XGVela Layer

No	Feature Name	PTL Contact	Modules	Priority	Short Description
10	Fault Management		new	1	Collecting alarm data from NF, storing alarm data, making fault analysis and report outcomes.
11	Configuration Management		new	2	Manages NF-level configurations, including configuration version management, configuration file management, NF configuration, etc.
12	Topology Management		TMaaS	1	Provide NF-level topology.
13	Telemetry Framework Layer		Prometheus , EFK	1	Mostly integration of Prometheus for metrics, EFK for logs, etc.
14	NF Heartbeat Management		new	1	Monitoring heartbeat of NF and reporting alarms according to predefined policies.
15	Zero Touch Provisioning		GitOps Ansible Helm	2	GitOps basedTele framework for zero touch provisioning of the cluster and workloads using Helm
16	Hardware abstraction				1. Smart NICS 2. FPGA 3. Crypto Acceleration
17	Container Network		Ingress Calico		Layer 3 and Layer 4 network access to k8s cluster from outside
18	Operators 1. Life Cycle Manager - OLM 2. Machine Config Operator 3. Node Tuning Operator 4. Cluster Network Operator 5. SCTP Enablement 6. PTP operator 7. Helm Operator 8. RAN Operator 9. Cluster Logging Operator		OKD		K8S operators that are needed to tune the platform for Telco operations

Workflow & Automation

No	Feature Name	PTL Contact	Modules	Priority	Short Description
18	Automation Workflow for provisioning		GitOps Ansible	1?2	
19	Automation Templates		Ansible	1	

Security

No.	Feature Name	PTL Contact	Modules	Priority	Short Description
20	Security Tuning for platform		OKD	1	
21	Workload Security				
22	Service Security				

Workloads/CNFs

No	Feature Name	PTL Contact	Modules	Priority	Short Description
23	5G Core		OAI?, Free 5G?, Open5G? ONF SD-Core? Need to check	1	
24	SD-WAN		ICN - openwrt based?		
25	RAN				

Use Case

No	Feature Name	PTL Contact	Modules	Priority	Short Description
26	5G Core		5G Core	1	Open Source or vendor 5G Core
27	ONAP Integration				
28	5G RAN				
29	Local and Remote Management				