General overview of Akraino

Introduction - Akraino

Akraino Goals and Key Principles

Introduction to Blueprint

Introduction to Point of Delivery (POD)

Blueprint Projects R1

Blueprint	Architecture Document	Link to Further Documentation
Integrated Edge Cloud(IEC) Type 1 & 2	IEC Architecture Document	IEC Release 1 Documentation
Network Cloud Rover	Network Cloud Architecture	NC Family Documentation - Release 1
Network Cloud Unicycle with SR-IOV	Network Cloud Architecture	NC Family Documentation - Release 1
Edge Lightweight and IOT (IOT Gataway and SD-WAN)	ELIOT Architecture Document	ELIOT Release 1 Documentation
Network Cloud Unicycle with OVS-DPDK	Network Cloud Architecture	NC Family Documentation - Release 1
Radio Edge Cloud (REC)	REC Architecture Document	Radio Edge Cloud Documentation
StarlingX Far Edge Distributed Cloud	StarlingX Far Edge Distributed Cloud Architecture Documentation	StarlingX Far Edge Distributed Cloud#Documentation
KNI Provider Access Edge (PAE) Blueprint	KNI PAE Architecture document	KNI Blueprint User Documentation

Blueprint Projects R2

Blueprint	Architecture Document	Link to Further Documentation	Link to CI/CD logs	Link to Blueprint Datasheet
NC with Tungsten Fabric Documentation	Architecture	NC with Tungsten Fabric Documentation	https://nexus.akraino.org/content/sites/logs/juniper/job/NC-Tungsten_Fabric/27/ https://nexus.akraino.org/content/sites/logs/juniper/job/NC-Tungsten_Fabric/27/logs/airship-in-a-bottle.output.log	NetworkCloud-TF blueprint Datasheet
ELIOT IoT Gateway	Architecture	ELIOT IoT Gateway Blueprint Documentation	https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-deploy-iotgateway-minimal-os-virtual-daily-master/65/ https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-deploy-kubeedge-ubuntu-virtual-daily-master/12/ https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-deploy-k8s-virtual-daily-master/221/ https://nexus.akraino.org/content/sites/logs/huawei/blu-val/job/eliot-deploy-virtual-daily-master-validation/13/	ELIOT Release 2 - IOT Gateway Data Sheet
Integrated Cloud Native (ICN)	ICN Architecture	Integrated Cloud Native (ICN) Documentation	ICN Master Baremetal Deployment Verifier ICN Master Baremetal Deployment for Hardware verification ICN Master Baremetal Deployment Virtlet nested K8s Verifier ICN Master Virtual Deployment Verifer ICN Master Virtual Deployment Virtlet nested K8s Verifier	ICN R2 Datasheet

ELIOT SD-WAN/WAN Edge/ uCPE	Architecture	ELIOT SD-WAN/WAN Edge/ uCPE Blueprint Documentation	https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/172/ https://nexus.akraino.org/content/sites/logs/huawei/blu-val/job/eliot-deploy-virtual-daily-master-validation/13/	ELIOT Release 2 - uCPE Data Sheet
SDN Enabled Broadband Access (SEBA) for Telco Appliance Blueprint Family	SEBA Blueprint Architecture Document	SEBA Blueprint Documentation	https://nexus.akraino.org/content/sites/logs/att/job/Install_SEBA_on_OpenEdge1/35/ https://nexus.akraino.org/content/sites/logs/att/job/Install_SEBA_Charts_on_OpenEdge1/39/	SEBA blueprint R2 datasheet
KNI Blueprint Family	KNI PAE Architecture document	KNI PAE documentation	https://nexus.akraino.org/content/sites/logs/redhat-kni/192.168.112.199/kni-deploy-baremetal/ https://nexus.akraino.org/content/sites/logs/redhat-kni/kni-edge-installer-libvirt/45/	KNI PAE blueprint R2 datasheet
Radio Edge Cloud (REC)	REC Architecture Document	Radio Edge Cloud Documentation	https://nexus.akraino.org/content/sites/logs/att/job/Install_REC_on_OpenEdge1/378/console.log.gz	REC_Akraino R2 blueprint Datasheet.docx
Network Cloud Rover	Network Cloud Architecture	NC Family Documentation - Release 2	https://nexus.akraino.org/content/sites/logs/att/job/MT_nightly_master_A_regional_node/441/ https://nexus.akraino.org/content/sites/logs/att/job/MT_nightly_master_B_rover_dell/441/ https://nexus.akraino.org/content/sites/logs/att/job/MT_nightly_master_E_sample_vnf/295/	Network Cloud Rover and Unicycle R2.docx
Network Cloud with SR-IOV	Network Cloud Architecture	NC Family Documentation - Release 2	https://nexus.akraino.org/content/sites/logs/att/job/MT_nightly_master_G_unicycle_dell/229/	Network Cloud Rover and Unicycle R2.docx
Network Cloud with OVS-DPDK	Network Cloud Architecture	NC Family Documentation - Release 2	https://nexus.akraino.org/content/sites/logs/ericsson/job/RC+Unicycle_OVS_DPDK_Deployment/22/	Network Cloud Unicycle OVS-DPDK R2 Datasheet.docx
IEC Type1&2	IEC Type1&2 Architecture	IEC Type1&2 Documentation	https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type1-deploy-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type1-install-seba_on_arm-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type1-destroy-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/iec-deploy-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/iec-install-seba_on_arm-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/iec-destroy-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type2-deploy-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type2-install-seba_on_arm-compass-virtual-ubuntu1604-daily-master/ https://nexus.akraino.org/content/sites/logs/arm-china/jenkins092/iec-type2-destroy-compass-virtual-ubuntu1604-daily-master/	IEC Type1 R2 datasheet IEC Type2 R2 datasheet
Connected Vehicle	Connected Vehicle Architecture	Connected Vehicle Document Release 2	https://nexus.akraino.org/content/sites/logs/tencent/job/connectedVehicle/TestCompileCode/ https://nexus.akraino.org/content/sites/logs/tencent/job/connectedVehicle/TestConnectVehicleService/ https://nexus.akraino.org/content/sites/logs/tencent/job/CD_Install_Tars/	Release2-CVB datasheet.docx
IEC Type4	IEC Type4 Architecture	IEC Type4 Document Release 2	https://nexus.akraino.org/content/sites/logs/tencent/job/iectype4/iec_deploy/ https://nexus.akraino.org/content/sites/logs/tencent/job/iectype4/Develop_Tars/ https://nexus.akraino.org/content/sites/logs/tencent/job/iectype4/CompileTarsCode/ https://nexus.akraino.org/content/sites/logs/tencent/job/iectype4/VR_Classroom_Deployment/ https://nexus.akraino.org/content/sites/logs/tencent/job/iectype4/iec_destroy/	IEC Release2-IEC-Type4 datasheet.docx

Feature Projects

Feature Project	Architecture Document	Link to Further Documentation
Akraino Regional Controller	Starting the Regional Controller	Akraino Regional Controller

Akraino Blueprint Validation		
Akraino Portal		
API Gateway		
Cluster Health & Overload Monitoring Platform		
MEC API Framework		
Support of OvS-DPDK in Airship		