

Unicycle with SR-IOV Project

Project Technical Lead: David Plunkett. Elected 1/17/19.

Project Committers detail:

Initial Committers for a project will be specified at project creation. Committers have the right to commit code to the source code management system for that project.

A Contributor may be promoted to a Committer by the project's Committers after demonstrating a history of contributions to that project.

Candidates for the project's Project Technical Leader will be derived from the Committers of the Project. Candidates must self nominate by marking "Y" in the Self Nominate column below by Jan. 16th. Voting will take place January 17th.

Only Committers for a project are eligible to vote for a project's Project Technical Lead.

Please see [Akraino Technical Community Document](#) section 3.1.3 for more detailed information.

C o m m i t t e r	C o m m i t t e r	Com mitt er Con tact Info C o m p a n y	Committer Bio	Committer Picture	S e l f N o m i n a t e f o r P T L (Y / N)
D a v i d P l u n k e t t	A T & T	david.plunkett@att.com	David Plunkett has been involved in the design and deployment of virtualization infrastructure in AT&T since 2007. As the architect for multiple internal x86 virtual environments, David lead collaboration across technical teams to adopt and standardize emerging technologies. David recently changed to a new role supporting open source initiatives for AT&T and has been part of the Akraino community since its launch in the spring of 2017. David contributed to multiple components in the AT&T seed code for the Network Cloud blueprint and lead the development of the bare metal deployment feature.		Y
J o h n C r a i g	A T & T				N
P a u l C a r v e r	A T & T	pcarver@att.com	See Radio Edge Cloud (REC) for bio.		N
M i k e H u n t e r	A T & T				N

K an da n K at hir vel	A T & T	kk0 563 @att .com			N
D ee pa k K at aria	A T &T	dd7 022 @us .att. com			N
N ag a S ug ga na	A T &T	ns1 56u @us .att. com			N
	R a d y sis				
	N et sia				
Al ex an dr u Av ad an ii	A rm	alex andr u. avad anii@ ene a. com			
Ci pri an B ar bu	A rm	cipri an. barb u@e nea. com			
Cr ist in a P au na	A rm	Crist ina. Pau na@ ene a. com			

Use Case Details:

Case Attributes	Description	Informational
Type	New blueprint submission	
Blueprint Family - Proposed Name	Network Cloud Family	
Use Case	Network Cloud – carrier edge use case	
Blueprint proposed Name	Unicycle	
Initial POD Cost (capex)	Unicycle less than \$150k	
Scale & Type	Up to 7 servers x86/ARM server or deep edge class	
Applications	5G Core or vRAN (RIC)	

Power Restrictions	Example Only: • Less than 10Kw	
Infrastructure orchestration	OpenStack Pike or above - VM orchestration Docker 1.13.1 or above / K8 1.10.2 or above- Container Orchestration OS - Ubuntu 16.x VNF Orchestration - ONAP Beijing Under Cloud Orchestration - Airship v1.0	
SDN	SR-IOV & OVS-DPDK or VPP-DPDK	
Workload Type	VMs and Containers	
Additional Details	See attachment	

Presentation:



Akraino Blueprint-Unicycle.pdf