The AI Edge: Intelligent Vehicle-Infrastructure Cooperation System(I-VICS)

PTL : Liya Yu (13 April 2021)

Blueprint species:

Use Case Attributes	Description	Informational
Type	New	
Blueprint Family	The AI Edge	
Use Case	Autonomous driving taxi	
Blueprint proposed Name	RoboTaxi	
Initial POD Cost (capex)	Leverage Unicycle POD - less than $150k	
Scale & Type	Up to 4 servers, x86/Arm server or deep edge class With nVIDIA Tesla P4/T4 GPUs	
Applications	Autonomous driving taxi	
Power and memory restrictions	Less than 10Kw	
Infrastructure orchestration	Docker 1.13.1 or above K8s 1.12.5 or above- Container Orchestration OS – CentOS 7.0 or above	
SDN	Calico container networking, or OVS-DPDK	
Workload Type	Containers	
PaaS	OTE Stack + Baetyl + OpenNESS	
Additional Details	N/A	



As per the Akraino Community process and directed by TSC, any person wishing to be PTL shall self nominate themselves by putting a Y in the column. A blueprint which has only one nominee for Project Technical Lead (PTL) will be the elected lead. If there are two or more, an election will take place.

Self Nominations begin on 25 March 2021 and will conclude on 1 April 2021

Committer	Committer Company	Committer Contact Info	Committer Bio	Committer Picture	Self Nominate for PTL (Y/N)
Hechun Zhang	Baidu	zhanghechun@baidu.com zhanghechun@gmail.com	Seasoned MEC and 5G Solution Architect of Baidu, with impressive 9 years experience in the ICT industry. Project Manager of ODCC Edge Computing Group.		
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Liya Yu	Baidu	yuliya@baidu.com			Y
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Proposed PTL:

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Contributors:

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