

IEC Type 1 for Integrated Edge Cloud (IEC) Blueprint Family

Project Technical Lead: Trevor Tao. 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 [Akraio Technical Community Document](#) section 3.1.3 for more detailed information.

Committer	Committer Company	Committer Contact Info	Committer Bio	Committer Picture	Self Nominate for PTL (Y/N)
Song Zhu	Arm	song.zhu@arm.com			N
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Blueprint species:

Use Case Attributes	Description	Informational
Type	New	
Blueprint Family - Proposed Name	Integrated Edge Cloud (IEC)	
Use Case	Small deployment of edge end and cloud environment.	
Blueprint proposed Name	IEC Type 1	
Initial POD Cost (capex)	- The defining factor is power consumption < 50 W - The cost of the POD will depend on peripherals and case	
Scale & Type	A single-board computer that meets the power limit	
Applications	IEC applications	
Power and memory restrictions	- Less than 24 W for the SoC - Less than 16GB of memory	

Infrastructure orchestration	ONAP Edge Automation/Kubernetes Edge Cloud orchestration	
SDN	Calico container networking, or SR-IOV, OVS-DPDK or VPP-DPDK (Contiv/VPP)	
Workload Type	Containers	
Additional Details	Submitter to provide additional use case details	