MEC API Framework

Link to process-SC review record Graduation reviews

<u>Project Technical Lead:</u> Lokanath Padhu

<u>Project Committers detail:</u>

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.

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.

Committer	Committer Company	Committer Contact Info	Committer Bio	Committer Picture	Self Nominate for PTL (Y/N)
Lokanath Padhu	Nokia	lokanath.padhu@nokia.com			Y
Pekka Kuure	Nokia	pekka.kuure@nokia.com			

Use case

Use Case Attributes	Description	Informational
Type	New submission	
Industry Sector	Telco and carrier networks, enterprise networks, private networks, multi-access networks, edge cloud and verticals	
Business driver	One of the key drivers of 5G Systems are ultra low latency and high reliability communications enabled by edge clouds. Services can be hosted close to the end users and new type pf services can be enabled by exposing contextual information to applications. In this framework the services can be enhanced with Machine Learning. Applications hosted in distributed cloud i.e. edge and central cloud, can consume services offered by service producers. Service consumers can discover the services that are available in that location via API framework. Similarly. the service producers can advertise their offerings via the same API framework. In addition to service discovery, the API framework allows authentication and authorization and can also provide communications transport to the service consumers and producers.	
Business use cases	For Example: 1. An application in an enterprise network providing services using contextual information based on the location and Wifi network information 2. In a private network in a factory, an application collects IoT sensor information and makes it available to machine learning functions 3. An application in an edge cloud using radio network information and V2X control path information from a mobile network offers safety information to vehicles on the road	

Business Cost - Initial Build	Depending on the deployment	
Business Cost - Operational	N/A	
Operational need	Orchestration framework (such as ONAP) needs to enable applications in a distributed cloud discovering their local service registry for service discovery	
Security need	The solution should support granular access control and secure communications between service producer and service consumer	
Regulations	N/A	
Other restrictions		
Additional details		

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