Integrated Edge Cloud (IEC) Blueprint Family

Presentations:

Akraino-TSC- May...019 -- IEC.pptx

Akraino-- IEC Rep...ng v0.1s (1).pptx

Akraino_Bluepri..._Edge_Cloud.pdf

Use Case:

Use Case Attributes	Description	Informational
Type	New	
Industry Sector	Telco networks, especially network edge and edge cloud	
Business driver	The Integrated Edge Cloud (IEC) will enable new functionalities and business models on the network edge. The benefits of running applications on the network edge are - Better latencies for end users - Less load on network since more data can be processed locally - Fully utilize the computation power of the edge devices	
Business use cases	The IEC has several deployment models that each support different business cases: 1. Telco/enterprise Edge cloud – for example, MEC or branch office data center… 2. Telco/enterprise remote edge locations – edge platform with limited resources, for example, SD-WAN, IoT gateway…	
Business Cost - Initial Build	The cost of the IEC consists of the following parts: 1. The cost of remote edge end devices 2. The cost of the edge cloud servers and networking devices 3. The software maintenance cost 4. Other cost not so explicit right now	
Business Cost - Operational	The IEC device software should be fully manageable remotely with automation. The automation should also support zero touch provisioning and management tools to keep operational cost lower.	
Operational need	The IEC must be fully operable remotely with automation. It should be able to recover from network failures by reverting to a known good network configuration.	
Security need	The solution should have granular access control and should support periodic scanning.	
Regulations	The IEC should meet all the industry regulations of data privacy, security, and environmental conditions.	
Other restrictions	Depending on the IEC deployment scenarios and environment, there can be other requirements.	
Additional details	There are typical edge end applications running on the edge end devices which provides fast network functions and responses to the end users.	