Project Cassini - IoT and Infrastructure Edge Blueprint Family

Family - Project Cassini - IoT and Infrastructure Edge

Use Case Attributes	Description	Informational
Type	New	
Blueprint Family - Proposed Name	Project Cassini - Unlocking the IoT and Infrastructure Edge's potential	There are many possible Use Cases that would be covered under Project Cassini
Use Case	All of the use cases under Project Cassini	See below
Blueprint proposed	Smart Cities Industrial IoT Gateways Software-Defined Embedded Edge Orchestrating Apps at the edge Universal CPE Software-Defined Smart Cameras IIoT and Smart Manufacturing Connected Space and Smart Buildings Oil & Gas	Explore how the Secure Municipal, Agricultural, Rural, and Telco Edge Research (SMARTER) stack leverages Project Cassini for virtualized, multi-tenant architectures for Intelligent Gateways for smart city architectures.
Initial POD Cost (capex)	Varies widely depending on the Blueprint	
Scale of Servers	Varies widely depending on the Blueprint	
Applications	Multiple workloads on diverse devices and gateways, deployed through containers and orchestrated in a uniform and consistent way regardless of the application, OS, OEM/ODM or Silicon provider	
Power Restrictions	None/Varies	
Preferred Infrastructure orchestration	Docker/K8 - Container Orchestration Integration of PARSEC with runtime environment OS - Linux, Windows IoT, Android, both commercial or off the shelve Open Source OS.	
Additional Details	**Project Cassini** is an open, collaborative, standards-based initiative to deliver a cloud-native software experience across a secure Arm edge ecosystem.	

This is for the Family, Blueprint creators are welcome to join by adding their name.

Committer	Committer Company	Committer Contact Info	Time Zone	Committer Bio	Committer Picture	Self Nominate for PTL (Y/N)
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