

# Blueprint Proposal: Serverless

Case Attributes	Description	Informational
Type	New Blueprint for Serverless capability at the Edge	
Blueprint Family - Proposed Name	Network Cloud	
Use Case	Provide FaaS (Function as a Service) for Serverless Applications	
Blueprint proposed Name	Serverless	
Initial POD Cost (capex)	Leverage Unicycle POD - less than \$150k	
Scale & Type	Up to 7 servers x86/ARM server or deep edge class	
Applications	Ephemeral event driven transactions for IoT gateway. For example, applications for autonomous cars.	
Power Restrictions	Less than 10Kw	
Infrastructure orchestration	Kubeless Docker 1.13.1 or above and K8s 1.10.2 or above- Container Orchestration OS - Ubuntu 16.x Under Cloud Orchestration - Airship v1.0	
SDN	OVS	
Workload Type	Containers	
Additional Details	VerneMQ MQTT Gateway and/or Mosca MQTT Broker Kafka message bus and Webhook/Nginx middleware Kubeless function management engine over Kubernetes Helm chart for platform infrastructure installation integrated with Airship Regional controller based installer for Functions	See next slide for additional details

# Serverless Blueprint

