Pets vs Cattle

Standalone Service ID in Routing Network

Dongyu Yuan, ZTE Corporation
Diversity of apps, Coordination of micro-services

Identify and guarantee SLAs of multi-tasking flows, scheduling and orchestrating forwarding path for transient life cycle of computing tasks.
Difficiencies and Problems?

For Cloud Native era:
“Cattle” , Pods, Containers, ......
“Pet” , Physical Devices, VMs, ......

Bureaucracy Style -
interceptions, proxies, sidecars, ...

Standalone Service ID - smart and agile Pet
Standalone Service ID in Routing Network

Upper layer

Infrastructure (IP networks, ...)

Services & APPs

Service Identification

Network Infrastructure

Different Providers, Different Domains

Unified Interface & Index:

Unique Sematics across Infrastructures designed for Full-circle of Service, Cross Layer, Reflection of Demands & Conditions
Side Meeting

18:30-20:00  P6-7  TUESDAY 19 March
Standalone Service ID in Routing Network

Standalone Service ID in Routing Network: Use cases, Problems and Requirements

yuan.dongyu@zte.com.cn
huang.guangping@zte.com.cn