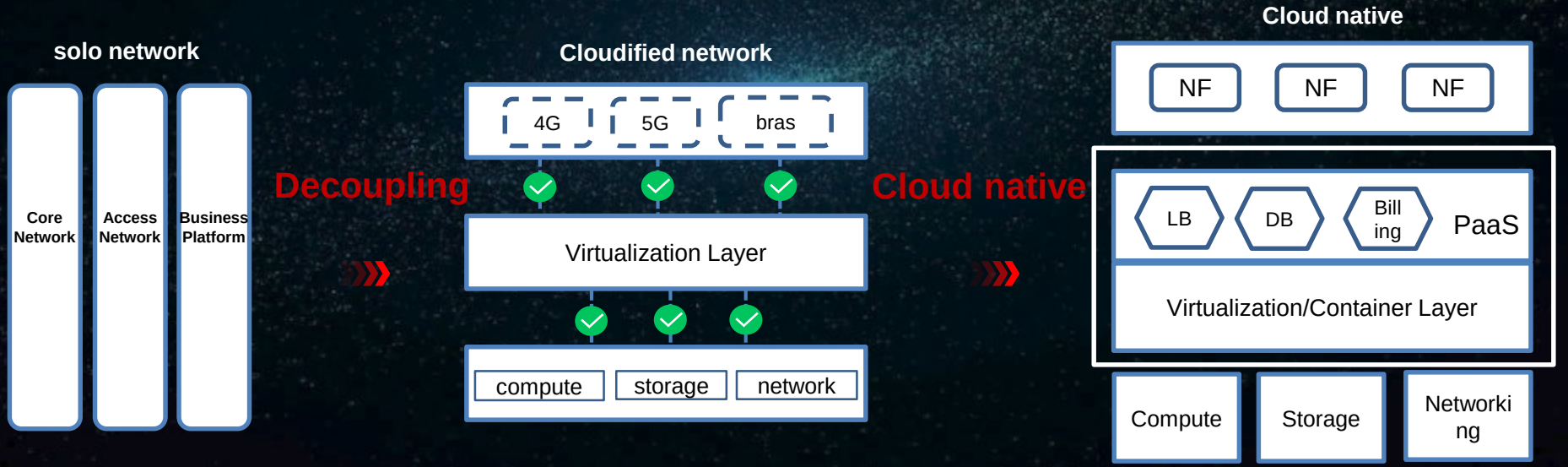
Cloud Native in Telecom Cloud

Contents

1. Why we need Cloud Native in Telecom Cloud
2. How to achieve Cloud Native?
3. What can XGVela do?

Why we need Cloud Native?

- With the help of NFV, SDN and orchestration management technology, current operator network is transforming from the traditional equipment to the layered and decoupled cloud network.
- In the future, with the application of container, micro service and other technologies, it will eventually evolve into the cloud native network



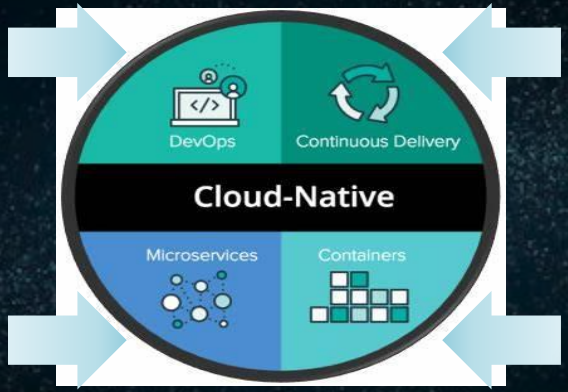
Why we need Cloud Native?

Fast-paced change in 5G requirements

- High flexibility in 2B scenarios
- Quick function upgrade
- Agile capabilities release

VM platform is inadequate

- Guest OS cumbersome
- Low deployment density
- Slow start and stop of virtual machine



Open & healthy eco-system

- Reduce barriers to enter the telco-industry
- Introduce healthy competition
- Expand and prosper the ecosystem
- Reduce the cost on network construction

Autonomous control of PaaS

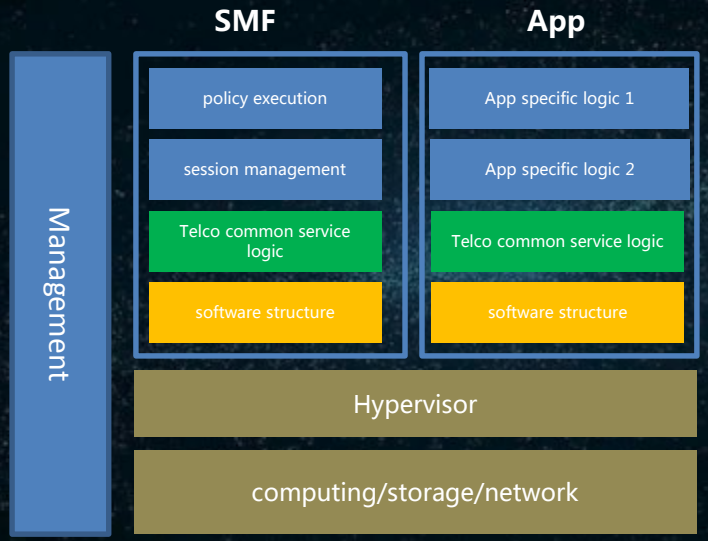
- Carefully selected common services from NE to platform
- Standard APIs to provide capabilities
- Application development focus on service logic

Contents

1. Why we need Cloud Native in Telecom Cloud
2. How to achieve Cloud Native?
3. What can XGVela do?

How to achieve Cloud Native?

+ New template
+ New orchestration



+ Microservice

+ Common Service
+ PaaS

XGVela

+ Container

CNTT

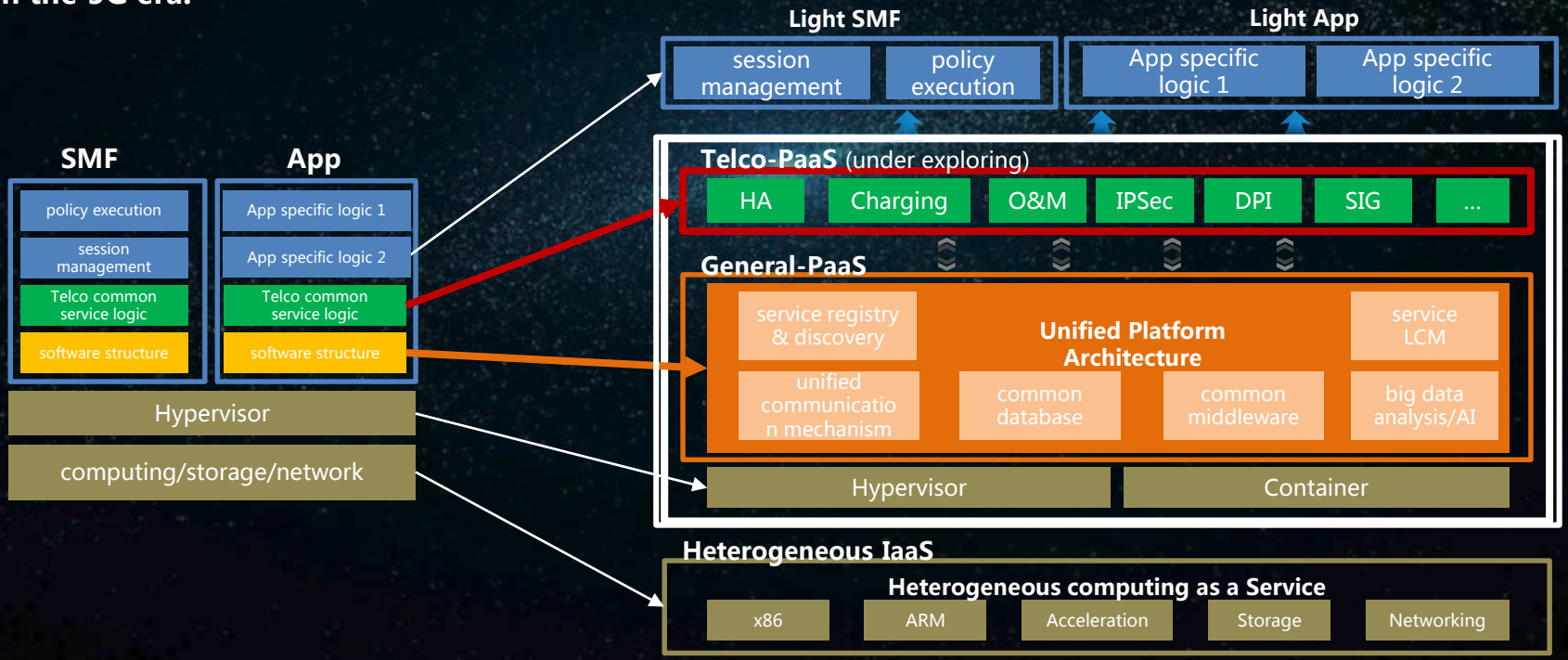
kubernetes

Contents

1. Why we need Cloud Native in Telecom Cloud
2. How to achieve Cloud Native?
3. What can XGVela do?

What can XGVela do?

- XGVela is an open source cloud native PaaS for applications and telco network functions, which is to enable new services and help mobile operators to seize the business opportunity from vertical industries in the 5G era.



Contact

- XGVela is founded under Linux Foundation. All interested members are encouraged to contribute to the work of XGVela.
- If you are interested in this project, more information can be found in this link. https://github.com/XGVela/XGVela/wiki
- Or, welcome to talk with us if you need more information
  - **Qihui Zhao (zhaoqihui@chinamobile.com)**
  - **Xuxia Zhong (zhongxuxia@chinamobile.com)**

中国移动
China Mobile

THANKS!