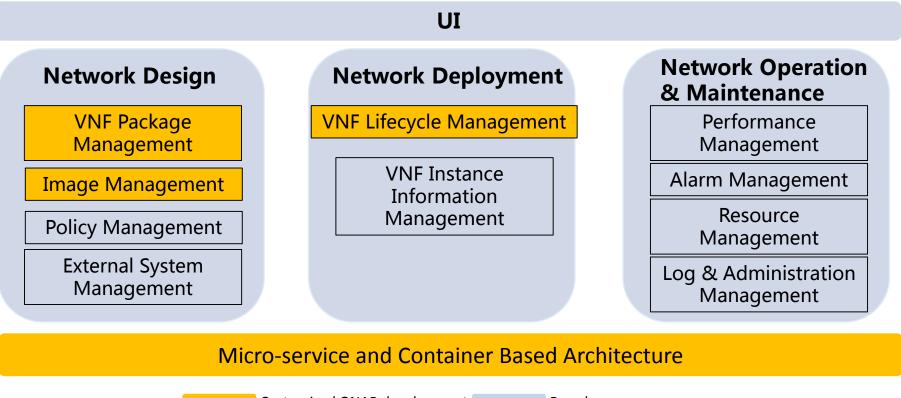


ONAP Real-World Trial ——NFVO Orchestrator

Chuyi Guo, guochuyi@chinamobile.com China Mobile 2019.1.9

CMCC NFVO Functional Framework

NFVO develops UI and various functions of FCAPS in combination with the features of NFV network management, and has the Devops characteristics of open and flexible architecture, fast deployment and upgrade.



Customized ONAP development 💻

Brand new





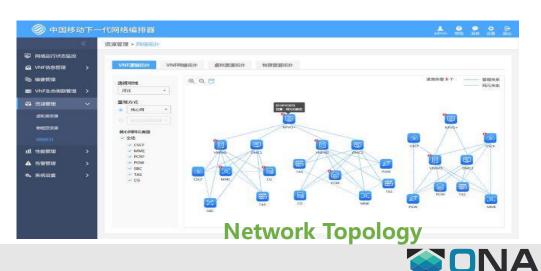
CMCC NFVO Features

- Easy to finish VNF deployment, scaling, termination, etc.
- Ability to monitor resource changes, performance and failure status at all NFV network levels.

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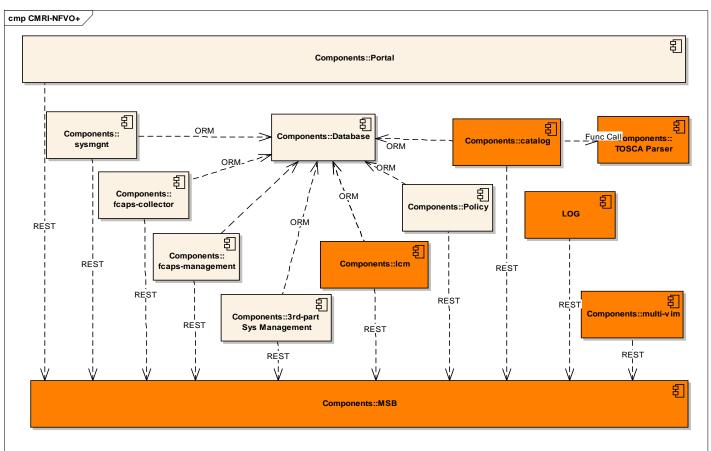


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Technical Architecture

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- Align with ONAP R2 achievement, combine community module with self-developed module.
- Introduce the functions of backup and load balance, database cluster and virtual IP to increase reliability.

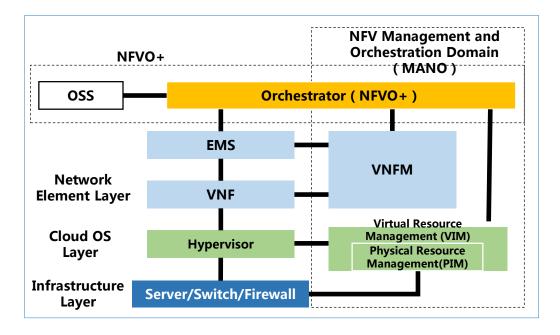


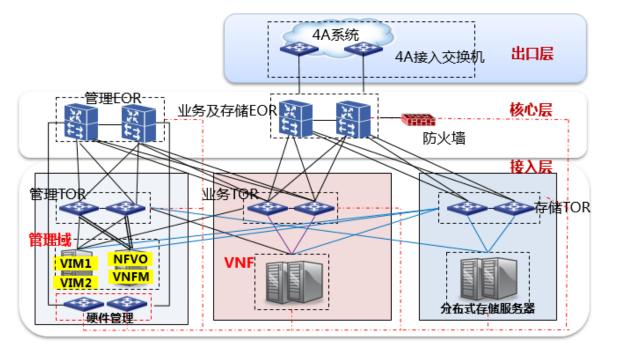
- Provide Restful APIs in Web Service mode (except TOSCA Parser components);
- Component independence
- Micro-service bus function
- Ability to integration with other micro-service management and control platform
- Decomposable and integral microservice integration



Deployment Testing

- Network Element Layer、Cloud OS Layer、Infrastructure Layer are decoupled from each other;
- Has passed tests of network element lifecycle management;
- Verification of other performances is in progress.





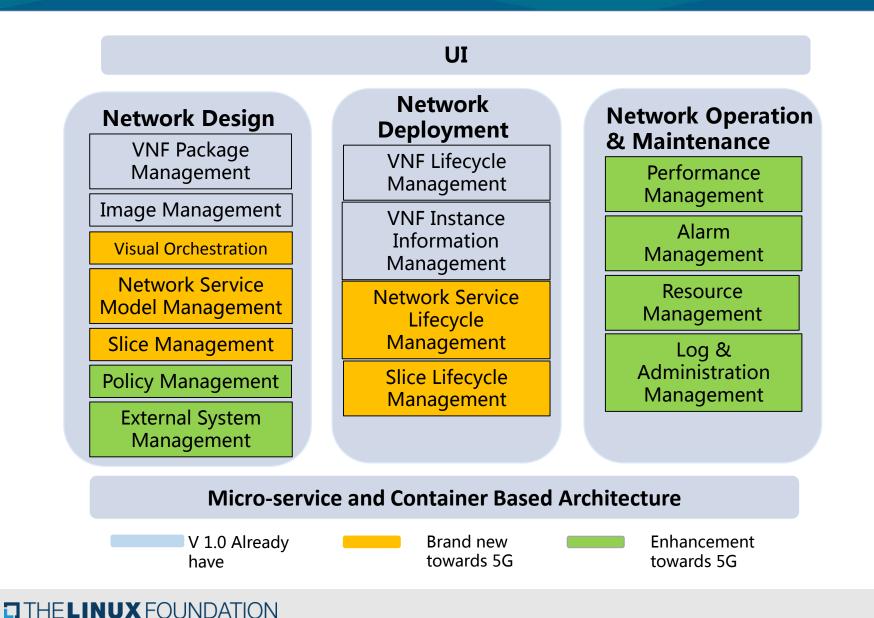
Testing Network



Testing System

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Future Plan: Towards 5G Function



Future Plan for NFVO+ Orchestrator Architecture





Thank you!