

REQ-627 – CNFO – Istanbul Extensions

Lukasz Rajewski (Orange)

Seshu Kumar M (Huawei)

CNFO - Summary for the requirement subcommittee

Executive Summary - Provide CNF orchestration support through integration of K8s adapter in ONAP SO

- Support for provisioning CNFs using an external K8s Manager
- Support the Helm based orchestration
- leverage the existing functionality of Multi cloud in SO
- Bring in the advantages of the K8s orchestrator
- Set stage for the Cloud Native scenarios

Owners: Lukasz Rajewski (Orange), Seshu Kumar M (Huawei)

Business Impact - Enables operators and service providers to orchestrate CNFs based services along with the VNFs and PNFs

Business Markets - All operators and service providers that are intended to use the CNFs along with PNFs /VNFs

Funding/Financial Impacts - Reduction in the footprint of the ONAP for CNF support.

Organization Mgmt, Sales Strategies - *There is no additional organizational management or sales strategies for this requirement outside of a service providers "normal" ONAP deployment and its attendant organizational resources from a service provider.*

REQ-341
Guilin

REQ-458
Honolulu

REQ-627
Istanbul+

CNFO Evolution

SAMSUNG orange intel



DLF NETWORKING
vFW CNF Use Case Evolution

Konrad Bańka (Samsung)
Samuli Silvius (Samsung)
Łukasz Rajewski (Orange)

23.06.2020

REQ-182

This slide features a purple and blue nebula background. At the top, it lists the logos for Samsung, Orange, and Intel. The main title is 'DLF NETWORKING vFW CNF Use Case Evolution'. Below the title, the names of the presenters are listed: Konrad Bańka (Samsung), Samuli Silvius (Samsung), and Łukasz Rajewski (Orange). The date '23.06.2020' is in the bottom left corner. A grey starburst graphic with the text 'REQ-182' is positioned at the bottom right of the slide.

orange HUAWEI T-Mobile SAMSUNG AT&T intel



DLF NETWORKING
Virtual Developer & Testing Forum
June 22 - 25, 2020

ONAP CNFO
Orchestration of the Containerized Network Functions

Seshu Kumar M (Huawei)
Łukasz Rajewski (Orange)

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REQ-341

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orange HUAWEI SAMSUNG NOKIA AT&T intel



DLF NETWORKING
Virtual Technical Meetings

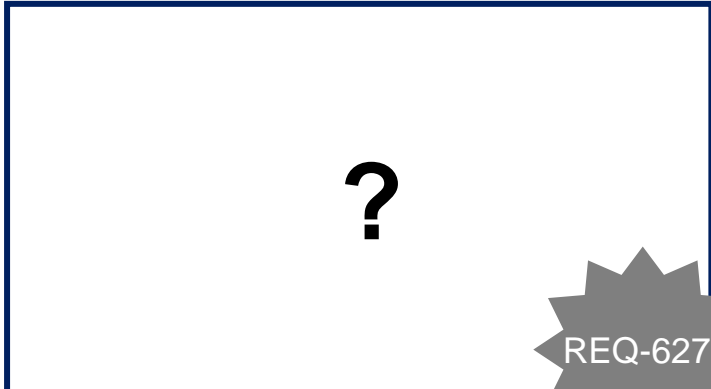
REQ-341 – CNFO – Next Steppingstones
Towards CNF In Production Deployments

Łukasz Rajewski (Orange)
Seshu Kumar M (Huawei)

14.10.2020

REQ-458

This slide features a purple and blue nebula background. At the top, it lists the logos for Orange, Huawei, Samsung, Nokia, AT&T, and Intel. The main title is 'DLF NETWORKING Virtual Technical Meetings'. Below the title, the subtitle is 'REQ-341 – CNFO – Next Steppingstones Towards CNF In Production Deployments'. Below the subtitle, the names of the presenters are listed: Łukasz Rajewski (Orange) and Seshu Kumar M (Huawei). The date '14.10.2020' is in the bottom left corner. A grey starburst graphic with the text 'REQ-458' is positioned at the bottom right of the slide.

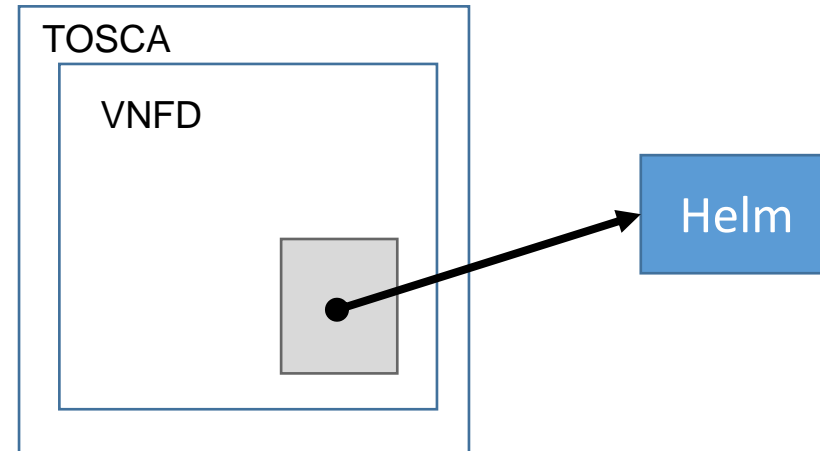
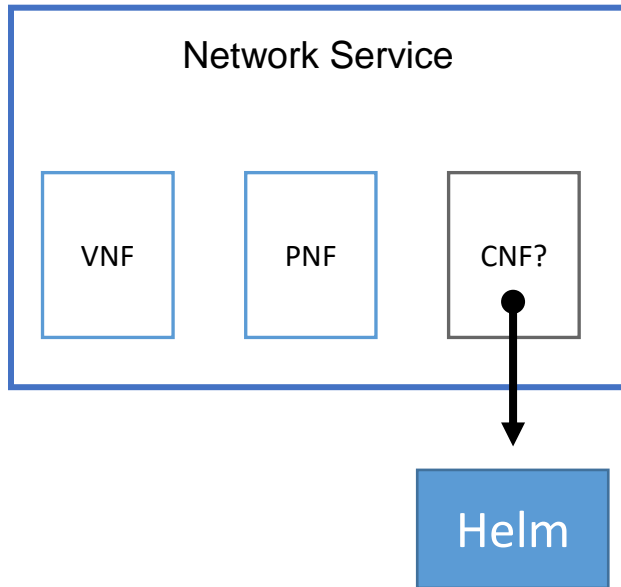


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REQ-627

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ONAP - ETSI CNF model Alignment



Integration of Native (CNF Adapter) with ETSi (SOL003 Adapter) paths in SO



Design/AAI CNF Model

How the ETSI CNF AAI model will look?

Scope for REQ-627 – Istanbul

- SDC Enhancements
 - Validation of Helm 3 package
 - Improvements in Helm distribution
- AAI model changes (stretch)
 - K8s resource (name, version, kind) -> similar role to vserver object
 - Snapshot of Status API result in AAI
 - AAI API - Exposure of Status API result with conversion to JSON
- K8sPlugin Helm Deployment Improvements
 - Query API for cluster resources
 - Helm 3 support
 - Query API notifications (stretch)
 - Pre-/Post-Installation Hooks (stretch)

REQ-627



Scope for REQ-627 – Istanbul

- SO CNFO Enhancements
 - Status API Integration
 - HealthCheck API Integration
 - Dedicated CNF Health Check Workflow in SO
 - Status Check
 - Test Jobs Execution
 - AAI synchronization after changes -> Query based (stretch)
 - CNF Tenant recognition (stretch)
 - Distribution of Helm package to k8splugin by CNF Adapter (stretch)

REQ-627

