ONAP Added Values for Cloud Native

- ONAP itself uses Micro-service architecture & uses Cloud Native principles
- ONAP Manages Network-service & application LCM across Multiple VIMs (Openstack, K8s)
- ONAP Design tools support multiple descriptions (Helm, TOSCA, HEAT etc.)
- ONAP OOF (Optimization) chooses the right locations to place workloads
- ONAP DCAE collects telemetry from remote sites, analyzes them and generate any control loop actions (Scale, Heal)

ONAP supports standard models & APIs as per ETSI, TMF, MEF, 3GPP

ONAP enables Day2 configuration of Network functions via RESTful API, NetConf, K8s CRDs

ONAP AAI is the central repository that keeps site/network element inventory and network service status.

ONAP SO (Service Orchestrator) is orchestrating different workloads: VNFs, PNFs, CNFs

ONAP is a comprehensive E2E Network Management Platform Solution
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<td>• Create VNF</td>
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**CNF support**
- OAuth2-based authentication support between SOL002/SOL003/SOL005 Adapters and SVNFM/NFVO
ONAP CNF Journey (REQ-341)

Prepared by Lukasz Rajewski (Orange), Seshu Kumar (Huawei)

Completed

- Embedding the Helm into the Heat package distro
- CLOUD_TECHNOLOGY_SPECIFIC artifact distributes Helm
- Installation of Helm package(s) into K8s cluster
- Basic Helm enrichment through CDS - Introduced

On-Going

- HELM artifact is Introduced to make Helm charts a first class citizen
- HELM artifacts supported in Day 0 and Day 1
- Native Helm support in E2E Orchestration
- Enhanced native Helm enrichment through CDS, K8s Plugin interactions.

Expected

- Cross community Integration and SDO Compliance
- Extension to CNF model with Health Check and Monitoring of CNF resources
- Auto discovery of K8S cluster in ONAP
- Intent Driven orchestration and Service Control Loop Inc. CNFs

Till Frankfurt

- HELM artifact is Introduced to make Helm charts a first class citizen
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 Guilin Brings

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Beyond

- Cross community Integration and SDO Compliance
- Extension to CNF model with Health Check and Monitoring of CNF resources
- Auto discovery of K8S cluster in ONAP
- Intent Driven orchestration and Service Control Loop Inc. CNFs

Do not Miss Tomorrow Session @12.30pm
ONAP Cloud Native Task Force Wiki: https://wiki.onap.org/display/DW/TSC+Task+Force+-+Cloud+Native

Mailing List: onap-cnf-taskforce@lists.onap.org
List URL: https://lists.onap.org/g/onap-cnf-taskforce
Thank You