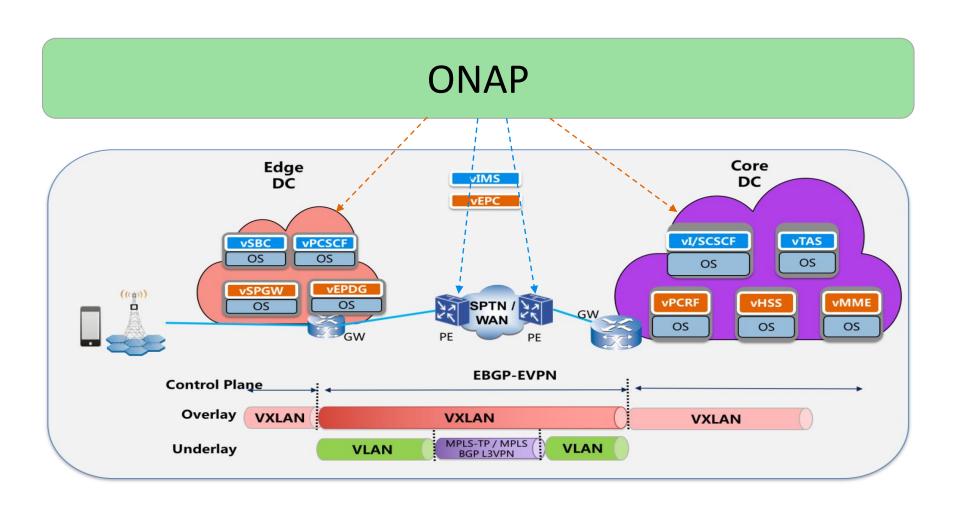




ONAP Capabilities Utilized by VoLTE Use Case

Integration Team

VolTE Use Case



Capabilities Used by VoLTE Use Case

- ✓ Model driven service design
- ✓ Multivendor VNF and PNF support
- ✓ MultiVIM/Cloud
- Cross WAN DCI underlay and overlay network support
- ✓ Workflow driven service orchestration
- ✓ Multiple ONAP controllers support
- Closed loop automation with data collection, data analytics and policy



ONAP Architecture

Portal

Big E-Services BSS/OSS Data Run-time **CLAMP** Usecase UI External Data Movement & APIs Dashboard OA&M Design-time (VID) Service A&AI SDC Orchestration Service VNF Design Design Lab High Availability Microservice Workflow Design Common Service **DMaaP ESR** Auth. ಹ Integration Bus Certification (specs **Policy Creation** Alarm Controllers **Analytic Application** Correlation Creation Modeling App (Holmes) VF-C (NFV-O, Recipie/ Multi-Engineering Rules & **GVNFM**) **DCAE** Policy APP-C Policy Distribution SDN-C **VIM** Multi Data Catalog VNFM/EM Collector S Driver (Monitor) **VNF SDK** Cloud & WAN OpenStack **VMware** RackSpace Azure 23

THE LINUX FOUNDATION

Legend:

From openECOMP

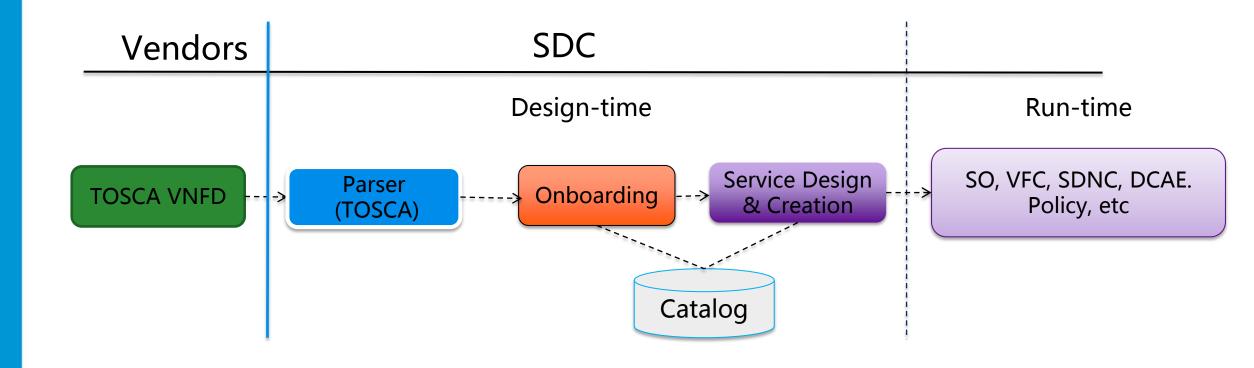
From **OPEN-O**

Convergence from both sides

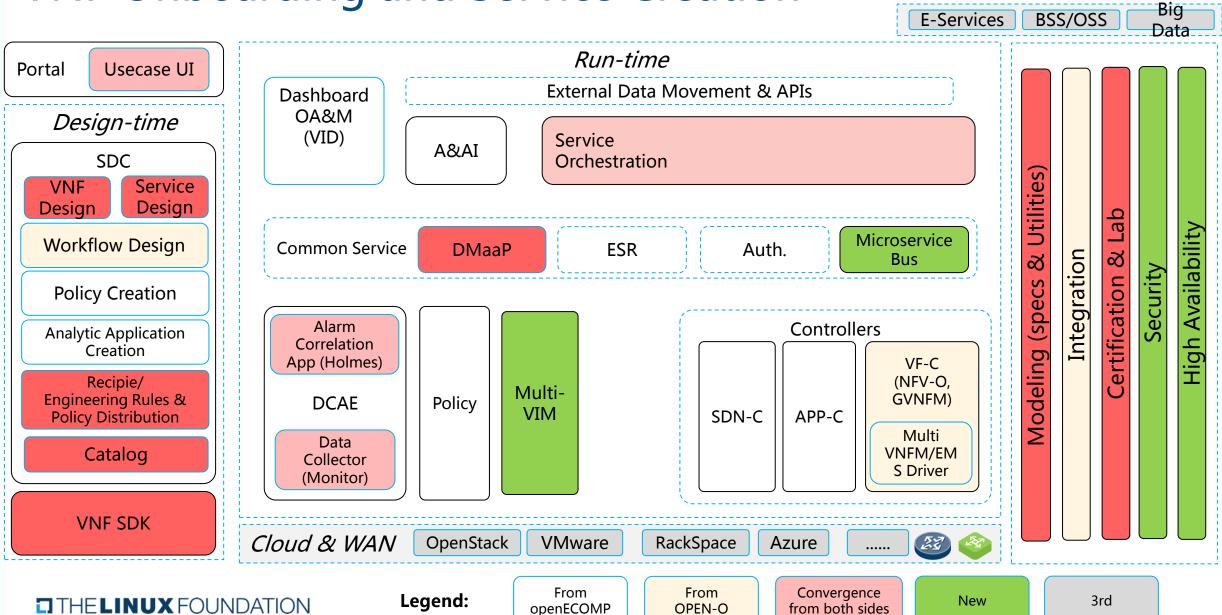
New

3rd

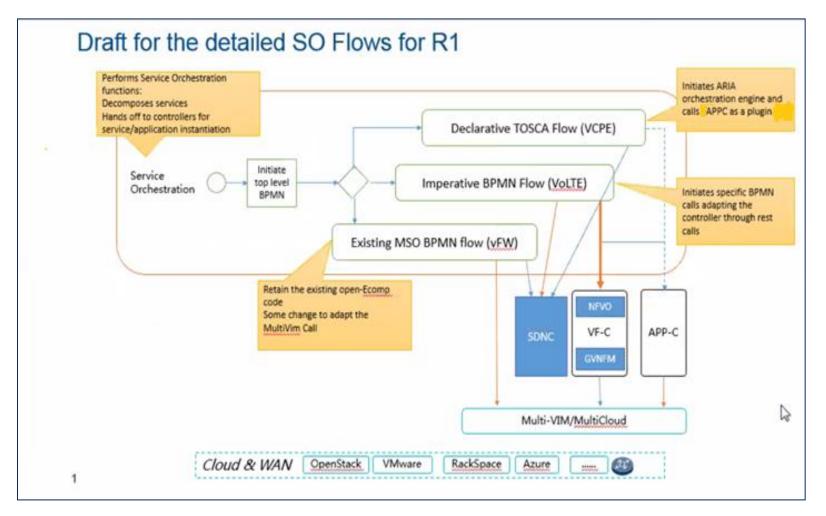
VNF Onboarding and Service Creation



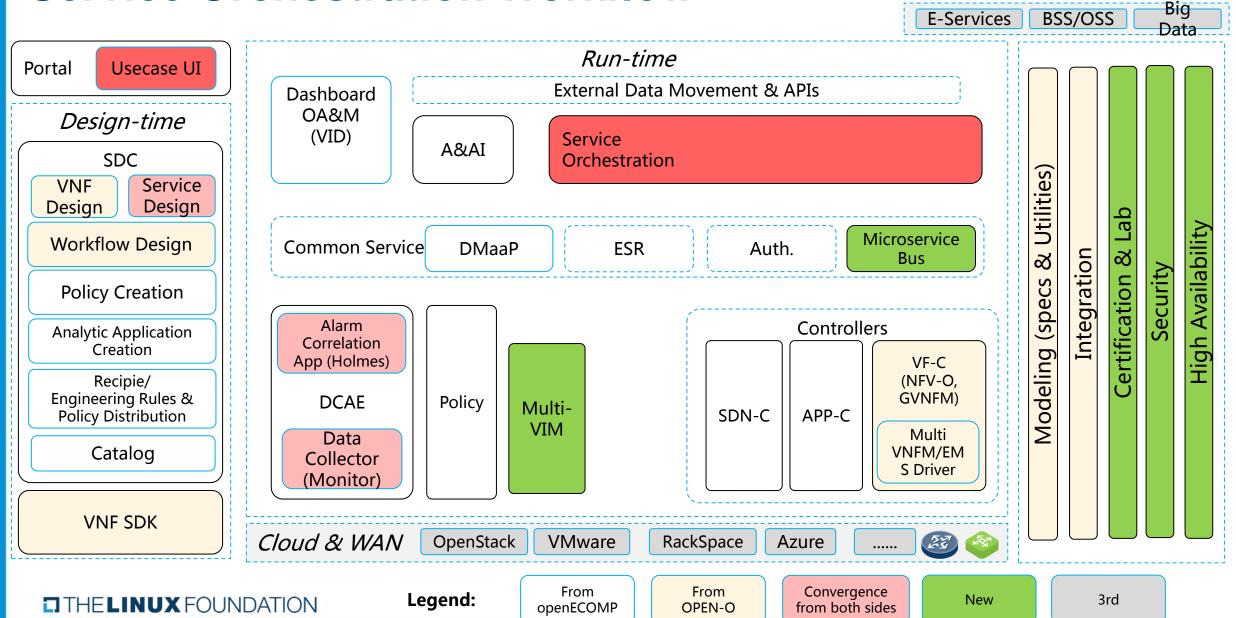
VNF Onboarding and Service Creation



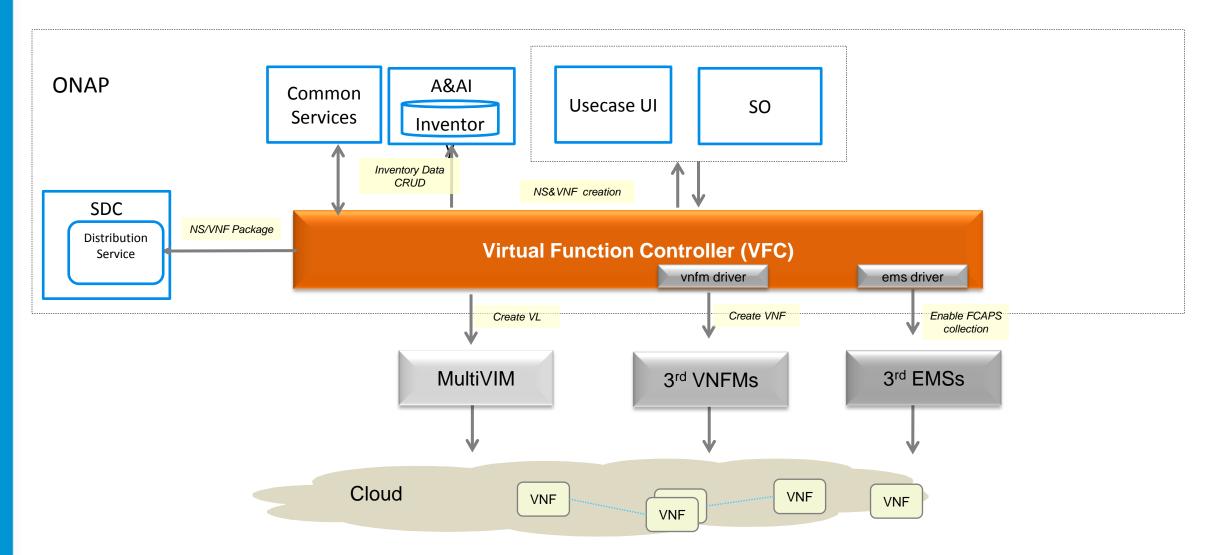
Service Orchestration Workflow



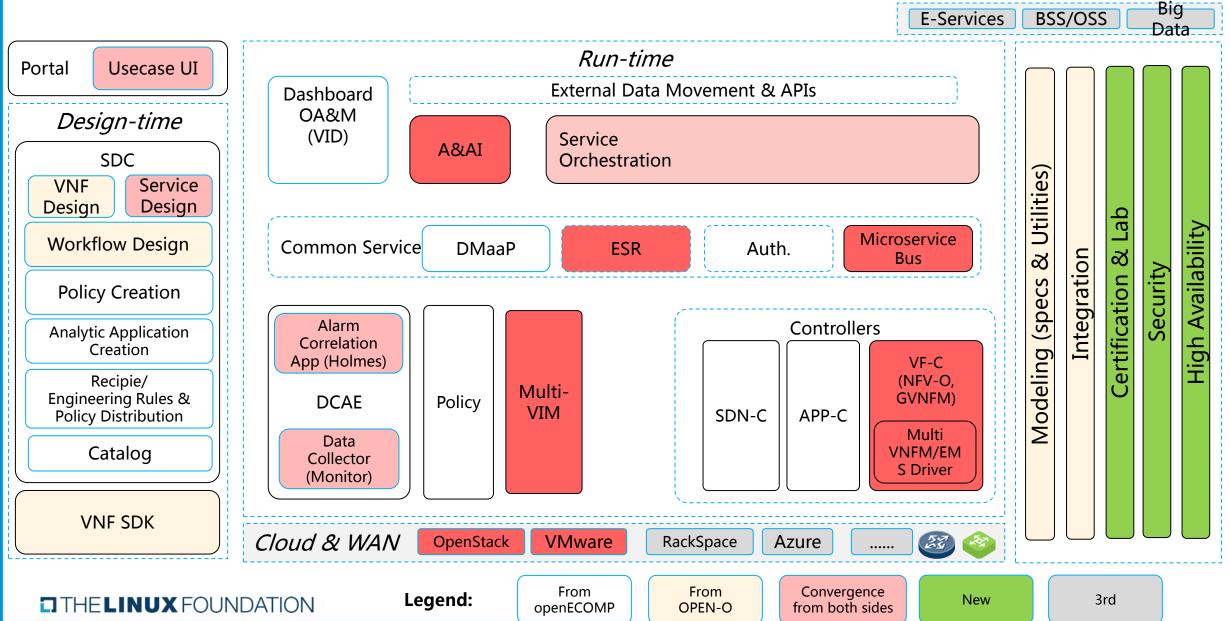
Service Orchestration Workflow



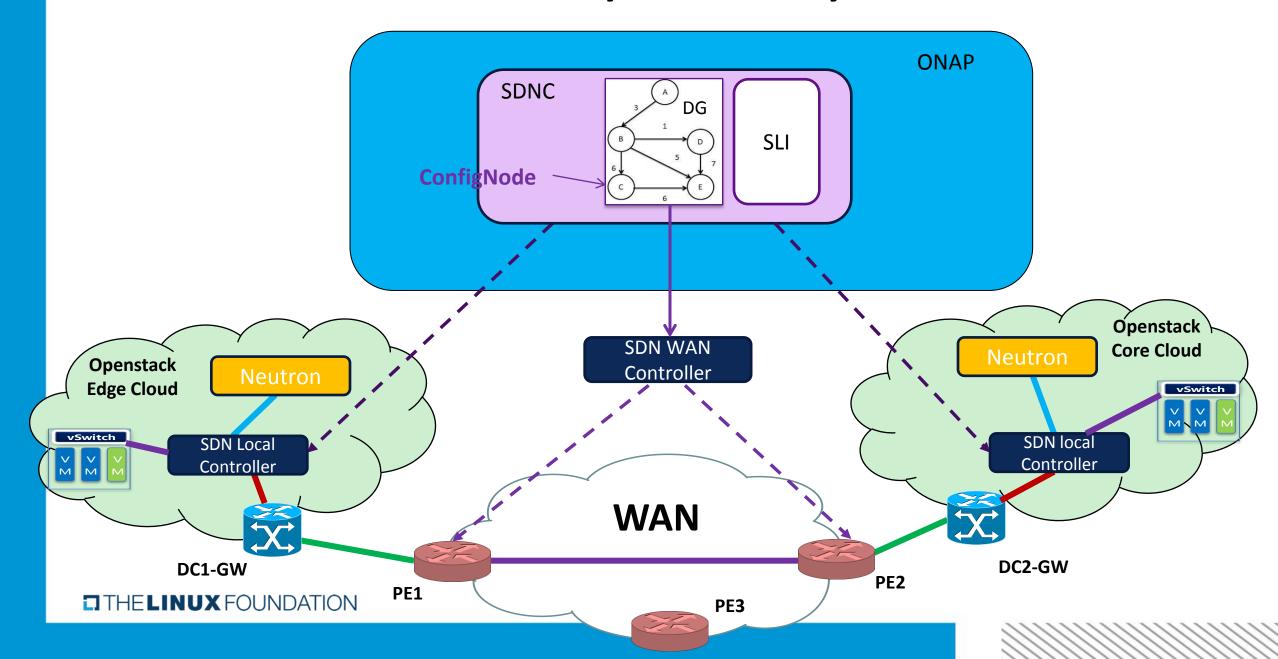
VNF and **NS** Instantiation



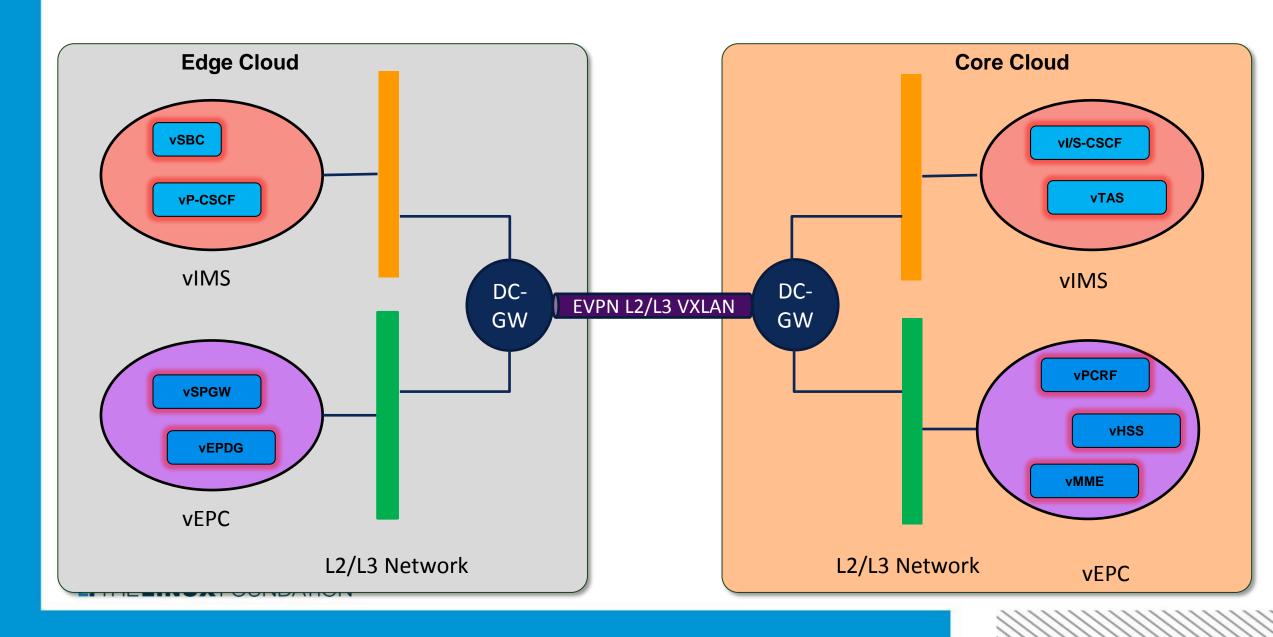
VNF and **NS** Instantiation



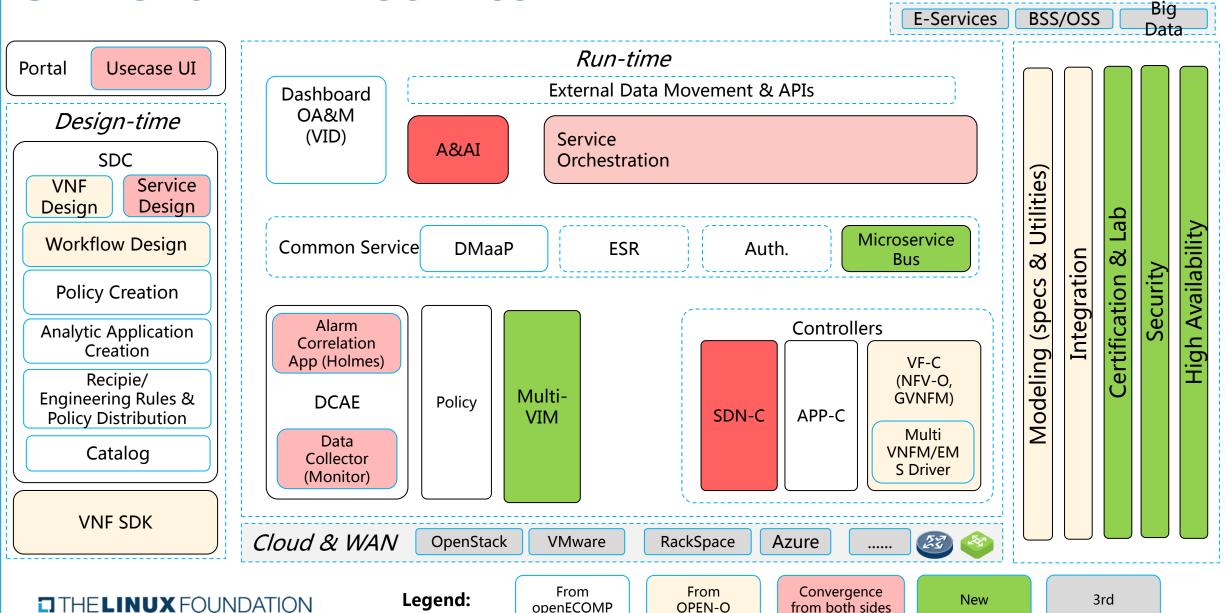
SDNC for WAN Underlay and Overlay Network Service



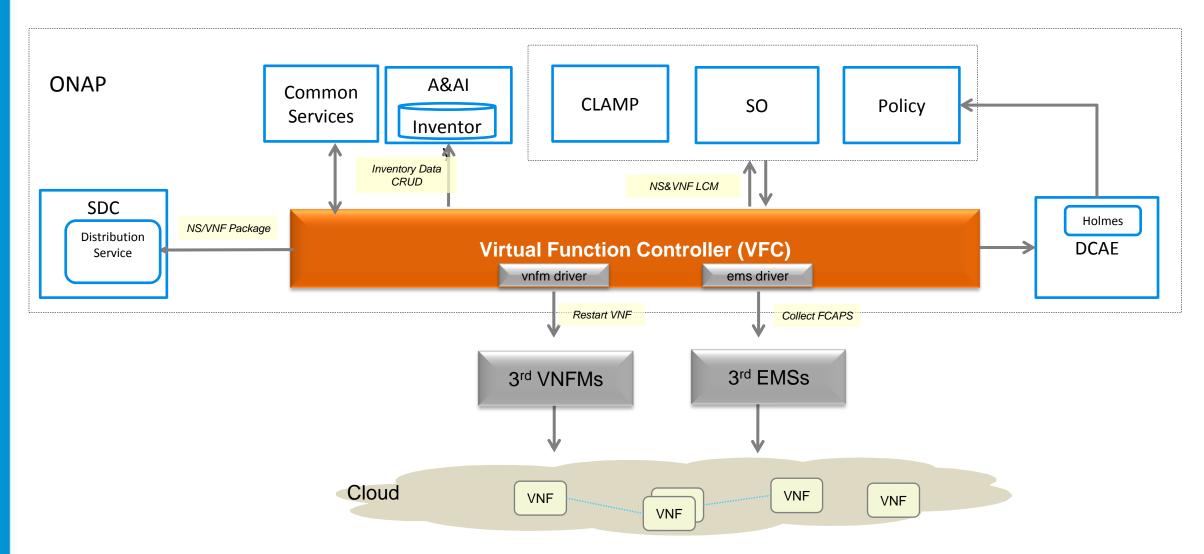
VLs Interconnected by DCI Network



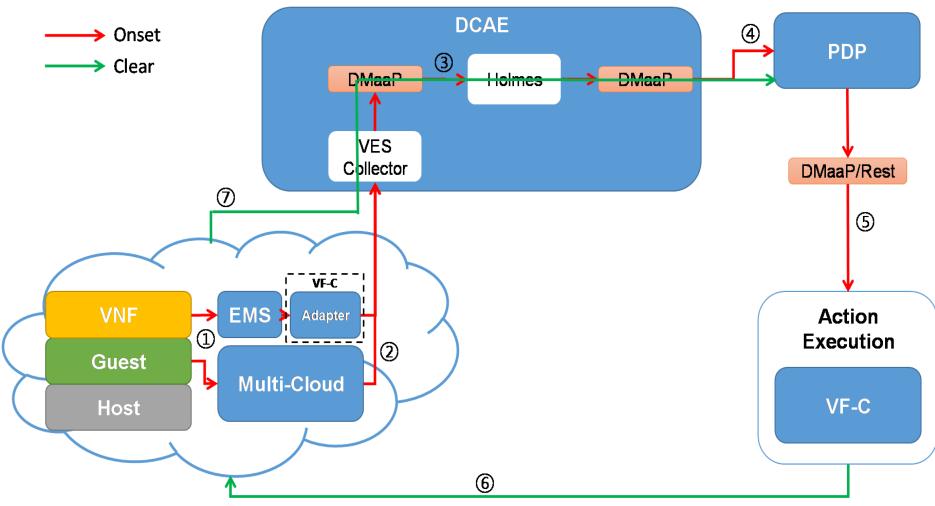
SDNC for WAN Service



Closed Loop Configuration and Automation



Data Collection & Analytics in DCAE





Closed Loop Configuration and Automation

Legend:

Big E-Services BSS/OSS Run-time **CLAMP** Usecase UI External Data Movement & APIs Dashboard OA&M Design-time (VID) Service A&AI **SDC** Orchestration VNF Service Design Design Lab **Availability** Microservice Workflow Design Common Service **DMaaP ESR** Auth. ಹ Bus ertification (specs **Policy Creation** Alarm Controllers **Analytic Application** High Correlation Creation Modeling App (Holmes) VF-C Recipie/ (NFV-O, Multi-**Engineering Rules & GVNFM**) DCAE **Policy** APP-C **Policy Distribution** SDN-C **VIM** Multi Data Catalog VNFM/EM Collector S Driver (Monitor) **VNF SDK** OpenStac RackSpac Cloud & WAN **VMware** Azure 23 Convergence From From

openECOMP

OPEN-O

3rd

New

from both sides

16

THE LINUX FOUNDATION