



ONAP R1 Release Use Story Impact Analysis

DRAFT

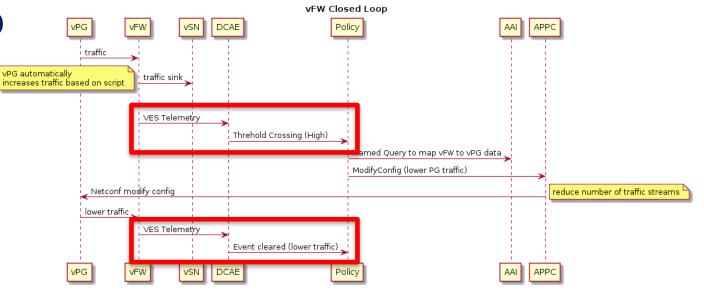
vFW/vDNS

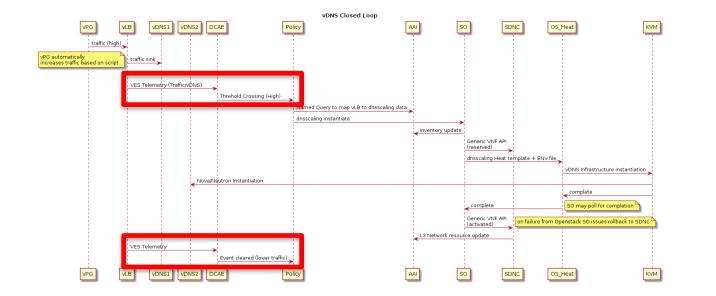
- On-boarding
 - DCAE Components
 - □VES Collector
 - □Threshold Crossing Analytics (TCA)
- Installation
 - Option 1: VES collector and TCA instantiated at DCAE instantiation time
 - Option 2: VES collector and TCA instantiated when Close Loop is started
- Configuration
 - Option 1: default configuration as part of on-boarding
 - Option 2: Policy supplied at run-time



vFW/vDNS Close Loop Runtime

- Control Loop
 - vFW:
 - □ Telemetry pushed from vFW to VES collector, VES publishes data to Message Router topic 1, TCA receives data and performs analytics, TCA generates alert if threshold crossed, TCA publishes alert to Message Router topic 2
 - vDNS:
 - □ Telemetry pushed from vLB to VES collector, VES publishes data to Message Router topic 1, TCA receives data and performs analytics, TCA generates alert if threshold crossed, TCA publishes alert to Message Router topic 2







vCPE

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vCPE Close Loop (auto-healing) Runtime

vCPE Closed Loop DCAE vG MUX Hypervisor **Control Loop** inject packet loss for demo only High packet loss via VES telemetry vGMUX pushes packet Threshold crossing ever loss to VES collector. could demonstrate stop, start, rebuild, etc from APPC VIM management functions based on Policy VES publishes data to query to get uuid with hostname confirm query parameters Stop VM Message Router topic 1, Stop VM Stop VM TCA receives data and GET VM Status performs analytics, TCA polling until status is stopped GET VM Status, Start VM generates alert if Start VM threshold crossed, TCA Start VM GET VM Status publishes alert to polling until status is started so APPC can proceed to next VM if needed for the use case Message Router topic 2 start (causes VG MUX to reboot) Packet loss is 0 restart should revert parket loss to 0 in script clear event Robot vG_MUX Policy MULTI VIM Hypervisor

vVoLTE

- On-boarding
 - DCAE Components
 - □VES Collector
 - □ Holmes correlation
- Installation
 - Option 1: VES collector and Holmes instantiated at DCAE instantiation time
 - Option 2: VES collector and Holmes instantiated when Close Loop is started
- Configuration
 - Option 1: default configuration as part of on-boarding
 - Option 2: Policy supplied at run-time



vVoLTE Control Loop

