K8S based Cloud Region Support

Purpose

Enable support for deploying Virtualized and Containerized networking workloads in Kubernetes based Cloud regions through MultiCloud/k8s plugin.

Scope:

- Enable the support for Helm charts based deployment.
- Show case using vFirewall use case.
 - $^{\circ}~$ Show case Legacy model (where firewall, traffic generator and sink are VMs)
 - Show case Hybrid model (where firewall is a container, traffic generator as a container and sink is VMs)
- Show case using EdgeXFoundry use case.

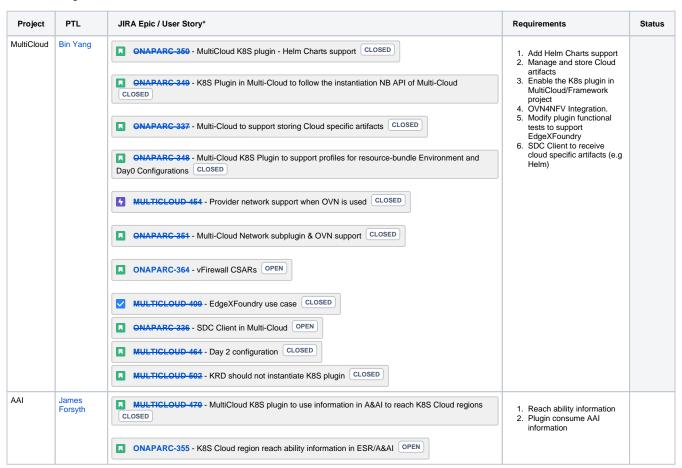
Owner: Ritu Sood and Kiran Kamineni

Contributing companies: Intel, VMWare Interested Operators: Verizon, ATT

Use Case Name

Showcase VNF	Test Environment	Integration Team Liaison
vFirewall	Intel/Windriver lab	Akhila Kishore and Ritu Sood
EdgeXFoundry	Intel/Windriver lab	Akhila Kishore and Kiran Kamineni

Development Status



SDC	Ofir Sonsino	■ CNAPARC-335 - Supporting Cloud specific artifacts in CSARs CLOSED SDC-2041 - SDC supports K8S plugin to add cloud specific artifacts CLOSED SDC-2045 - create User and Password for Multicloud component to access secure api CLOSED	Add non-HEAT files support to SDC Add K8S plugin artifact support Add User and Password for multicloud client
SO	Seshu Kumar Mudiganti	SO-1353 - SO to be made independent of Cloud technologies CLOSED	Make it more cloud agnostic
Integration	Helen Chen	■ MULTICLOUD 483 - Create CSIT for K8s plugin service CLOSED	Create CSIT
ООМ		ONAPARC-363 - OOM Helm charts for K8S Plugin service CLOSED	Create Helm chars for deploying the K8s plugin service

*Each Requirement should be tracked by its own User Story in JIRA

Testing

Current Status

- 1. Testing Blockers
- 2. High visibility bugs
- 3. Other issues for testing that should be seen at a summary level
- 4. Where possible, always include JIRA links

End to End flow to be Tested

Test Cases and Status

This should be a summary level Sequence diagram done in Gliffy

