ONAP MultiCloud Casablanca Highlights

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Agenda

• Highlights of Casablanca Release

• Showcase New Features:
  - Automated Multi-regions Discovery & Registry
  - Brief on k8s plugin
  - Brief and Demo: vCPE with HPA in Tosca template

• Q&A
Highlights of Casablanca Release

- Aligned to Functional Requirement: Consist ID of a cloud region
  - Upgraded API version to v1 to align the Consist ID, v0 will be maintained as well.
  - Decoupled the AAI cloud-region-id from OpenStack region id

- Optimizing the Integration with SO
  - New generic API: "/infra_workload" to offload interpreting resource artifacts from SO to MultiCloud

- Enhance HPA discovery/registration
  - Discover and register SRIOV NIC resources

- Expanding the support to infrastructures:
  - Add plugin to support OpenStack pike
  - Add plugin to support Azure cloud, kubernetes cluster (PoC)
  - Upgraded existing plugins
    - Wind River plugin: automate the discovery/registry of sub-clouds/multi-regions
Automated Multi-regions Discovery & Registry

- **Design spec**

- **User guide:**

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Step 1: Provision

Step 2: Onboard Primary region 1

Step 3: Verify (debugging purpose)

2.1 Create cloud region

2.2 Trigger registration

2.3.1 Secondary Regions discovery

2.3.2 Resource discovery

2.4.1 Register cloud regions for secondary regions

2.4.2 Resource update for each cloud region

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ONAP

A&AI

MultiCloud

Dump cloud region

ESR

Postman

OpenStack

Primary Region 1

Secondary Region 1

Secondary Region N
The End