

Consistent ID of a Cloud Region (Dublin)

Overview

This is the ongoing effort from Casablanca Release [Centralized Representation and Consistent Identification of Cloud Regions In ONAP](#).

With this functional requirement proposal, ONAP should have centralized representation of cloud regions to facilitate the on-boarding /decommission of a cloud region into ONAP, and ONAP projects /components should adopt the same format of ID of a cloud region when referring to the same cloud region.

During Casablanca Release, part of functional requirement has been realized by several projects, including but may not limited to:

- SO started the realization of Centralized Representation of Cloud Regions by integrating with MultiCloud
- SDNC upgraded the API to support Consistent ID of a Cloud Region
- MultiCloud realized the support to Consistent ID of a Cloud Region

It is expected to continue the realization of this functional requirement in Dublin Release and future releases.

Dublin Goals

Consistent ID of a Cloud Region: Enforce that all related projects to adopt the same format of ID when referring to a cloud region: Use the composite keys: {cloud-owner}, {cloud-region-id}

Depreciate the usage of {vim-id} or sole {cloud-region-id}

More Info about how AAI represent cloud regions in Beijing Release:

[AAI REST API Documentation - Beijing](#)

https://gerrit.onap.org/r/gitweb?p=aai/aai-common.git;a=blob;f=aai-schema/src/main/resources/aai_swagger_html/aai_swagger_v13.html;h=4100f41e007349b4c08517690da97a5b44e8865b;hb=HEAD

cloud-region Object from AAI schema v13
<pre>cloud-region: object cloud-region designates an installation of a cloud cluster or region or instantiation cloud-owner: string Identifies the vendor and cloud name. First part of composite key should be formatted as vendor-cloudname cloud-region-id: string Identifier used by the vendor for the region. Second part of composite key </pre>

Centralized Representation of Cloud Regions: Optimizing the integration of SO and MultiCloud to make it be a default provisioning without manual tricking or hacking scripts.

Business Requirement

Presentations

[ConsistentRepresentationAndIdentificationOfCloudRegionV2.pdf](#)

Impacts

The impact projects includes VID, SO, SDNC, OOF, UII, VFC, APPC

Project Commitments

Project	PTL	Committed	
VID	Ittay Stern	COMMITTED	
SO	Seshu Kumar Mudiganti		
SDNC	Dan Timoney	COMPLETED	SO-1137 - Add cloud owner support to SDNC interface CLOSED
OOF	Sarat Puthenpura		
APPC	Takamune Cho	COMPLETED	APP-C evidence for Consistent ID of Cloud Region
UII	Tao Shen	COMMITTED	
VF-C	Yan Yang	COMMITTED	

By enforcing this functional requirement, ONAP users will be able to onboard a cloud region by either issuing a single curl command to AAI service, or a single click over ESR VIM registration GUI portal. The consistent ID of a cloud region will make it is easy to correlate the operations on a cloud region across the all ONAP services.

Scope

Dublin will target to realize this functional requirement across all related projects