Multi-tenancy : Architecture Review (Honolulu)

December 15, 2020
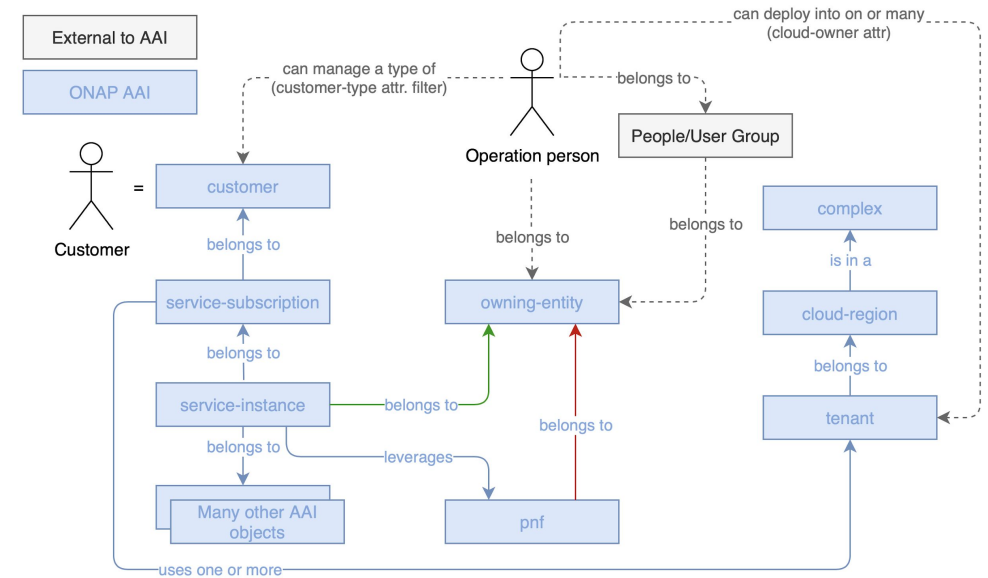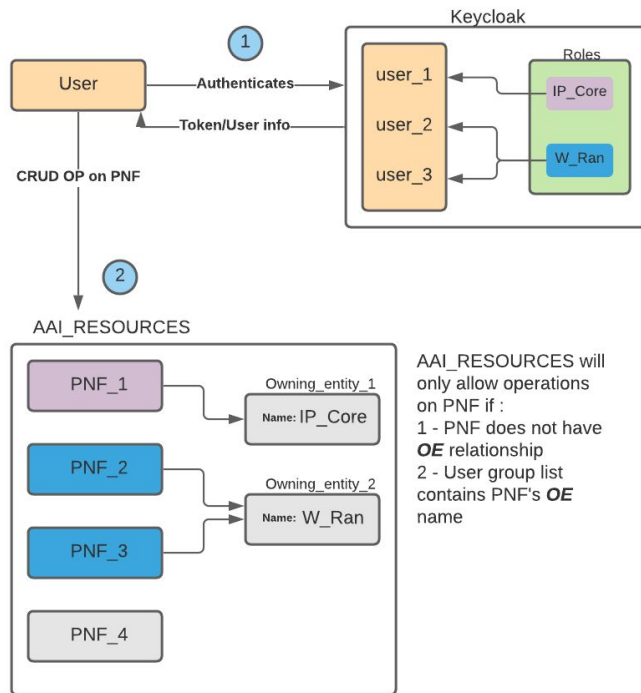
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A&AI Changes: Guilin

- Schema enhancements for ownership of data
  - Edge rule from PNF to Owning entity

- Authorization based on user's role and owning entity

Current Challenges

- Currently only *Pnf* and *Service instance* have edges to *Owning entity*

- It would require changes in the schema so that all the elements have edges to *Owning entity*

- Join to *Owning entity* required in queries to retrieve elements for a specific owner, hence less performance

Proposed Changes: data-owner attribute

- As of schema v21 all the elements will contain 3 new attributes, one of them being **data-owner**

- Set **data-owner** attribute when provisioning resources in order to specify who owns the specific resource

- Authorize/Deny operations on the resources based on **data-owner** attribute rather than *owning-entity* relationship