Guilin Proposed Requirements: Multi-tenancy
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What is needed

Some components are currently missing functionalities to allow ONAP to be used as a true multi-tenant platform where:

• Some resources can be shared between tenants, while other ones can be restricted to specific tenants / groups

• Tenants are isolated from one another and cannot impact each other, both at design-time and at runtime

• Several instances of some runtime components can run simultaneously and be managed by different user groups
Proposed Changes: SDC & AAI

• SDC
  - Owning group-based RBAC & authorization for viewing, authoring, updating and distributing:
    • Service models
    • Resource models
    • Policies
    • Controller blueprints

• AAI
  - More granularity in permission control
    • Set permissions per owning group / user, not only per role
    • Allow permissions on specific resources, not only on resource types
Proposed Changes: CDS & Policy

• CDS
  - Allow different instances of CDS blueprint processors / executors to coexist
    • Also implies that SO needs to associate a controller instance dynamically for a given service or resource
  - Allow different tenants to manage those instances

• Policy
  - Allow different instances of policy runtimes to coexist
  - Allow different tenants to manage those instances