



# 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