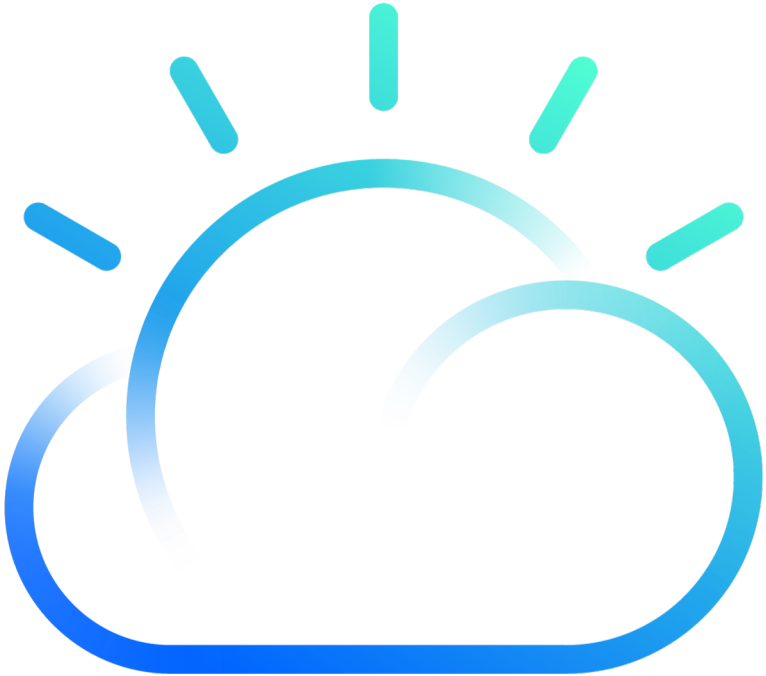
IBM **Cloud** private

an innovation accelerator

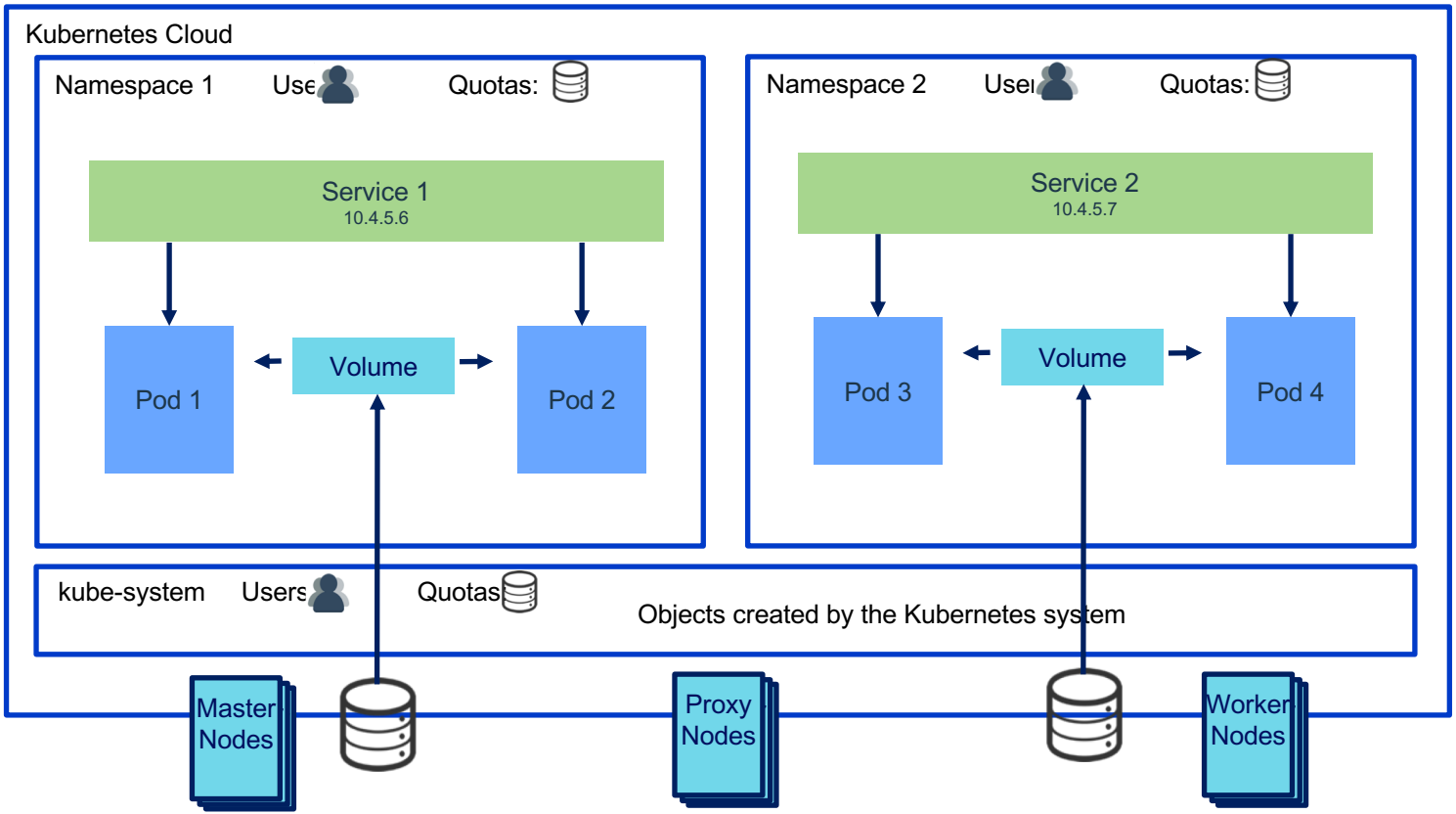


User isolation &
Role Base Control Access (RBAC)

Jérôme Tarte
IBM Cloud Adoption Leader
jerome.tarte@fr.ibm.com

IBM **Cloud**

One cloud, isolation across teams

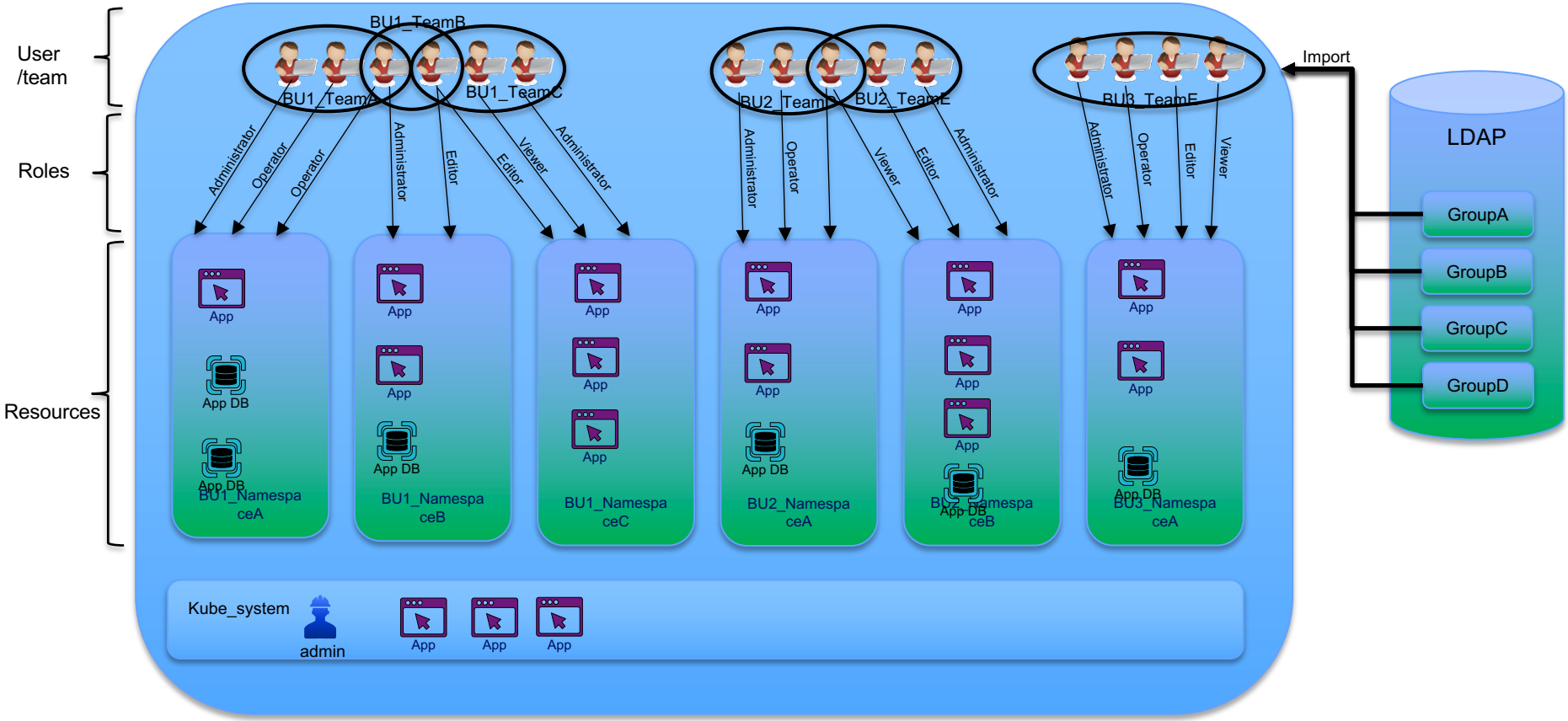


Quotas

Categories you can set quotas in a namespace:

- *Compute*
- *Storage*
- *Object count (pods, services, pvc, …)*
- *Scope*

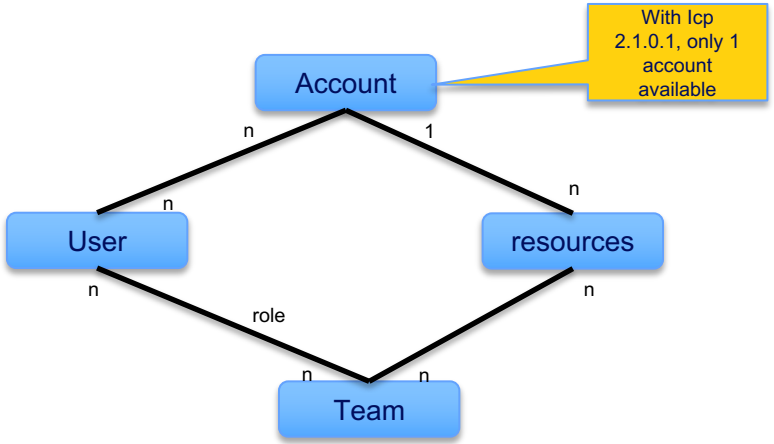
Team & namespaces isolation on ICP Kubernetes



Role-Based Access Control (RBAC)

Role	Description	Actions
Viewer	Has read-only access. By default, the Viewer role is assigned to users when they are added to a team.	The Viewer can view information about the team resources.
Editor	Has read and edit access.	The Editor can view and edit team resources.
Operator	Has read, edit, and create access.	The Operator can view, edit, and create team resources.
Administrator	Has add, update, view, and delete access.	The Administrator can create, update, and delete team resources.

- IAM role is assigned to a user when the user is assigned to a team
- Within a team, each user can have only one role.
- If a user is a member of multiple teams, the user can have different roles on each team.
- An IAM role defines the actions that a user can do on the team resources.
- Users are imported from the LDAP



In 2.1.0.2, resources includes namespace & images

RBAC and Cluster Administration

Provide cluster administration credentials to some users

– Use of Clusterrolebindings

– Avoid that all administration tasks are made by one generic user *admin*

  • *Improve traceability of actions*

Define credentials at Cluster level

– Credentials could be affined by role

  • Full administration

  • Operator

  • Viewer

Clusterrole and Clusterrolebinding versus Role and Rolebinding

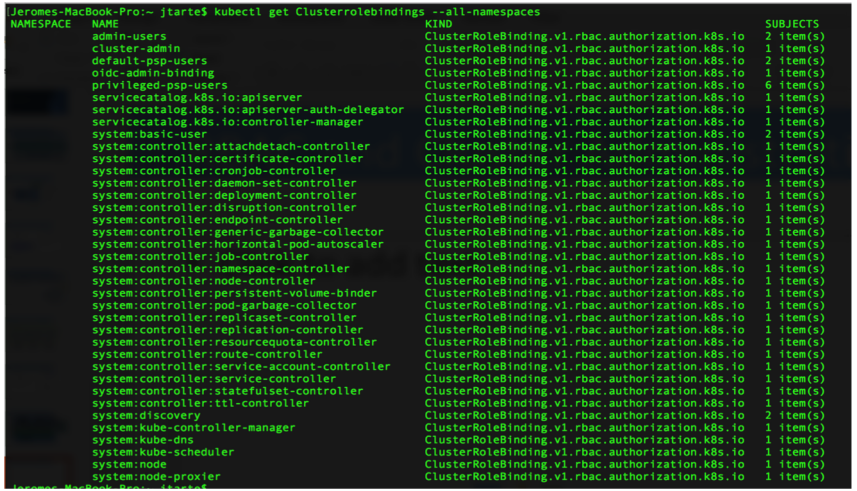
– Clusterrole and Clusterrolebinding are positioned globally

  • Allow the administration of cluster

– Role and Rolebinding are positioned locally

  • Allows the administration of a resource (namespace)

  • Use to set up team in IBM Cloud private



Demonstration