**OPENSHIFT – POC QUAY User and Repository Management**

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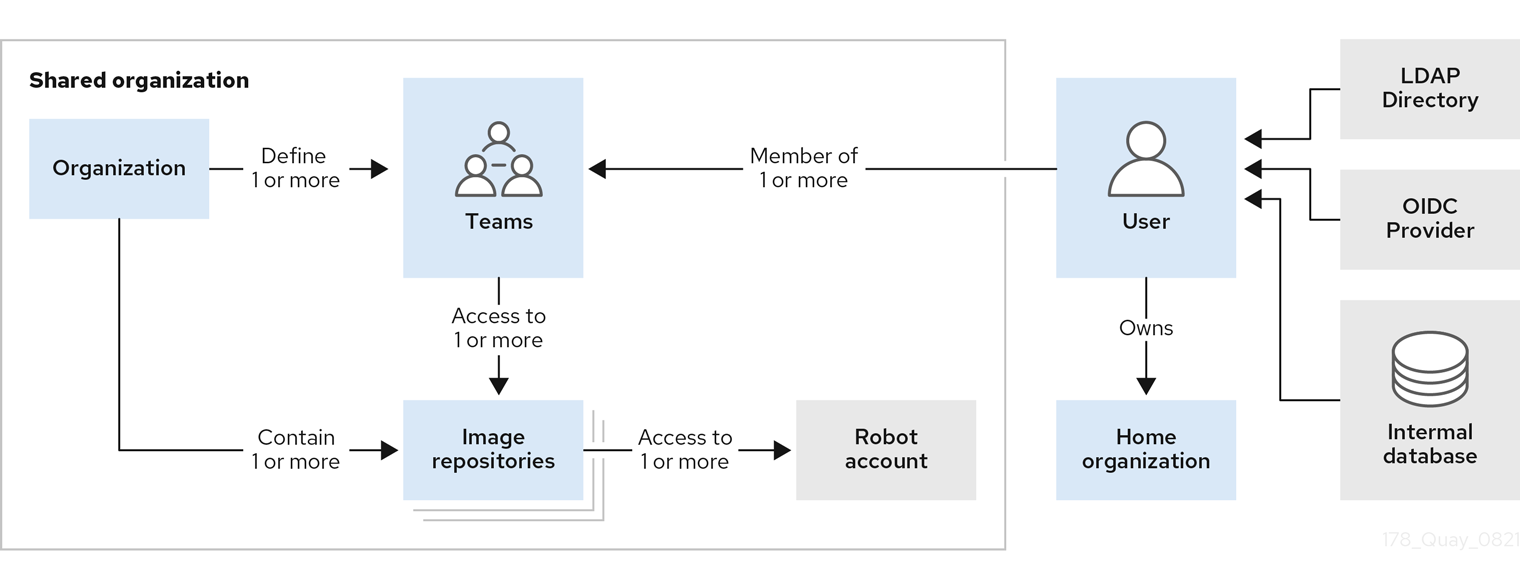
[ANNEX : 8](#_Toc166689312)

**PROPOSTA TEMPLATE QUAY**

Il documento ha lo scopo di illustrare gli step, qui eseguiti in ambiente di Collaudo, sia per quanto riguarda Openshift che per quanto riguarda Quay, necessari alla gestione di utenti e repository privati sul registry Quay.

## 

## **Overview MODELLO**

[](https://access.redhat.com/webassets/avalon/d/Red_Hat_Quay-3.11-Use_Red_Hat_Quay-en-US/images/b52482ede5f5b394740cba6808136d4f/178_Quay_architecture_0821_tenancy_model.png)

* **Organizations** provide a way of sharing repositories under a common namespace that does not belong to a single user. Instead, these repositories belong to several users in a shared setting, such as a company.
* **Teams** provide a way for an Organization to delegate permissions. Permissions can be set at the global level (for example, across all repositories), or on specific repositories. They can also be set for specific sets, or groups, of users.
* **Users** can log in to a registry through the web UI or a by using a client, such as Podman or Docker, using their respective login commands, for example, $ podman login. Each user automatically gets a user namespace, for example, <quay-server.example.com>/<user>/<username>, or quay.io/<username>.
* **Superusers** have enhanced access and privileges through the **Super User Admin Panel** in the user interface. Superuser API calls are also available, which are not visible or accessible to normal users.
* **Robot accounts** provide automated access to repositories for non-human users like pipeline tools. Robot accounts are similar to OpenShift Container Platform **Service Accounts**. Permissions can be granted to a robot account in a repository by adding that account like you would another user or team.

1. **Creare un namespace un cluster Openshift target:**

A computer screen with white text

Description automatically generated

1. **Login a Quay dell’ambiente target con un’utenza amministrativa:**

A computer screen shot of a computer screen

Description automatically generated

1. **Creazione nuova Organization su Quay :**

A screenshot of a computer

Description automatically generated

1. **Sincronizzazione degli utenti (Team Member) da LDAP utilizzando il Group DN appropriato per il progetto:**

A screenshot of a chat

Description automatically generated

1. **Creazione** **Robot Account per attività DevOps :**

**[per i dettagli, vedere capitolo “Overview MODELLO”]**

A screenshot of a computer

Description automatically generated

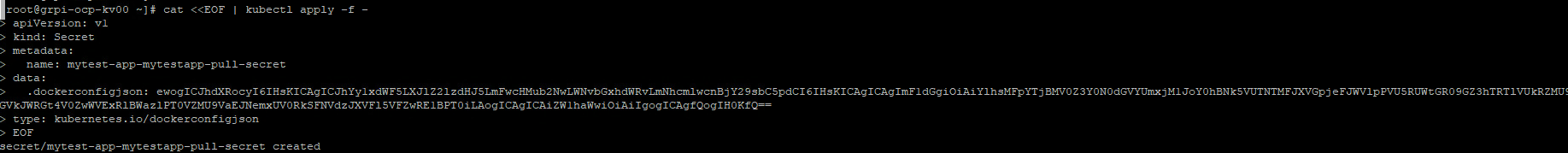
1. **Creazione secret Robot Account e relativo ImagePullSecret da referenziare nei deployment del progetto:**

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated



1. **Login a Quay con utenza amministrativa:**



1. **Test image pull :**

A screenshot of a computer

Description automatically generated

1. **Push Immagine e creazione Repository “on push” :**

A black screen with white text

Description automatically generated

1. **Verifica creazione repository su QUAY con Security Scan “Active” :**

A screenshot of a phone

Description automatically generated

A close-up of a white background

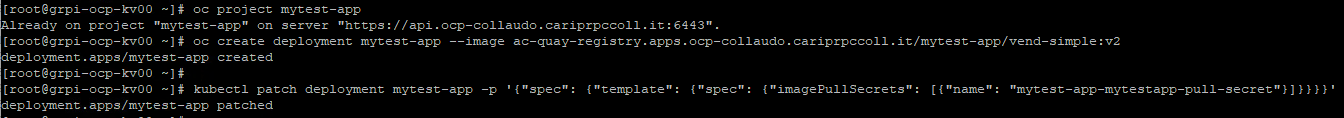
Description automatically generated

1. **Set grant opportune per il Robot Account creato :**

A white background with black text

Description automatically generated

1. **Creazione deployment a partire da un’immagine di Quay interno per simulare un deploy via pipeline :**



1. **Verifica che i pod partano correttamente :**



# **ANNEX :**

\*\*\* Activate Scan \*\*\*



A screen shot of a computer

Description automatically generated

\*\*\* Add insecure registry \*\*\*

oc edit image.config.openshift.io/cluster

Rif : <https://docs.projectquay.io/use_quay.html>

<https://access.redhat.com/documentation/en-us/red_hat_quay/3.11>

<https://access.redhat.com/documentation/en-us/red_hat_quay/3.11/html/use_red_hat_quay/index>