

\$ whoami

>> Evgeny Shmarnev

- Was born In Russia, work in Prague @ SUSE
- Sr. OpenStack Automation Engineer
- Specializing in Linux / OpenStack / Containers and all things quality (yes, I like TDD)!
- Active open-source contributor (Docker, weechat, OpenStack, some python-related projects, etc)
- Docker Prague Meetup co-organizer (since this year)

What is it all about?

What do we have:

- 1) Docker Hub
- 2) Docker Registry:
- Open source
- Stores and distributes Docker images.
- Integrates with the Docker engine (login/pull/push).
- Does not deal with authorization.
- Provides an API to:
 - Modify & check the state of the registry.
 - Allow an external authorization process

Here comes Portus!



Portus

Portus is an open source authorization service and user interface for your on-premise Docker Registry.

- 100 % Free and Open-Source (Apache 2.0 License)
- Portus implements the login procedure from Docker Registry

Highlights

LDAP Integration

- Portus can be configured to use an LDAP server for the authentication
- Portus will just act as a proxy between users and the LDAP server for authentication
- Even if users are authenticated through the LDAP server, Portus needs to store them in its database in order to perform all the interaction with the registry

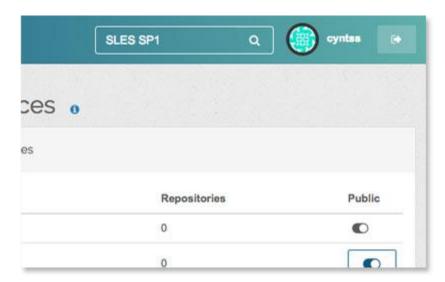
Security



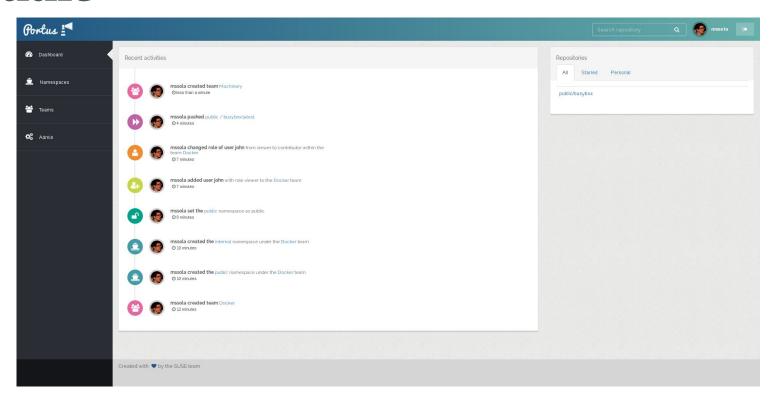
Easily manage users with teams

- Viewers
- Contributors
- Owners

Search



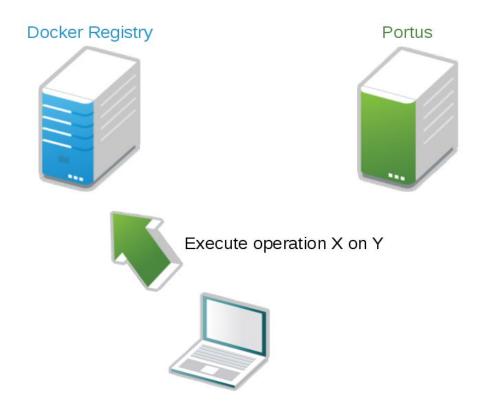
Audit

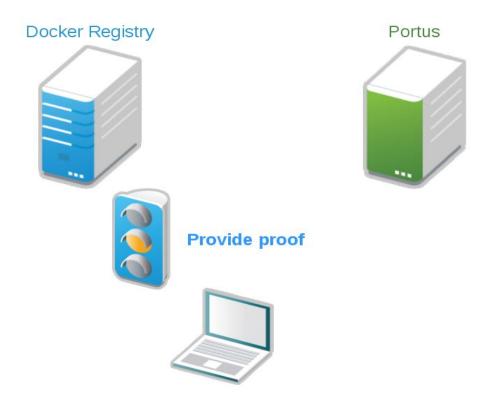


Other features:

- Synchronization with your private registry in order to fetch images and tags are available
- Removing images and tags from registry through Portus
- Star your favorite repositories
- Disable users temporarily, or remove them from the system
- Users that fail at logging in too many times will have their account locked
- Users can recover their password if they forgot it
- Showing users by their preferred "display name" rather by their user names
- ...

How it works?









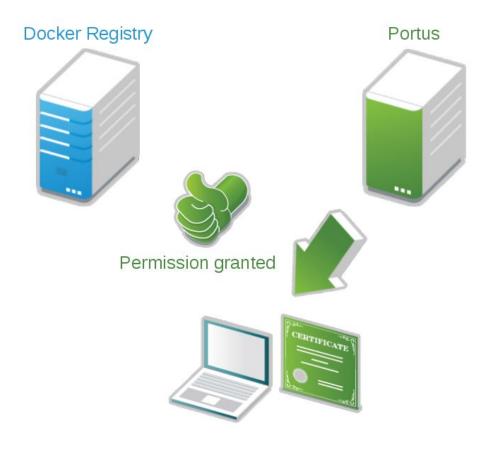
Portus

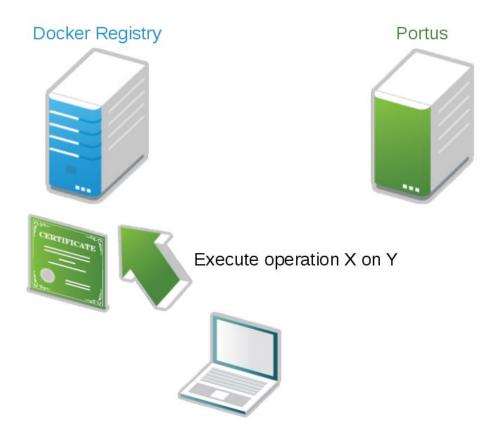


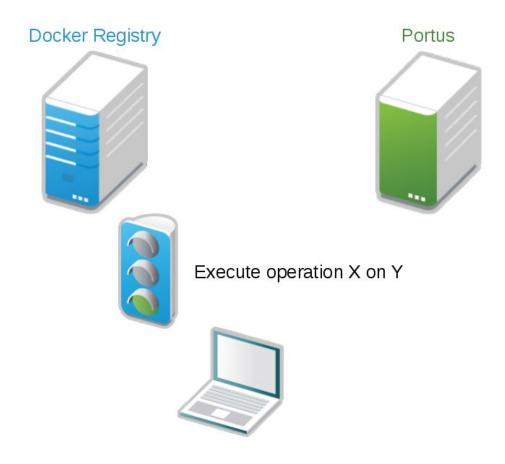
Request permission to do operation X on Y.

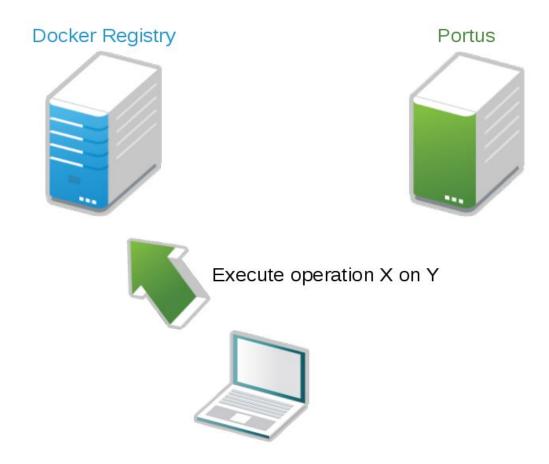












Deploying Portus

- https://software.opensuse.org/package/Portus
- https://hub.docker.com/r/opensuse/portus/
- Other setups (https://github.com/suse/portus/wiki):
 - Using a Vagrant/VM environment.
 - Docker Compose setup.
 - A bare metal environment.

Don't bore us, get to the demo!

You can be a contributor too!

- https://github.com/SUSE/Portus
- https://groups.google.com/forum/#!forum/portus-dev

Contacts:

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