

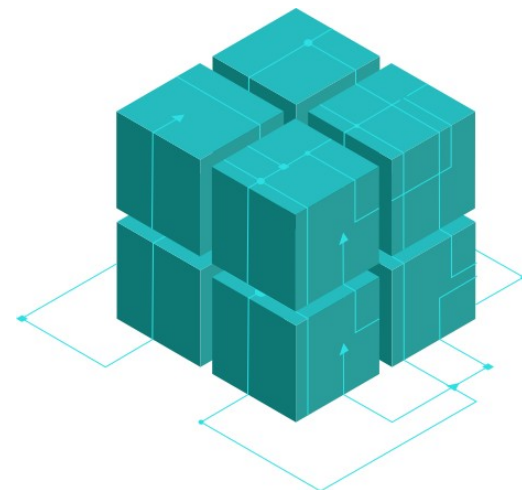


U Y U N I

# Developing against the containerized server

Tips and tricks to ease dev's life

Cédric Bosdonnat  
Uyuni hacker  
cbosdonnat@suse.com



# Sumaform



- **server\_containerized** module
- `container_repository = "registry.opensuse.org/.../containers/uyuni"`  
No **/server** at the end
- `runtime = "k3s"`
- Leap Micro support is fragile!
- Some server variables not implemented yet

# Day to day operation

- **mgradm start|stop|restart|status**
- Inside the container
  - **mgrctl term**
  - **mgrctl exec -- tail -f /var/log/rhn/rhn\_web\_ui.log**
  - **mgrctl cp server:/var/log/rhn/rhn\_web\_ui.log .**

# Remote connection

- Install **mgrctl** on your dev machine
- Podman
  - **podman system connection add --identity ~/.ssh/id\_rsa \**  
**dev ssh://root@dev-srv.mgr.lab**
  - **CONTAINER\_CONNECTION=dev mgrctl exec -ti sh**
- Kubernetes
  - Setup the context in config
    - k3s kubeconfig is in **/etc/rancher/k3s/k3s.yaml**
  - **kubectl config use-context uyuni-dev**

# ant targets

- Require remote connection
- **CONTAINER\_CONNECTION=dev ant -f manager-build.xml \**  
**refresh-branding-jar deploy-restart-container**
- **deploy-container**
- **deploy-static-resources-container**
- **deploy-salt-files-container**
- **restart-tomcat-container, restart-taskomatic-**  
**container**

# Java debugging

- No change
- Ports:
  - 8001: taskomatic
  - 8002: search server
  - 8003: tomcat

# Persistence

- Reset to image at restart
- Persisted volumes list:  
<https://github.com/uyuni-project/uyuni-tools/blob/main/shared/utils/volumes.go#L9>
- Update problem:
  - Files from the image hidden by volume
  - Stop using **%post** scripts
- **uyuni-update-config**
  - Refresh non-persisted files

# Branch server-image


- **osc bco systemsmanagement:Uyuni:Master/server-image**
- **export TEST=--test**  
**export OSCAPI=https://api.opensuse.org**  
**export OBS\_PROJ=home:YOU:branches:systemsmanagement:Uyuni:Master**  
**build-package-for-obs server-image && push-package-for-obs**




# Test suite changes

- Changes not persisted: won't succeed after restart
- **node.run()** vs **node.run\_local()**
  - **run\_local()**: execute on the host
  - **run()**:
    - If mgrctl installed: commands auto-wrapped in **mgrctl exec**
    - Else like **run\_local()**



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