gitlab.local.dev

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Description: Install, configure and maintain the gitlab.local.dev infrastructure with mise tasks

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▸ 6. GitLab - Configurations

Prepare GitLab password

- **Show the initial `root` password, from the GitLab server machine :**

```
gitlab.local.dev server:password
```

Task sources: `server:password`

```
#!/usr/bin/env bash

# Mise
#MISE description="Show the GitLab initial 'root' password (valid 24 hours after installation)"

# Configurations
set -e -o pipefail

# Action
docker exec gitlab cat /etc/gitlab/initial_root_password
```

- **Initial GitLab access :**
- **Open :** `https://DOMAIN_GITLAB:PORT_GITLAB`
- **Username :** `root`
- **Password :** Paste the initial password seen above

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Prepare GitLab settings

Admin Area / Settings / General

- **Visibility and access controls :**
- **Restricted visibility levels :**
  - **Internal :** Enable
  - **Public :** Enable
  - **Action :** Save changes
- **Import and export settings :**
- **Repository by URL :** Enable
- **GitLab export :** Enable
- **Action :** Save changes
- **Sign-up restrictions :**
- **Sign-up enabled :** Disable
- **Require admin approval for new sign-ups :** Enable
- **Email confirmation settings :** Off
- **Action :** Save changes
- **Sign-in restrictions :**
- **Admin Mode / Enable Admin Mode :** Enable
- **Action :** Save changes

Admin Area / Overview / Users

- **New user :**
- **Name :** `GitLab CI`
- **Username :** `gitlab-ci`
- **Email :** `CONTACT_EMAIL@DOMAIN`
- **Access level :** Regular
- **Avatar :** `GITLAB_AVATAR.png`
- **Action :** Create user
- **Groups :** Add 'gitlab-ci' as 'Reporter' to all projects using GitLab CI/CD or GitLab Container Registry

Admin Area / Settings / CI/CD

- **Admin Area / Overview / Users / gitlab-ci / Impersonation Tokens :**
- **Action :** Add new token
  - **Token name :** `runner-HOSTNAME-registry`
  - **Expiration date :** `...-12-31` (current year's last day or less)
  - **Select scopes :** read_registry
  - **Action :** Create impersonation token
  - **Action :** Copy impersonation token
- **Generate the Docker authentication configuration from the Runner machine (impersonation token as password) :**

```
gitlab.local.dev configurations:docker-auth
```

Task sources: `configurations:docker-auth`

```
#!/usr/bin/env bash

# Mise
#MISE description="Generate the 'DOCKER_AUTH_CONFIG' CI/CD variable value for the 'gitlab-ci' user"
#MISE arg "[user]" default="gitlab-ci" help="GitLab user owning the 'read_registry' impersonation token"

# Configurations
set -e -o pipefail

# Sources
# shellcheck source=lib/common.sh
source "${MISE_PROJECT_ROOT:?}/lib/common.sh"

# Prepare settings
settings_require
temporary=$(mktemp -d)
trap 'rm -rf "${temporary:?}"' EXIT

# Generate credentials (impersonation token as password)
step "Login to ${DOMAIN_REGISTRY:?}:${PORT_REGISTRY:?}"
docker --config "${temporary}" login -u "${usage_user:-gitlab-ci}" "${DOMAIN_REGISTRY:?}:${PORT_REGISTRY:?}"

# Show configuration
step "'DOCKER_AUTH_CONFIG' value"
cat "${temporary}/config.json"
echo ''
```

- **Admin Area / Settings / CI/CD / Variables :**
- **Action :** Add variable
  - **Type :** Variable (default)
  - **Protect variable :** Disable
  - **Mask variable :** Disable

- **Expand variable reference :** Disable
- **Description :** Empty
- **Key :** `DOCKER_AUTH_CONFIG`
- **Value :** Paste previously generated Docker authentication configuration, similar to:

```
{
        "auths": {
                "DOMAIN_REGISTRY:PORT_REGISTRY": {
                        "auth": "REGISTRY_AUTH"
                }
        }
}
```

- **Action :** Add variable

- **Admin Area / Settings / CI/CD / Continuous Integration and Deployment :**
- **Maximum artifacts size (MB) :** `5000`
- **Default artifacts expiration :** `60 minutes`
- **Action :** Save changes
- **Admin Area / Settings / CI/CD / Container Registry :**
- **Enable cleanup policies for projects created earlier than GitLab 12.7 :** Enable
- **Action :** Save changes

Admin Area / Settings / Metrics and profiling

- **Metrics - Prometheus :**
- **Enable GitLab Prometheus metrics endpoint :** Disable
- **Action :** Save changes
- **Usage statistics :**
- **Enable version check :** Disable
- **Enable Service Ping :** Disable
- **Action :** Save changes

Admin Area / Settings / Preferences

- **Pages :**
- **Maximum size of pages (MiB) :** `500`
- **Action :** Save changes
- **Localization :**
- **Default first day of the week :** Monday

- **Action :** Save changes

Account / Edit profile

- **Upload new avatar :**
- **Sources path :** `GITLAB_AVATAR.png`
- **Action :** Fully unzoom, Set new profile picture
- **Action :** Update profile settings

Admin Area / Overview / Users (repeat)

- **New user :**
- **Name :** `Firstname LASTNAME`
- **Username :** `flastname`
- **Email :** `USER_EMAIL@DOMAIN`
- **Access level :** Regular or Administrator
- **Avatar :** Optional
- **Action :** Create user
- **Edit :**
- **Password :** `A1z2e3r4t5y6`
- **Password confirmation :** `A1z2e3r4t5y6`
- **Action :** Save changes

Account / Sign out

Authentication (repeat)

- **Username :** `flastname`
- **Password :** `A1z2e3r4t5y6`
- **Set up new password :**
- **Current password :** `A1z2e3r4t5y6`
- **New password :** `NEW_PASSWORD`
- **Password confirmation :** `NEW_PASSWORD`
- **Action :** Set new password
- **Information :** Password successfully changed

Welcome to GitLab

- **Create a group :** `...`
- **Create a project :** `...`

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