

Container Repository Management

Adfinis**sy**Group

Be smart. Think open source.

Container Repository

Best practices for Docker image repositories

Docker Tags

Different usage patterns for different use-cases!

Shared images

e.g. database containers, base images

- Use [SemVer](#) if possible
- Reuse tags when compatibility is ensured
- v1, v1.7, v1.7.13
- Perform versioning on CI/CD level

Application images

Images specific to a single application

- Use hash of git commit
- `git rev-parse --verify HEAD`
- Use additional SemVer tags
- Use the image digest
- `docker image@sha256:0123abcd`
- `docker images --digests`

Docker Registry

Law of the land

- No manual push to the registry!
- Image uploads only via CI/CD pipeline
- Images are tagged in the CI/CD pipeline

Docker registry cleanup

Out with the old, in with the new!

- Delete old images from the registry
- Docker Registry HTTP API V2
- Digest required for `DELETE` request
- Custom API for registry solution
- [Nexus](#)
- [Harbor](#)
- [JFrog Artifactory](#)

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www.adfinis-sygroup.ch

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[GitHub](#)

info@adfinis-sygroup.ch

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