Eiffel Eco-system Deployed in the Cloud

Ideas on providing an Eiffel deployment in a public cloud

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What is Nordix?

- Nordix is an open-source foundation for collaboration in the Nordic region

- Nordix Community enables organizations to contribute to various open-source technologies as well as provides infrastructure to the projects

www.nordix.org

Why use Nordix?

- Nordix is an open-source community and runs its own infrastructure, providing all the necessary services

- Access to the infrastructure and to the resources are granted to contributors

- Contributors are also permitted and encouraged to take part in operations of the services community uses

- Any tool & technology that is desired by the community can be provided, granted that people requesting them are willing to take part in operations of the tools & technologies they request

Nordix Community Services

Service	Tool	Link
SCM/Code Review	Gerrit	gerrit.nordix.org
Automation/CI	Jenkins	jenkins.nordix.org
Artifact Repository	Artifactory	artifactory.nordix.org
Container Image Registry	Harbor	registry.nordix.org
Public Cloud	OpenStack	N/A

Only the services that are relevant to Eiffel Community are listed on this slide.
Full list of developer services Nordix provides can be seen here.

Phases to Establish CI/CD for Eiffel Community on Nordix

- Phase 0: Get to know Nordix
  - Deploy some Eiffel projects on Nordix infrastructure
- Phase 1: Set up the basics
  - Connect Eiffel Community repo GitHub Actions to Nordix Jenkins builds
- Phase 2: Build Rollout
  - Store Eiffel project images and other built artifacts on Nordix registries
- Phase 3: Bring up full-blown CI/CD
  - Deploy Eiffel "domain" on Nordix with continuous deployments from Eiffel Community projects
- Phase 4: Eiffel for Eiffel
  - Use Eiffel to build, test and deliver Eiffel components

Demo?

- What is Easy2Use?
- Access to Nordix
- Deployment
- Validation

Continued collaboration

https://hackmd.io/X3Nrxe4MRdSJI_lsTkSwiQ?view