Tackling Challenges in Integrating Multi-community CI/CD Pipelines

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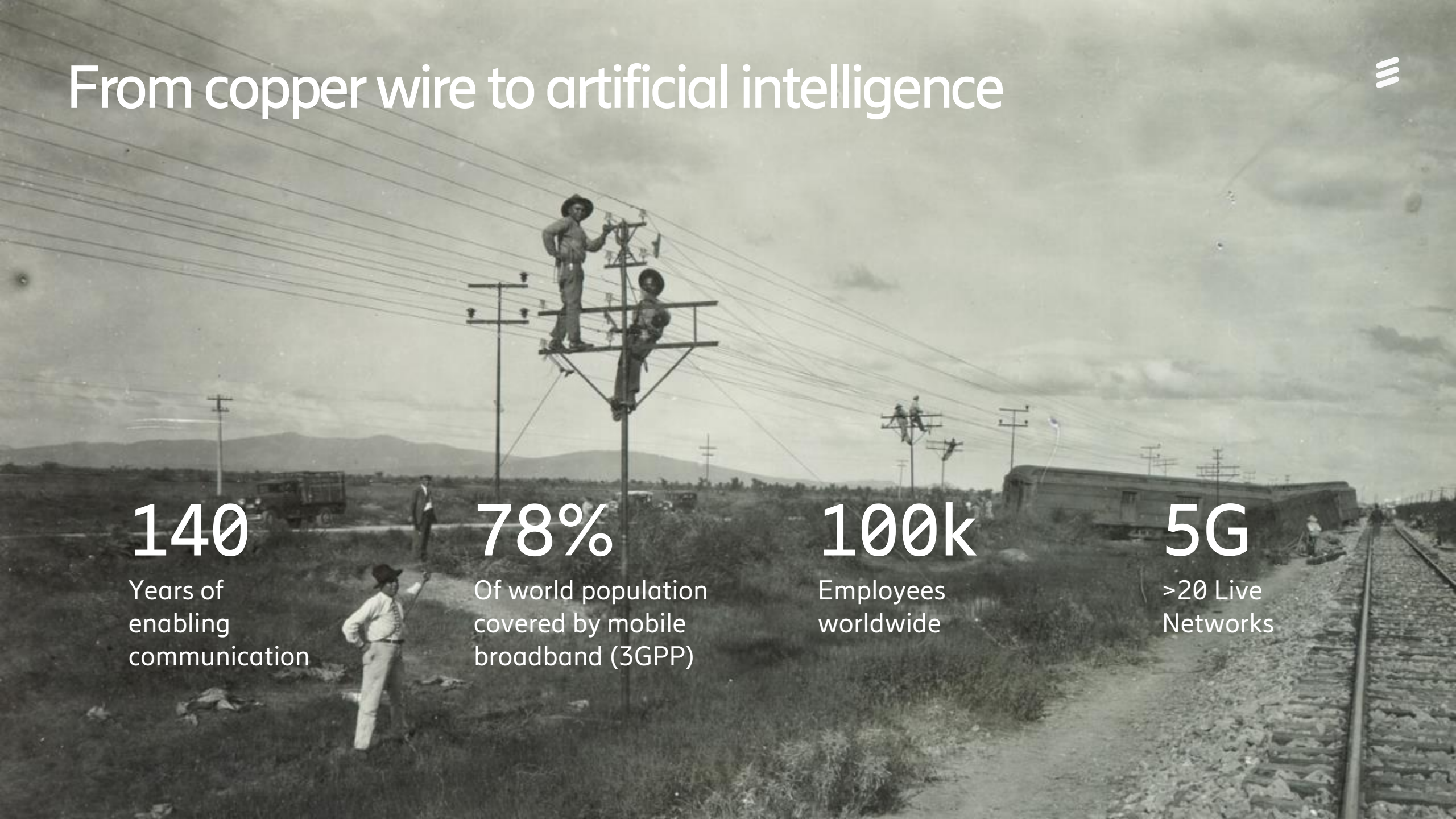
Continuous Delivery Summit, San Diego

Agenda

- Our challenges
- Multi-Community challenges
- Our way to tackle those challenges
- Tackling multi-community integration challenges

From copper wire to artificial intelligence



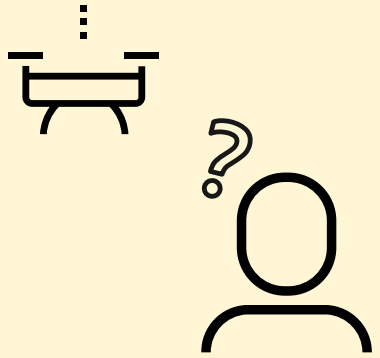
140
Years of enabling communication

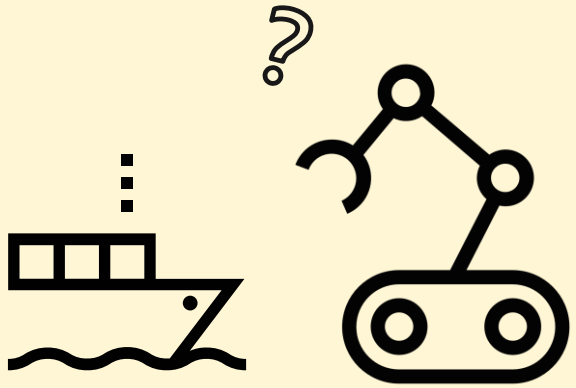
78%
Of world population covered by mobile broadband (3GPP)

100k
Employees worldwide

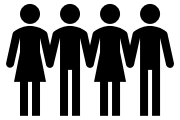
5G
>20 Live Networks

Is there a new release?





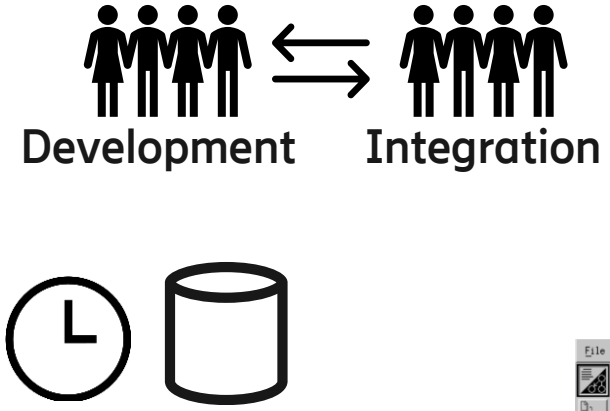
Our challenges

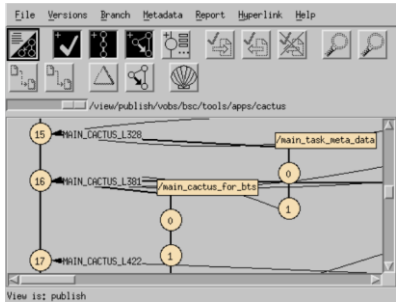


Integration

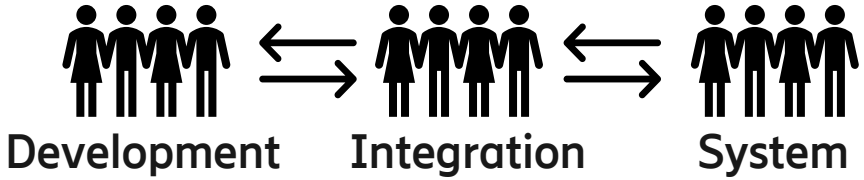
```
#### CRON ###
# Nightly test
0 5 * * * /proj/xyz/run_tests.sh

# Test monitor
*/10 * * * * /usr/bin/monitor.sh
```

Our challenges





Our challenges



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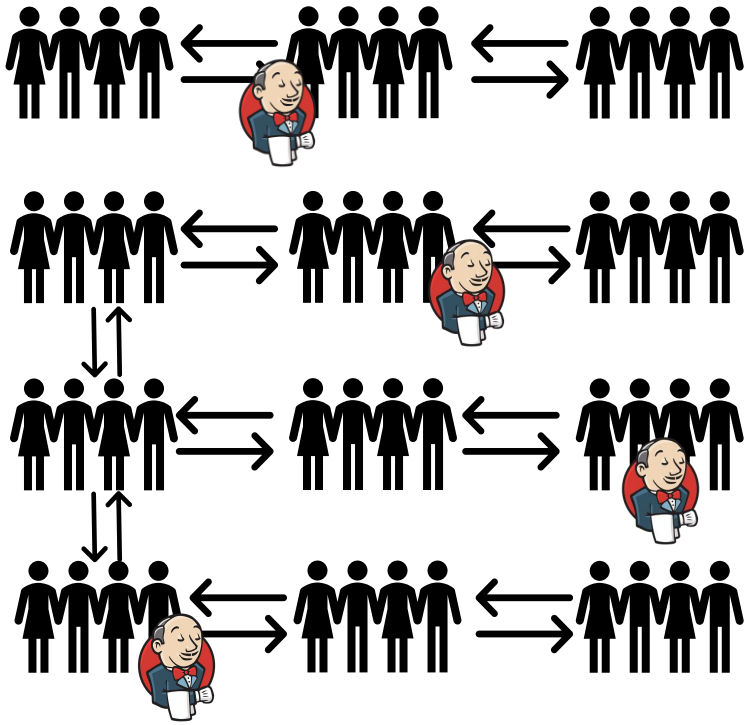

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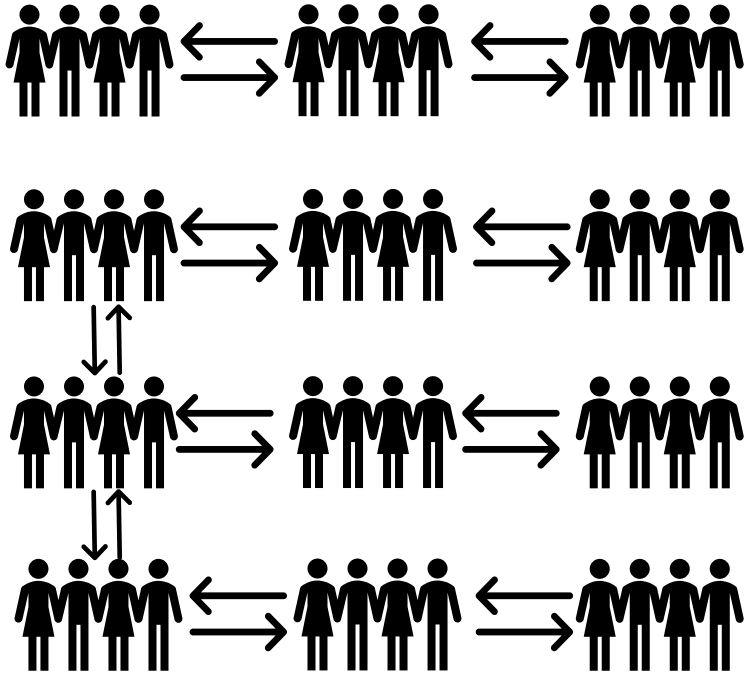

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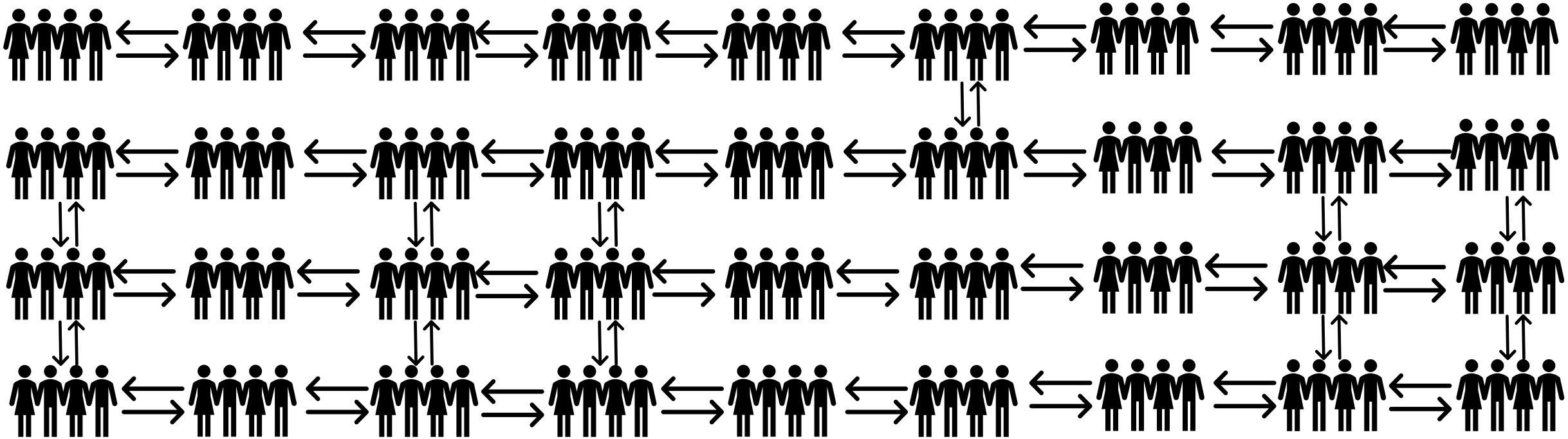


Our challenges

teams/products growing

Visibility

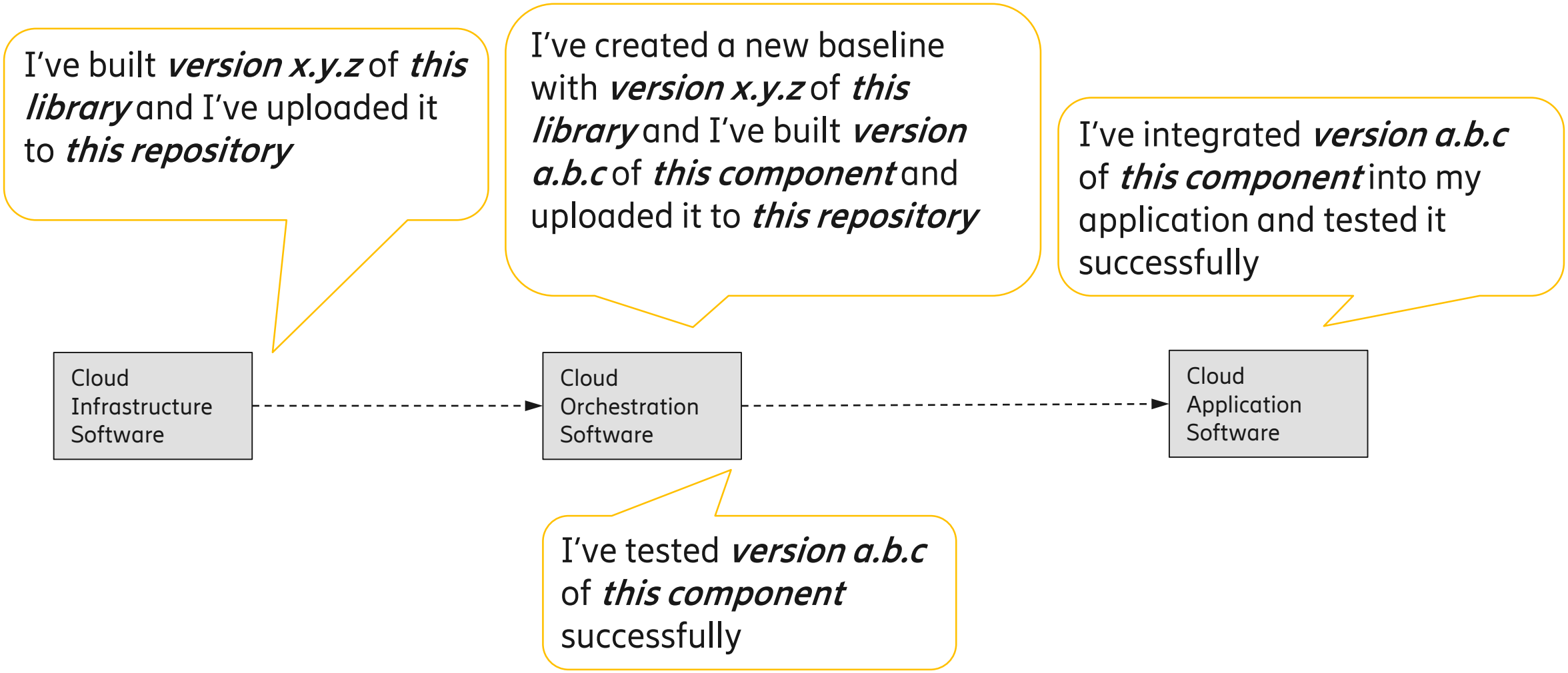
Traceability

KPIs

Including Open-source

What about you?

Multi-community pipeline integration challenges

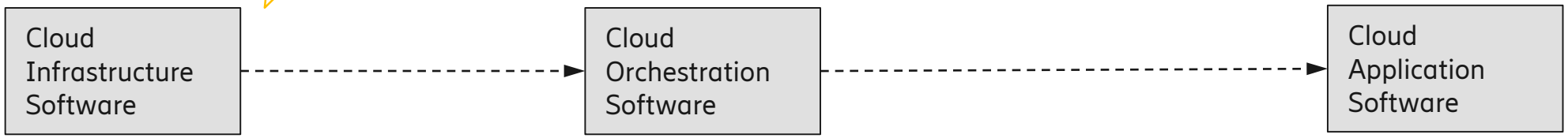


Multi-community pipeline integration challenges

Jag har byggt ***version x.y.z*** av ***det här biblioteket*** och jag har laddat upp det till ***detta arkiv***

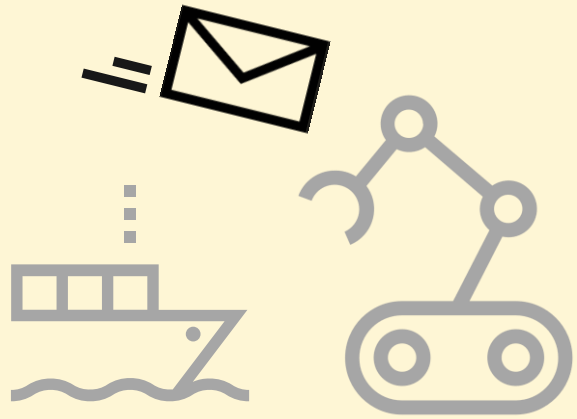
Ég hef búið til nýja grunnlínu með ***útgáfu x.y.z*** af ***þessu bókasafni*** og ég hef smíðað ***útgáfu a.b.c*** af ***þessum þætti*** og hlaðið því inn á ***þetta geymslac***

Έχω ενσωματώσει την ***έκδοση a.b.c*** αυτού ***του στοιχείου*** στην αίτησή μου και το έχω δοκιμάσει με επιτυχία

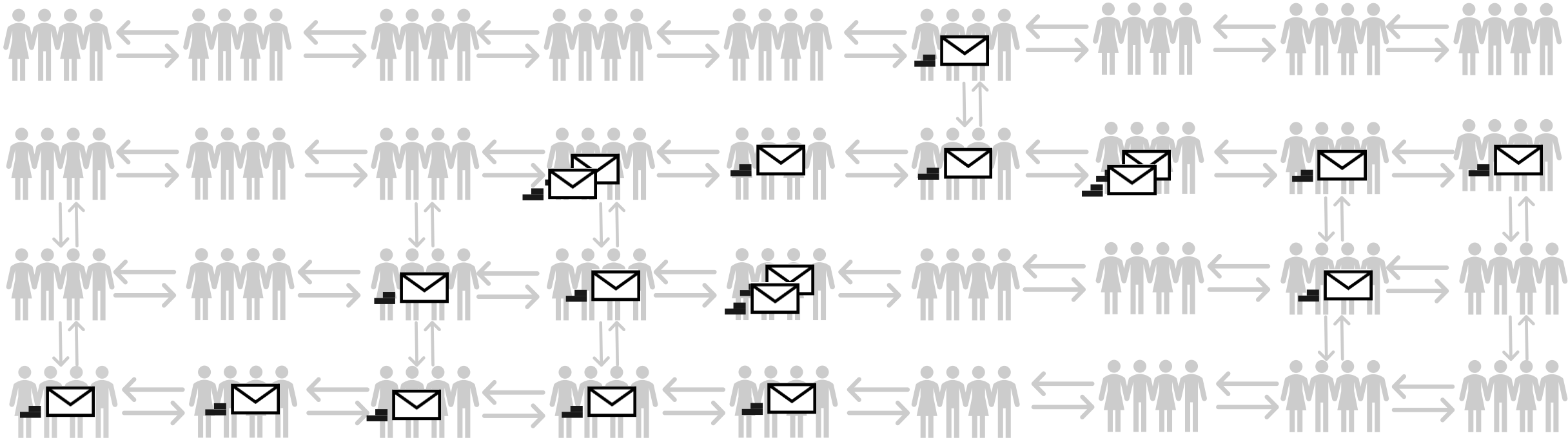


He probado con éxito la ***versión a.b.c*** de ***este componente***

Is there a new release?

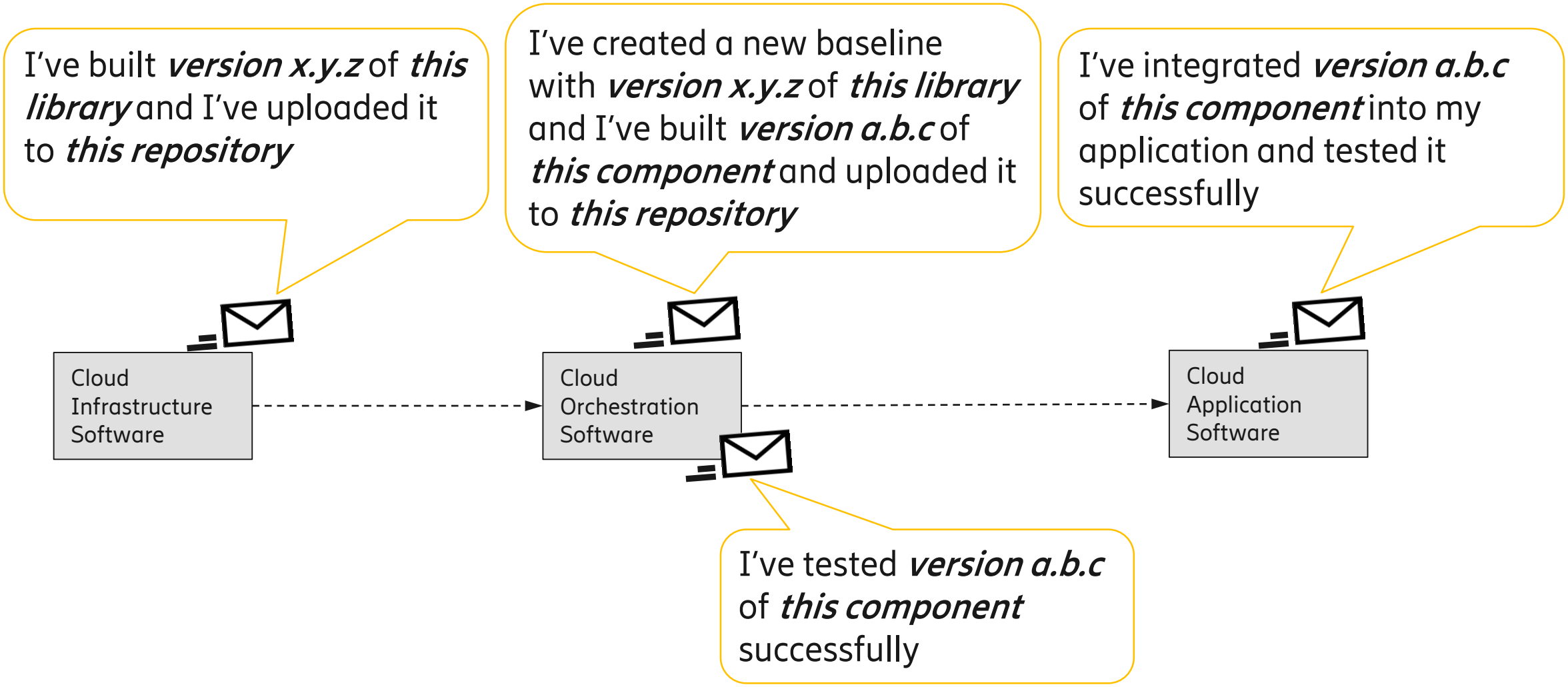


Events in Ericsson CI/CD pipelines

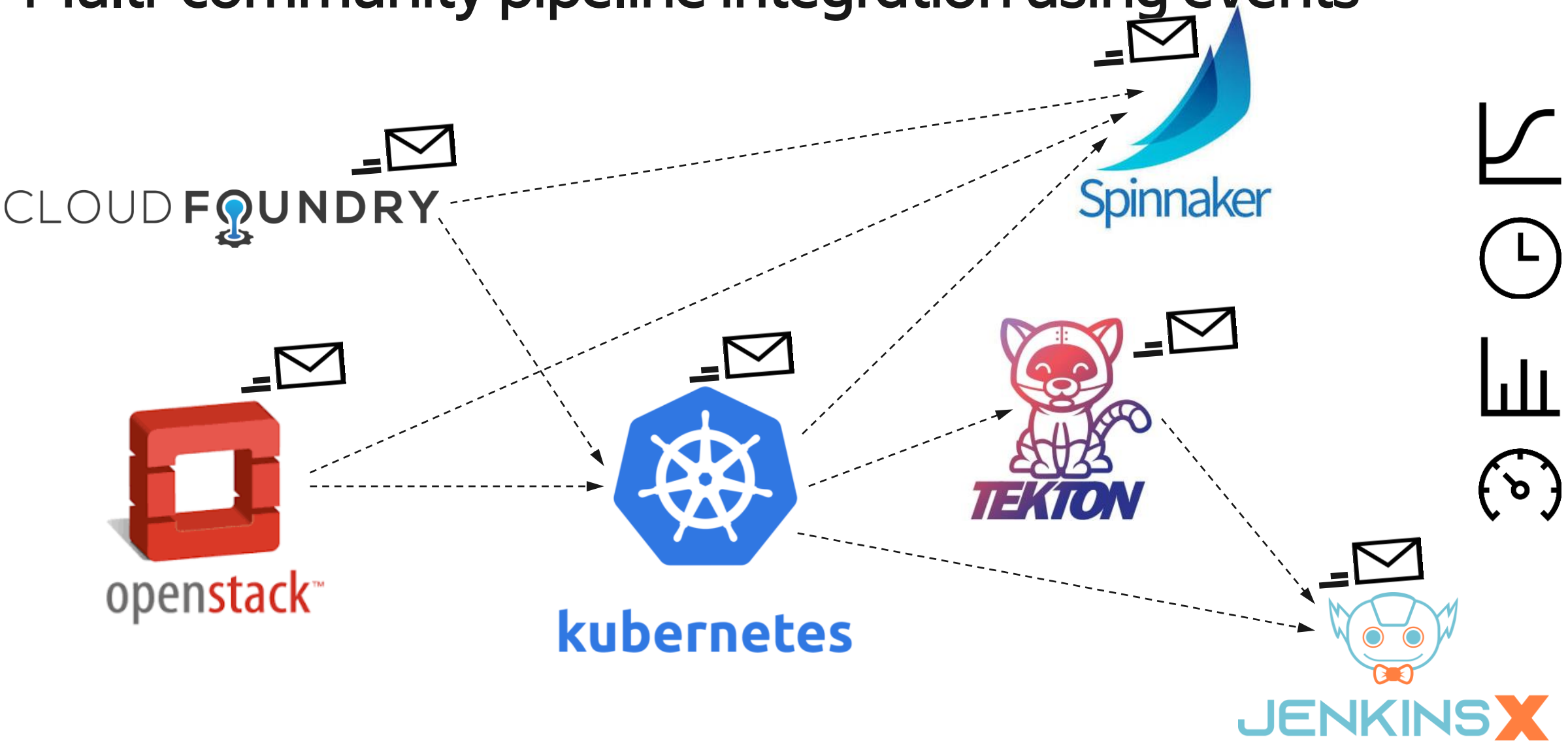


Events in Ericsson CI/CD pipelines

Multi-community pipeline integration using events



Multi-community pipeline integration using events

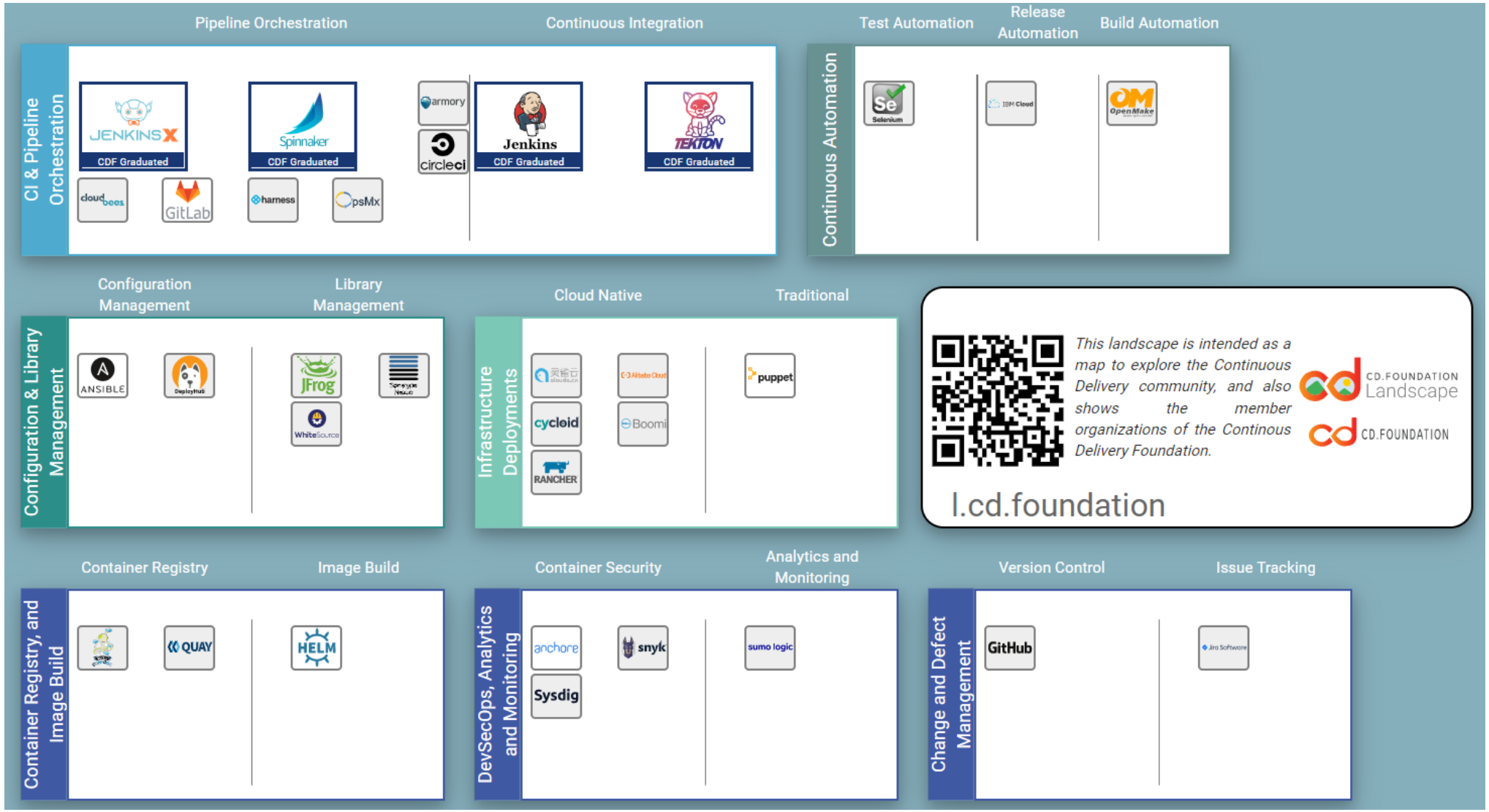


Intra-community CI/CD tracing

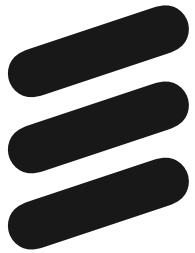
Does anything like this exist?

eiffel-community.github.io

CD Foundation Landscape



Is there a new release?

Should we collaborate on a tools agnostic event protocol?

Q&A