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7903 update

AWI Department update meeting 2023.12.11 / PSI

ReMade@ARI

Ali joined us in November!

He is the Data Steward for the EU ReMade@ARI project

Next steps: work out D1.6 - SWOT Analysis on Open Research within the project partners

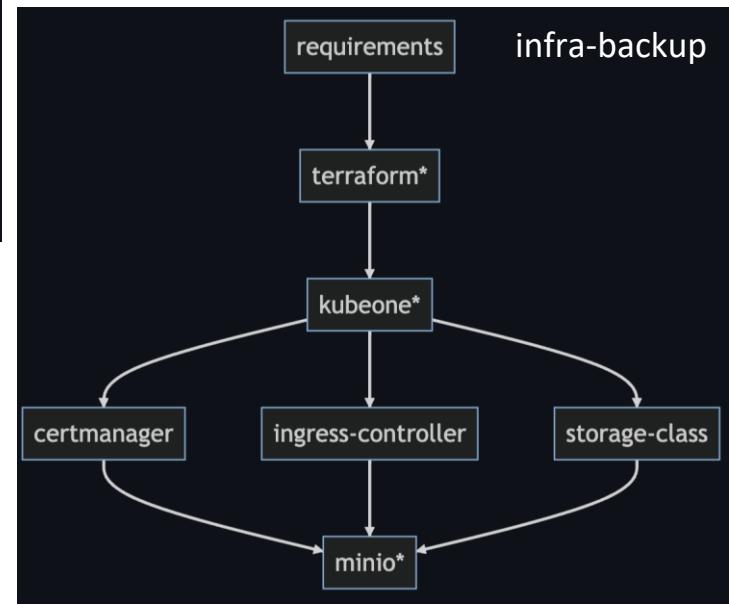
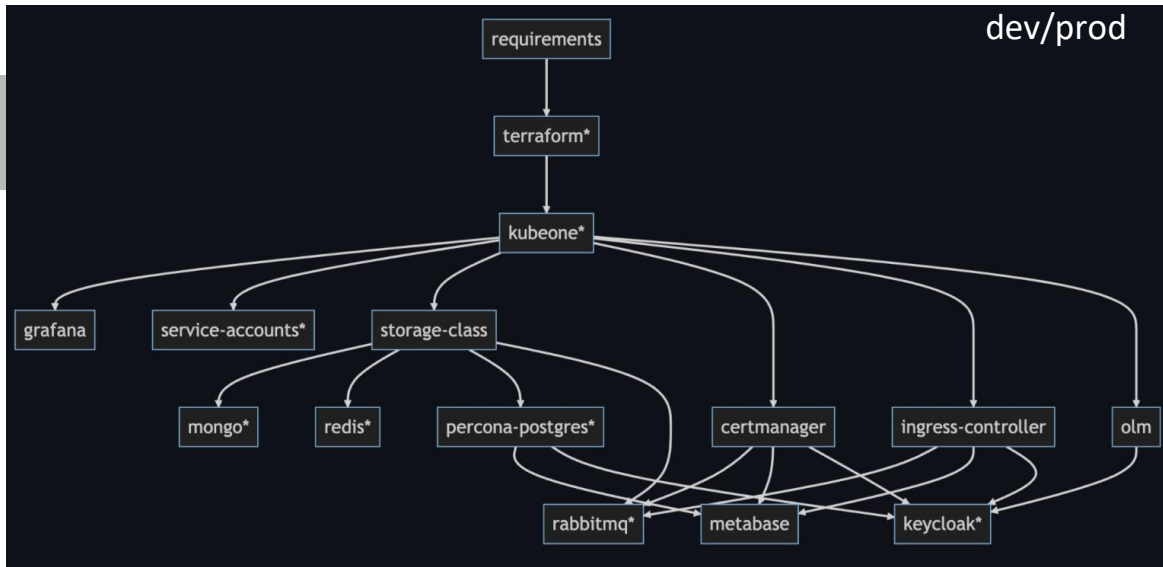


Scicat

A lot of efforts on:

- upgrade all the components (k8s, minio, keycloak, rabbitmq, ...)
- review the deployment system
- improve security of the architecture

Cluster management



Cluster management

All components are installed following their suggested utility tool, notably:

- CRDs
- Helm charts
- K8S manifests
- Krew plugin manager
- OLM

Upgrade and install procedure, along with their version.

The underlying utility tools ensure reproducibility, atomicity and idempotency.

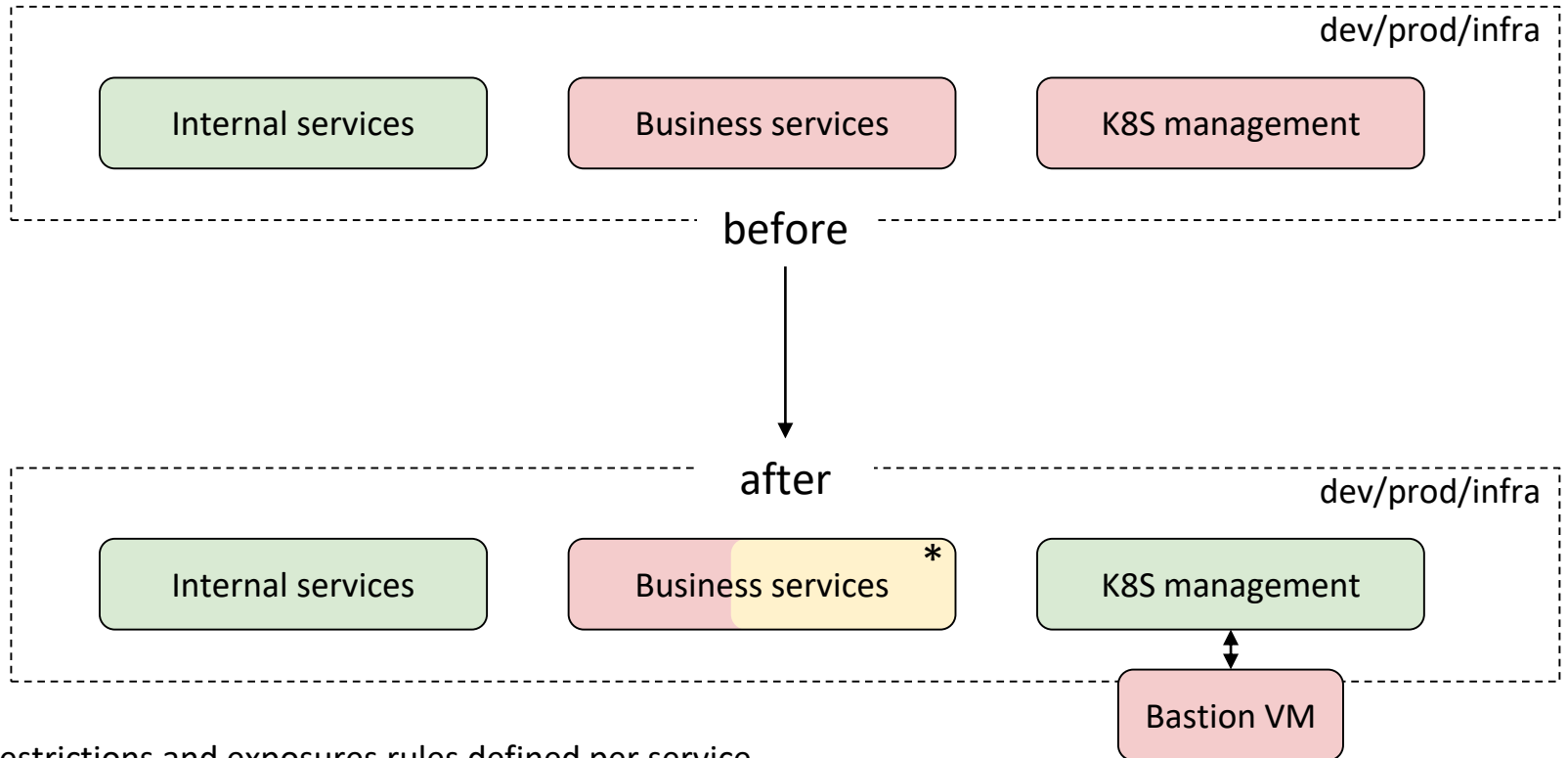
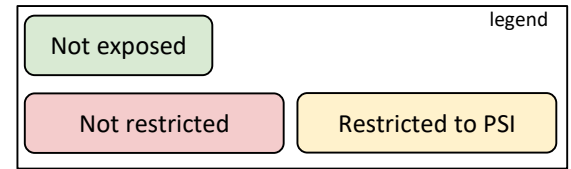
All business and configuration data is backed-up and restorable with restore procedures.

All components, along with the underlying infrastructure, have been upgraded to their latest stable, supported version (e.g. K8S 1.27.6).

Improvements

- Reproducibility of the whole workflow, investigate Ansible or similar
- Better password management, Vault as a possible candidate
- Critical infrastructure upgrade, namely controller nodes Centos7
→ ...
- *.tfstate storage and recreation with *terraform import*.
- Include 1-click data restore procedure

Security review



* restrictions and exposures rules defined per service

OpenEM / ORD

ORD

- submitted projects for Measure 2 (infrastructure)
 - Improving the interoperability of ELN and data repositories by enhancing APIs
 - Towards a common storage access API
 - Interoperability between the ETH Domain Repositories (IntER)
 - Reproducibility and Interoperability in Active Data Publication (RI-ADP)
- preparing additional proposal for IAM guidelines

OpenEM:

- Initial development for OpenEM features in Scicat
- Coordination meetings with related initiatives (INSTRUCT-Eric, Scipion, EMDB)
- Onboarding some project members & contributors, with more starting in January

Questions?

