Project Curator

High level overview

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Personas

Cloud Admin

I want to…

- know the entire cluster utilization
- know the utilization grouped by projects
- know the utilization trend over time

End User

I want to…

- know the usage for my projects
- get weekly, daily and monthly reports
- get alerts for usage limits

Analyst

I want to…

- pass the usage to internal billing system
- feed the usage data to BI systems
- export the usage data to my own tools

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Infrastructure Usage System

for Red Hat OpenShift Container Platform

Access to Infra. Usage

Read the infrastructure utilization of your OpenShift Container Platform without a third-party tool

Generate Infra. Reports

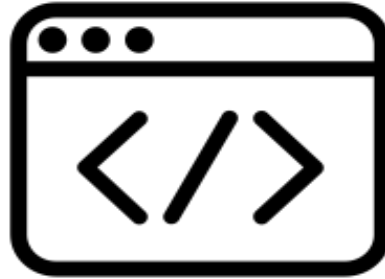Push daily, weekly and, monthly reports of the resource consumptions to the end users

Data Driven Decisions

Feed the usage data to internal billing or BI systems to make utilization based decisions
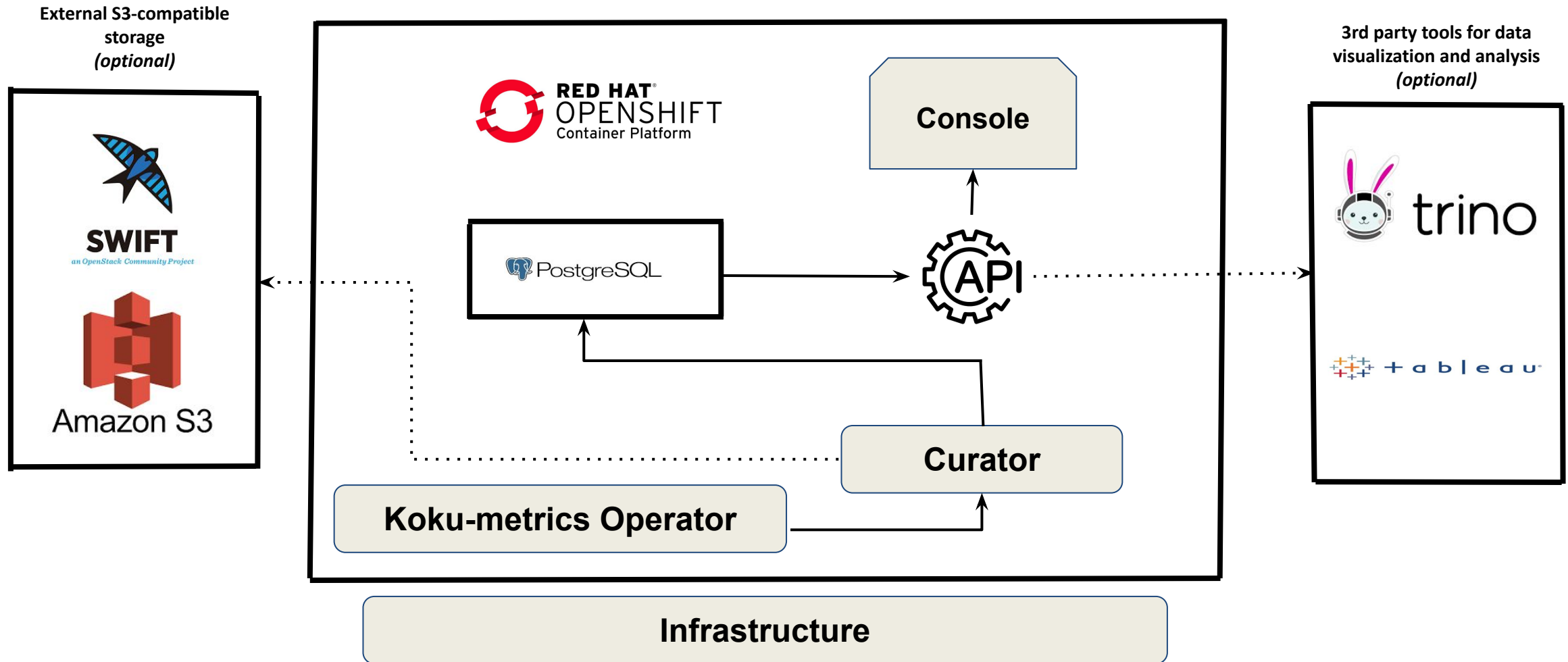
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Features

Secure Usage Access

API Access

Automated Reports

In-cluster Data

S3 Backup option

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Technical Stack

Daily report sample

frequency	interval_start	namespace	pod_usage_cpu_core_seconds	pod_request_cpu_core_seconds	pod_limit_cpu_core_seconds
day	2021-06-16 00:00:00	acme-operator	21.918911	1080	1800
day	2021-06-16 00:00:00	apicurio-apicurio-registry	301.78423899999996	4860	7200
day	2021-06-16 00:00:00	as-pushgateway	2.196579		
...	...	...	...	...	...
day	2021-06-16 00:00:00	TOTAL	126032.46581700003	1058957.4000000001	2050744.2

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Project Status

Done

- Daily, weekly and monthly reports

- Custom reports

- PostgreSQL creation

- Automated installation

- Deployment in production cloud
  - Operate First
  - Mass Open Cloud

- API development

Planned

- OpenShift Console development

- 3rd party tool integration

- Replace chargeback (Metering Operator)

- Push the changes to upstream and OpenShift package

- UI Customization of reports

Connect with us!

Slack
- Organization: Operate First
  - https://operatefirst.slack.com/

- Channel: #curator

GitHub
- https://github.com/operate-first/curator

E-Mail
- curator@redhat.com

Thank you

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