

This is the Mockup our Apache Pulsar UI

Currently this mockup only contains the reading part of our requirements (since this was the first task of our industry partner)

This mockup is not intended to show how exactly the site has to look like (especially the visuals) but rather demonstrates how the navigation and broader structure of the site could look like

When connected to an Apache Pulsar Endpoint, the top of the site shows the URL + Disconnect Button, on the top right there is an Information Button which is supposed to open a tooltip which explains the usage of the site. In the middle there is a view selection. The site has 5 different views that correspond to the Apache Pulsar Topology (Cluster, Tenant, Namespace, Topic, Message).

Each View has its visualization according to the information that is available for this topology level. Furthermore, there is a Filter section on the right, that allows view specific filtering.

Apache Pulsar UI - Dashboard

Apache Pulsar Endpoint

Connect

Informational Text about Apache Pulsar and our UI/Project

Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

Cluster View

Cluster_EMEA

Nr. of Brokers:

Nr. of Bookies:

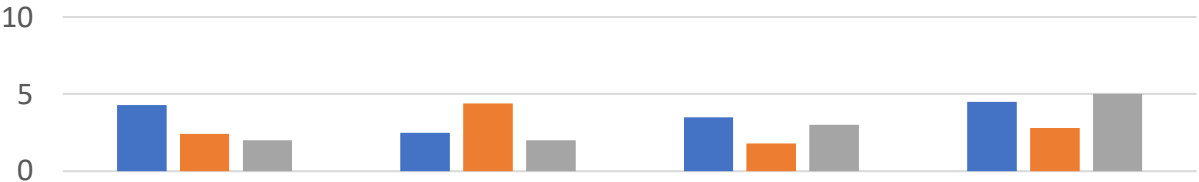
Nr. of Namespaces:

Nr. of Topics:

Nr. of Messages:

Service URL:

Broker Service URL:



Cluster_US

Nr. of Brokers:

Nr. of Bookies:

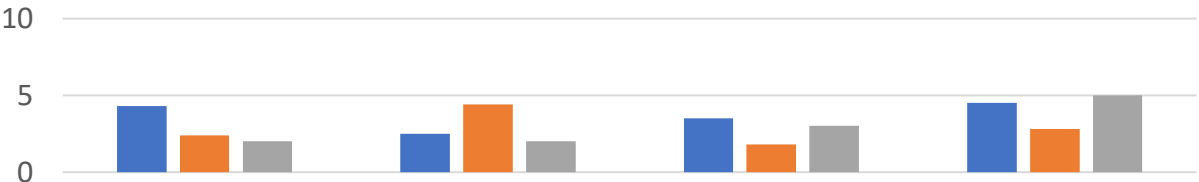
Nr. of Namespaces:

Nr. of Topics:

Nr. of Messages:

Service URL:

Broker Service URL:



Cluster



Search

☒ Cluster_EMEA

☒ Cluster_US

☐ Cluster_ASIA

☐ Cluster_Other

Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

Tenant View

Cluster_EMEA



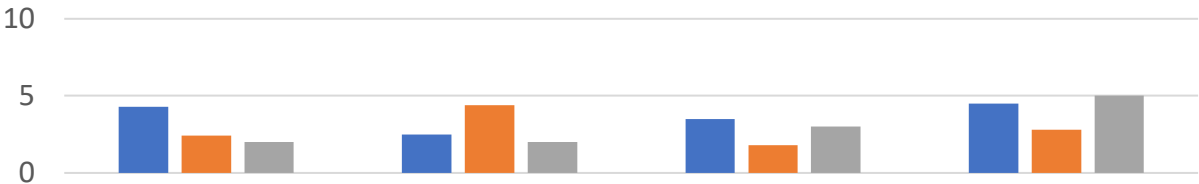
All Tenants



Tenant_1

Allowed Clusters: [Cluster EMEA](#)

Admin Roles



Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

Namespace View

Cluster_EMEA



All Tenants



Multi Namesp.



Namespace_1

Cluster: [Cluster_EMEA](#)

Tenant: [Tenant_1](#)

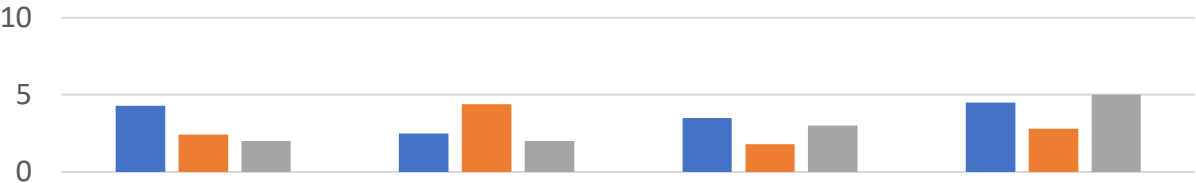
Bundles: []

Message TTL (seconds):

Retention Policies:

Nr. of Topics:

Nr. of Messages:



Namespace_2

Cluster: [Cluster_US](#)

Tenant: [Tenant_1](#)

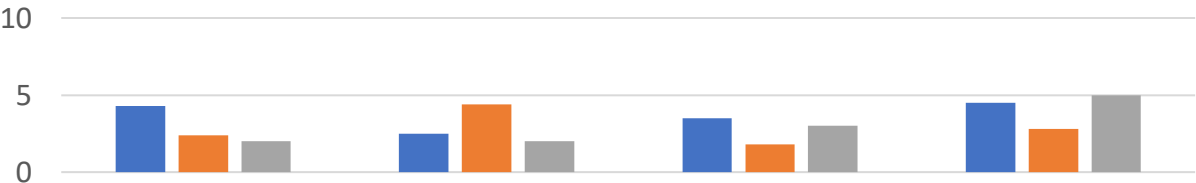
Bundles: []

Message TTL (seconds):

Retention Policies:

Nr. of Topics:

Nr. of Messages:



Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

[+](#) Add Topic

Topic View

Cluster_EMEA



All Tenants



Multi Namesp.



All Topics



Multi Consum.



Multi Producer



Topic_1

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

Producers: [[Producer 1](#), ...]

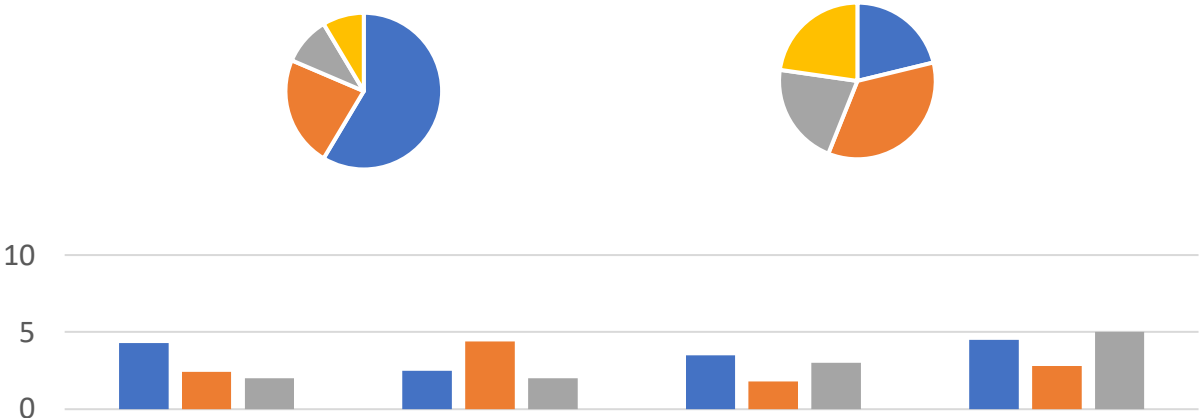
Consumers: [[Consumer 1](#), ...]

Owner Broker:

Nr. of Messages:

Avg. Size of Message:

Storage Size:



Topic_2

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

Producers: [[Producer 100](#), ...]

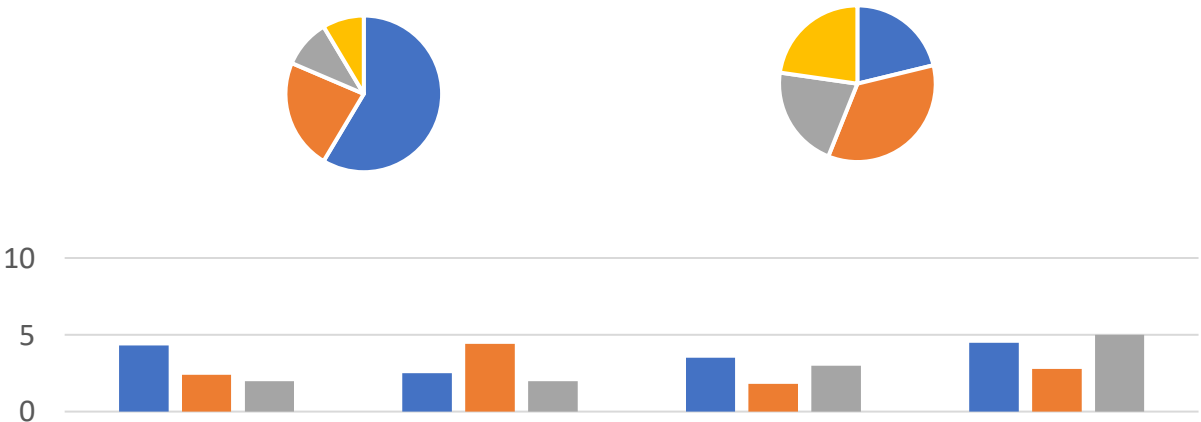
Consumers: [[Consumer 101](#), ...]

Owner Broker:

Nr. of Messages:

Avg. Size of Message:

Storage Size:



Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info



Add Topic

Topic_1

Cluster: Cluster_1

Namespace: default

Producers: [0]

Consumers: [0]

Owner Broker: [0]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

...

Topic_2

Cluster: Cluster_1

Namespace: default

Producers: [0]

Consumers: [0]

Owner Broker: [0]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

Add Topic:

Topic Name: _____

Cluster_EMEA



All Tenants



Multi Namesp.



X

Cluster_EMEA



Multi Namesp.



Topics



Multi Consum.



Multi Producer



Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info



Add Topic

Topic_1

Cluster: [Cluster_1](#)

Namespace: [Namespace_1](#)

Producers: [1]

Consumers: [1]

Owner Broker: [127.0.0.1:6650](#)

Nr. of Messages: 1

Avg. Size of Messages: 1024

Storage Size: 1024

...

Topic_2

Cluster: [Cluster_1](#)

Namespace: [Namespace_1](#)

Producers: [1]

Consumers: [1]

Owner Broker: [127.0.0.1:6650](#)

Nr. of Messages: 1

Avg. Size of Messages: 1024

Storage Size: 1024

Producer Information – Producer_100

X

Nr of Topics used:

List of Topics: [[Topic_2](#)]

Nr of Messages:

List of Messages: []

Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info



Add Topic

Topic_1

Cluster: [Cluster_EMEA](#)

Namespace: [default](#)

Producers: [0]

Consumers: [0]

Owner Broker: [0]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

...

Topic_2

Cluster: [Cluster_EMEA](#)

Namespace: [default](#)

Producers: [0]

Consumers: [0]

Owner Broker: [0]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

Consumer Information – Consumer_101

X

Nr of Topics registered:

List of Topics: [[Topic_2](#)]

Nr of Messages:

List of Messages: []

Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

+ Add Message

Message View

„Event system update successfull“

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

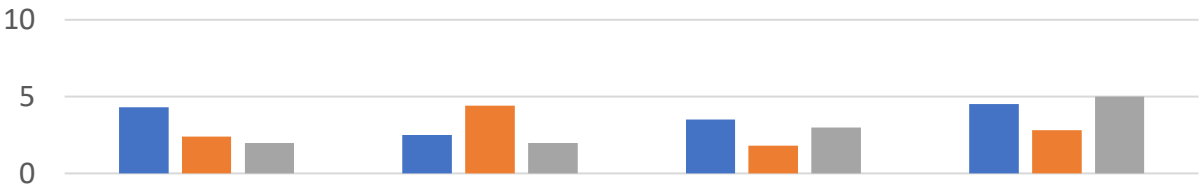
Topic: [Topic 1](#)

Schema: {}

Raw Data: „“

Message ID:

Publish Time:



„Event system update successfull“

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

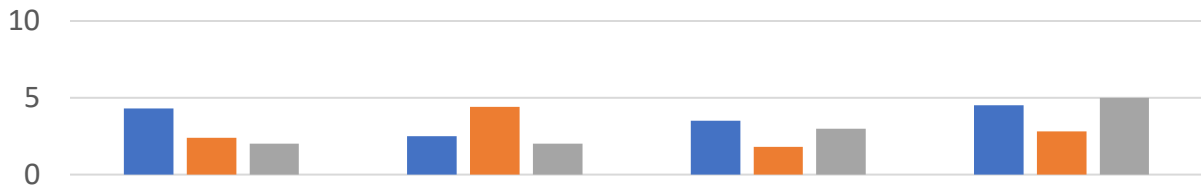
Topic: [Topic 1](#)

Schema: {}

Raw Data: „“

Message ID:

Publish Time:



Cluster_EMEA ↓

All Tenants ↓

Multi Namesp. ↓

All Topics ↓

Multi Consum. ↓

Multi Producer ↓

All Messages ↑

Event*

- ☒ Event sys...
- ☒ Event quit...
- ☐ Event order...
- ☐ Event test...

Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info



Add Message

Add Message:

Message Payload: _____

Cluster_EMEA



X

All Tenants



Multi Namesp.



All Topics



Cluster_EMEA



All Tenants



Multi Namesp.



All Topics



Multi Consum.



Multi Producer



All Messages



Event*

Event sys...

Event quit...

Event order...

Event test...