

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:

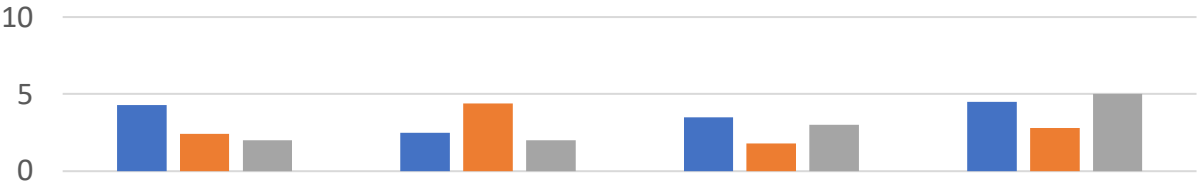
Nr. of Namespaces:

Nr. of Topics:

Nr. of Messages:

Service URL:

Broker Service URL:



### Cluster\_US

Nr. of Brokers:

Nr. of Bookies:

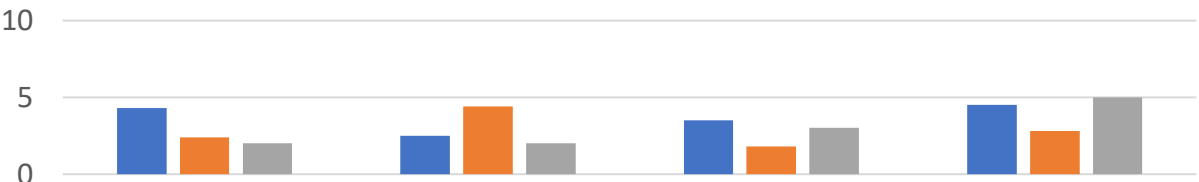
Nr. of Namespaces:

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

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Message

Info

## Tenant View

Cluster\_EMEA



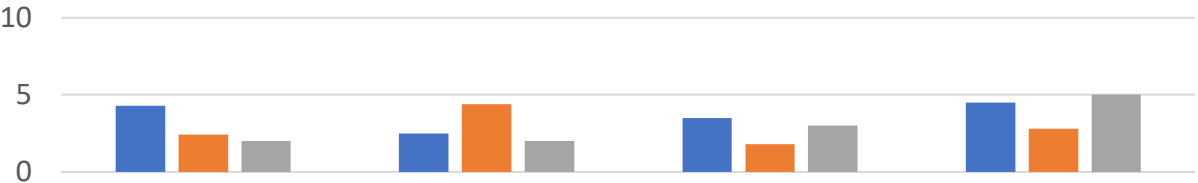
All Tenants



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](#)

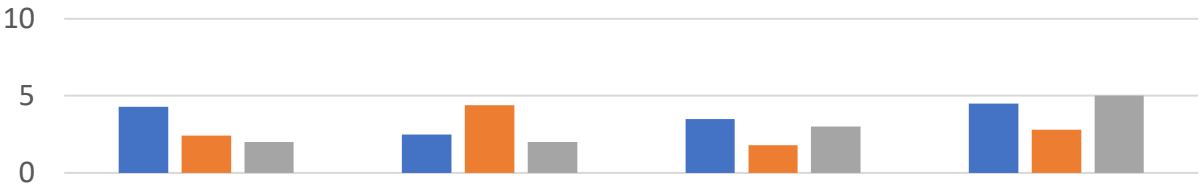
Bundles: []

Message TTL (seconds):

Retention Policies:

Nr. of Topics:

Nr. of Messages:



### Namespace\_2

Cluster: [Cluster\\_US](#)

Tenant: [Tenant\\_1](#)

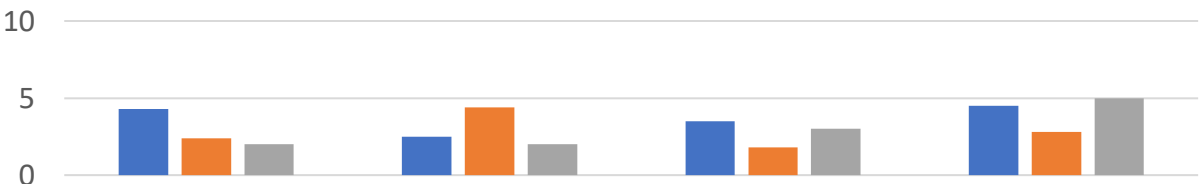
Bundles: []

Message TTL (seconds):

Retention Policies:

Nr. of Topics:

Nr. of Messages:



# Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

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Message

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## Topic View

### Topic\_1

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

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

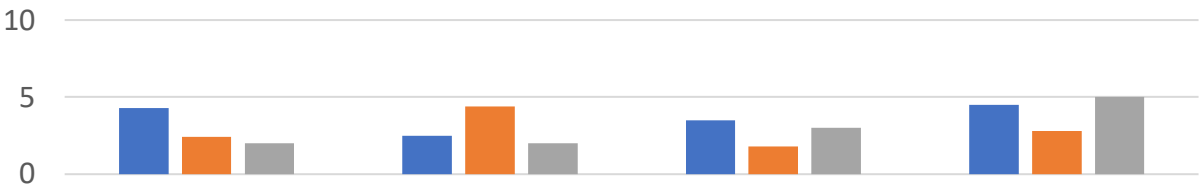
Consumers: [[Consumer 1](#), ...]

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](#), ...]

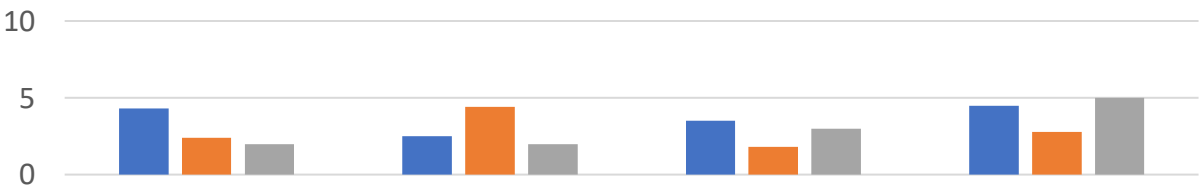
Consumers: [[Consumer 101](#), ...]

Owner Broker:

Nr. of Messages:

Avg. Size of Message:

Storage Size:



Cluster\_EMEA



All Tenants



Multi Namesp.



All Topics



Multi Consum.



Multi Producer



# Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

## Producer Information – Producer\_100

X

Nr of Topics used:

List of Topics: [[Topic\\_2](#)]

Nr of Messages:

List of Messages: []

### Topic\_1

Cluster: [Cluster\\_EMEA](#)

Namespace: [Multi Namesp.](#)

Producers: [[1 Topics](#)]

Consumers: [[Multi Consum.](#)]

Owner Broker: [[Multi Producer](#)]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

...

### Topic\_2

Cluster: [Cluster\\_EMEA](#)

Namespace: [Multi Namesp.](#)

Producers: [[1 Topics](#)]

Consumers: [[Multi Consum.](#)]

Owner Broker: [[Multi Producer](#)]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

[Cluster\\_EMEA](#) ↓

[Multi Namesp.](#) ↓

[1 Topics](#) ↓

[Multi Consum.](#) ↓

[Multi Producer](#) ↓

# Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

Tenant

Namespace

Topic

Message

Info

## Consumer Information – Consumer\_101

X

Nr of Topics registered:

List of Topics: [[Topic\\_2](#)]

Nr of Messages:

List of Messages: []

### Topic\_1

Cluster: [Cluster\\_EMEA](#)

Namespace: [multi Namesp.](#)

Producers: [[1 Topics](#)]

Consumers: [[multi Consum.](#)]

Owner Broker: [[multi Producer](#)]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

...

### Topic\_2

Cluster: [Cluster\\_EMEA](#)

Namespace: [multi Namesp.](#)

Producers: [[1 Topics](#)]

Consumers: [[multi Consum.](#)]

Owner Broker: [[multi Producer](#)]

Nr. of Messages: 0

Avg. Size of Messages: 0

Storage Size: 0

[Cluster\\_EMEA](#) ↓

[multi Namesp.](#) ↓

[1 Topics](#) ↓

[multi Consum.](#) ↓

[multi Producer](#) ↓



# Apache Pulsar UI - Dashboard

Connected to: localhost:8080

Disconnect

Cluster

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## Message View

„Event system update successfull“

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

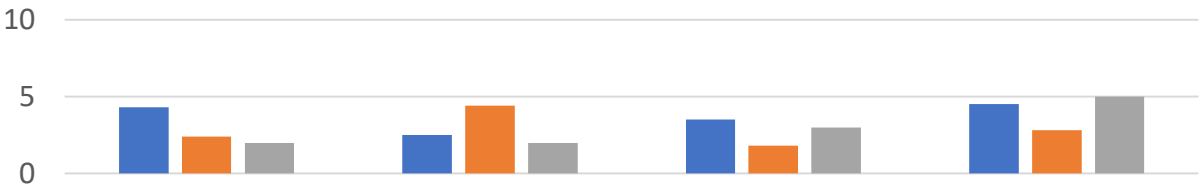
Topic: [Topic 1](#)

Schema: {}

Raw Data: „“

Message ID:

Publish Time:



„Event system update successfull“

Cluster: [Cluster EMEA](#)

Tenant: [Tenant 1](#)

Namespace: [Namespace 1](#)

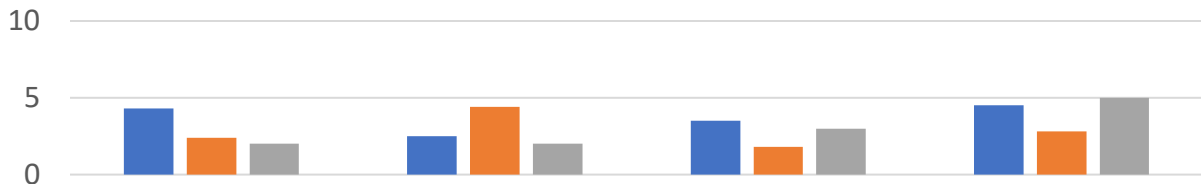
Topic: [Topic 1](#)

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...