Configuring the Pulsar Cluster

James Wilson

SOFTWARE ENGINEER

@jam_wils   www.devintegrations.com

Team Checklist

Overview of Apache Pulsar

Apache Pulsar vs Apache Kafka

Setting up Google Kubernetes Engine

Installing Apache Pulsar with Helm

Customizing the Helm chart

Securing our Apache Pulsar cluster

Creating producers and consumers

Leveraging schemas in our cluster

Overview

Review tenants, namespaces, and topics

Set up and use the Pulsar Manager

Leverage the Pulsar Admin CLI tool

Deep dive into the Pulsar Helm Chart

Customize the Helm Chart for TLS

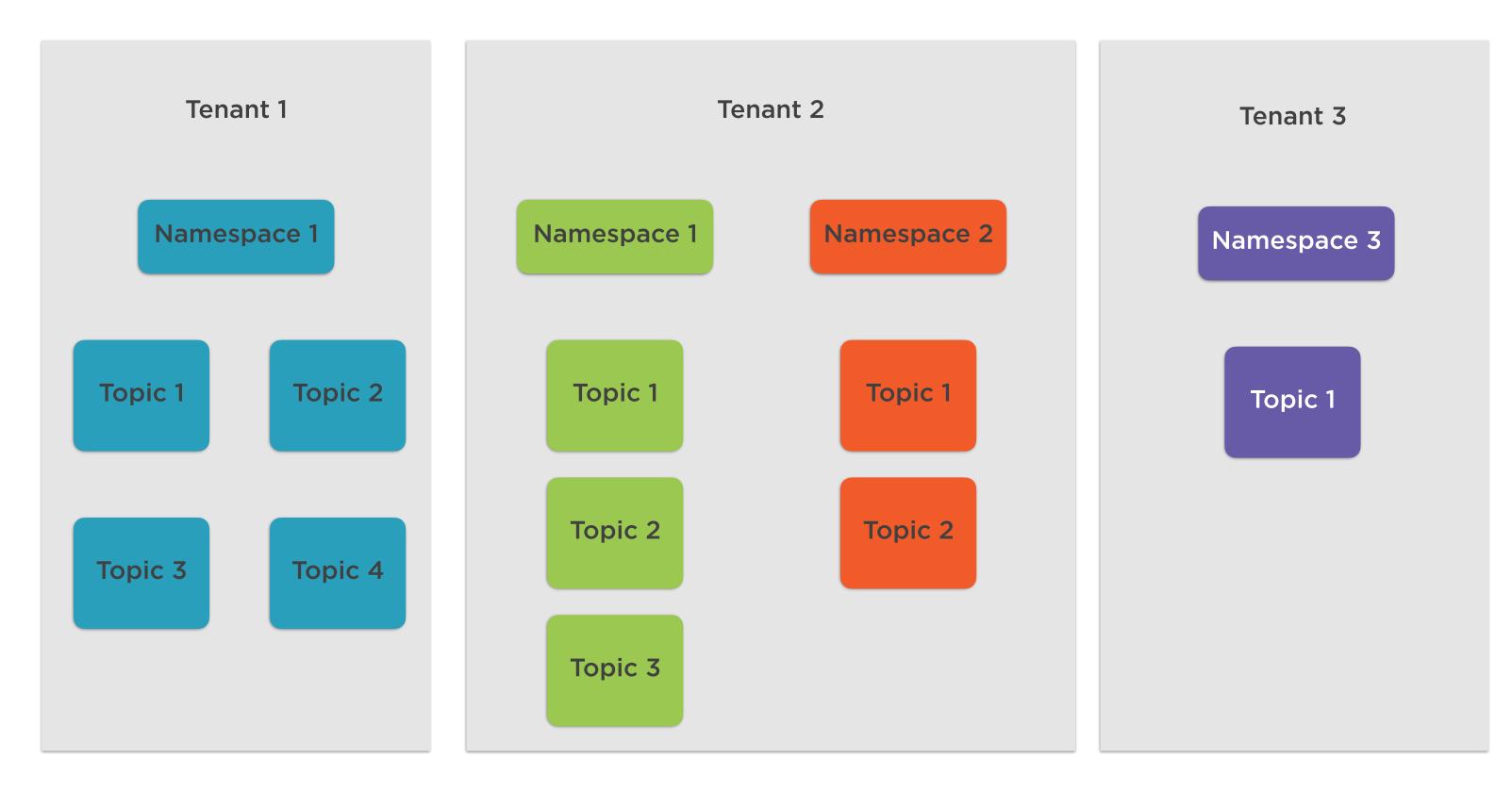Use the Admin REST API through proxy

Look at Pulsar config documentation

Multi Tenancy

Tenant 1

Tenant 2

Tenant 3

Multi Tenancy

Tenant 1

Namespace 1

Tenant 2

Namespace 1

Namespace 2

Tenant 3

Namespace 3

Multi Tenancy

```
// Path to the topic 1
persistent://tenant1/namespace1/topic1

// Path to the topic 2
non-persistent://tenant1/namespace1/topic2
```

Tenant, Namespace, and Topic Paths

```
// Path to the topic metrics
persistent://marketing/app1/metrics

// Path to the topic users
non-persistent://sales/app1/users
```

Tenant, Namespace, and Topic Paths

Summary

Reviewed tenants, namespaces, and topics

Set up and used the Pulsar Manager

Leveraged the Pulsar Admin CLI tool

Deep dive into the Pulsar Helm Chart

Customized the Helm Chart for TLS

Used the Admin REST API through proxy

Looked at Pulsar config documentation