

Leveraging the Pulsar Schema Registry



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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

Discuss the importance of schemas

Introducing the schema registry

Create a JSON schema

Producer and Consumer leverage schema

Enforce schema validation

Update our schema

Schema compatibility strategies

Driving changes through the Admin REST API

Pulsar and Schemas

**Reason about the
System**

**Managed by
BookKeeper**

Basic Types

**Complex Types and
Multiple Protocols**

SchemaInfo

schema.json

```
{
  "name": "core.User",
  "type": "JSON",
  "schema": "{
    \"fields\"[
      {\"name\":\"id\",\"type\":\"string\"},
      {\"name\":\"Name\",\"type\":\"string\"}
    ],
    \"name\":\"User\",
    \"namespace\":\"core\",
    \"type\":\"record\"
  }",
  "properties": {
    "__alwaysAllowNull": "false"
  }
}
```

Pulsar and Schemas

**Reason about the
System**

**Managed by
BookKeeper**

Basic Types

**Complex Types and
Multiple Protocols**

Evolve the Schema

Control

Summary

Discussed the importance of schemas

Introduced the schema registry

Created a JSON schema

Producer and Consumer leveraged schema

Enforced schema validation

Updated our schema

Schema compatibility strategies

**Modified schema settings from the Admin
REST API**

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