

Tushar Biswas

Kafka Administrator

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Summary

Managed and supported Apache Kafka clusters across various environments including Dev, QA, UAT, and Production, ensuring seamless data streaming and high availability. Implemented robust security controls with SSL/TLS and SASL authentication to maintain secure communication and compliance. Proficient in Confluent Kafka, Apache Zookeeper, Kafka Streams, Kafka Connect, ksqldb, Schema Registry, and Shell scripting, making this individual a key asset for any Kafka Admin role requiring advanced technical expertise and security mandates.

Technical Skills

- **Kafka Ecosystem:** Confluent Kafka, Apache Zookeeper, Kafka Streams, Kafka Connect, ksqldb, Schema Registry
- **DevOps Tools:** Jenkins, Docker, Git, Kubernetes
- **Cluster Management:** Cluster Scaling, Performance Tuning, Data Replication
- **Security:** SSL/TLS, SASL, Kerberos
- **Monitoring Tools:** AppDynamics, Splunk, Prometheus, Grafana
- **Scripting:** Shell
- **Platform:** Linux
- **Ticketing Tool:** ServiceNow

Experience

Kafka Administrator - Cloud & Infra

July 2022 – Present

LTIMindtree Limited

Pune, India

- Managed and supported Apache Kafka clusters across Dev, QA, UAT, and Production environments, including setup, configuration, scaling, maintenance, and security configurations Mandatory skill in Kafka streams.
- Implemented security controls with SSL/TLS and SASL authentication to ensure secure communication and access management across enterprise systems, including mandatory kafka streams configurations for Apache Kafka environments.
- Automated Kafka operational tasks (user provisioning, topic creation, monitoring alerts) using Shell scripting and CI/CD pipelines; ensured security compliance with Apache Kafka best practices
- Executed Kafka upgrades (versions 6.x and 7.x) and patching with minimal downtime, ensuring high availability and stability; implemented security measures to meet mandatory skill requirements.
- Configured and administered Apache Kafka Connect (source sink connectors) to integrate external systems with Kafka, ensuring reliable and scalable data streaming. Implemented security measures to meet mandatory requirements.
- Created and maintained operational runbooks, documentation, and troubleshooting guides, enabling efficient cross-team support.
- Designed and maintained disaster recovery (DR) plans for business continuity in mission-critical deployments.
- Worked with ksqldb and Schema Registry for real-time stream processing, schema evolution, and governance.
- Streamlined broker, topic, and partition configurations to achieve high throughput and low latency for business-critical data pipelines.
- Proactively monitored cluster health, broker performance, and consumer lag using Prometheus/Grafana, resolving bottlenecks to ensure SLA compliance.
- Collaborated with developers, application teams, and stakeholders to design and optimize data streaming solutions.

Certifications

Cloud Practitioner - AWS (Issued Jun 2025 · Expires Jun 2028)

Azure Fundamentals - Microsoft (Issued Sep 2022)

Education

Technique Polytechnic Institute

Diploma in Computer Science and Technology

Hooghly, India

2019 – 2022

Uttarpara Govt. High School

Higher Secondary Certificate (Commerce)

Hooghly, India

2017 – 2019