

Esper EQC

Horizontal Scale-Out
for Complex Event Processing

Esper EQC - Introduction

- Esper query container (EQC) is the horizontal scale-out architecture for Complex Event Processing with Esper and EsperHA
- EQC allows adding more nodes to and removing nodes from a system, such as to achieve:
 - distributed processing
 - fault tolerance
 - automated and fast fail-over
 - replication and reprocessing
 - rebalancing load dynamically
 - no-downtime rolling deployments
 - support for multiple data centers
 - dynamic discovery

Esper EQC - Architecture

- ▣ Builds on and requires proven components
 - ▣ Zookeeper
 - ▣ Kafka and Kafka Streams

- ▣ EQC is part of Enterprise Edition
 - ▣ Esper for core query execution
 - ▣ EsperHA for state management

- ▣ EQC is currently in BETA release

Thank you

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