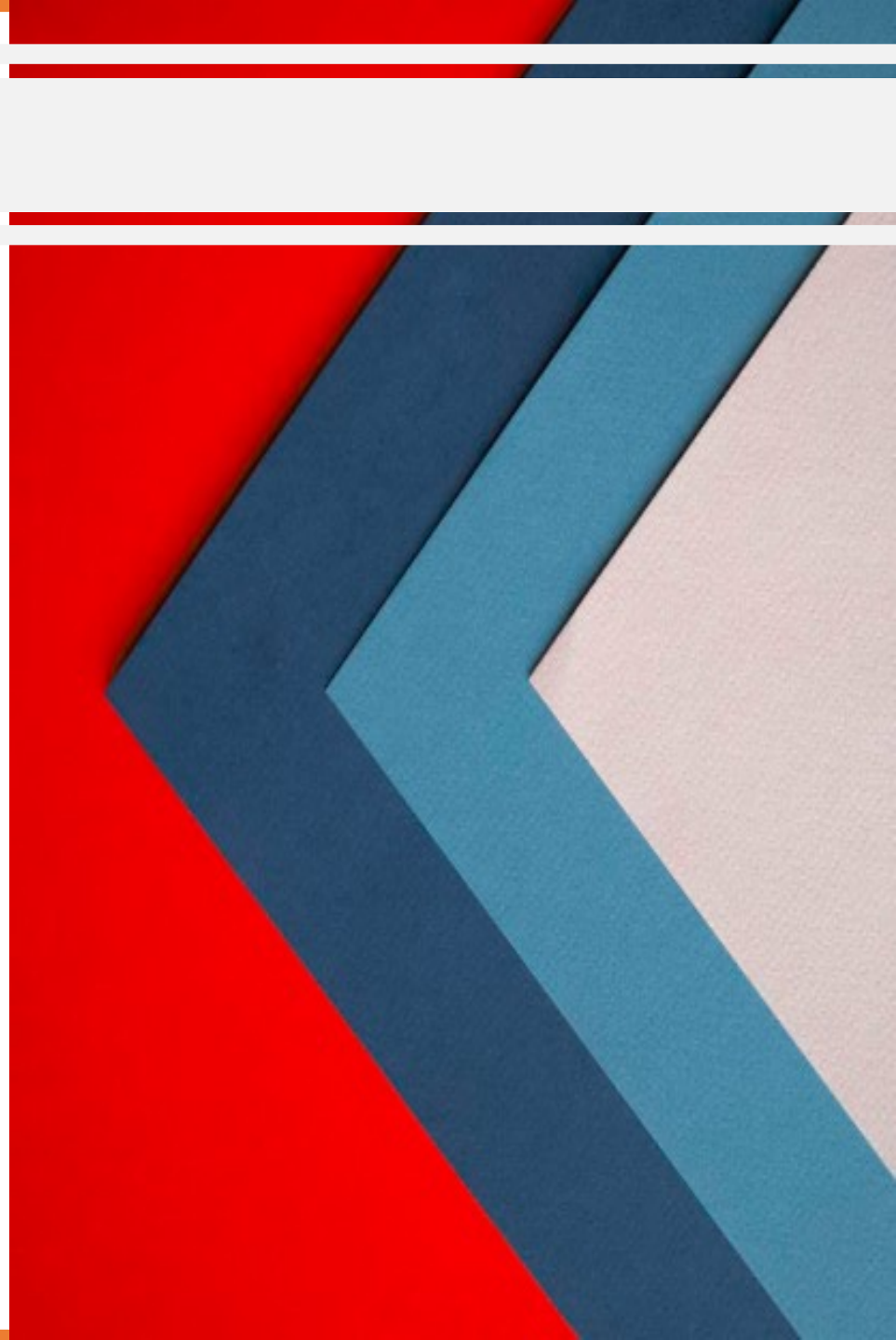
Kafka Work Distribution Architecture – Part 1

Kafka Architecture

1. Partitions – Log Files
2. Cluster Formation



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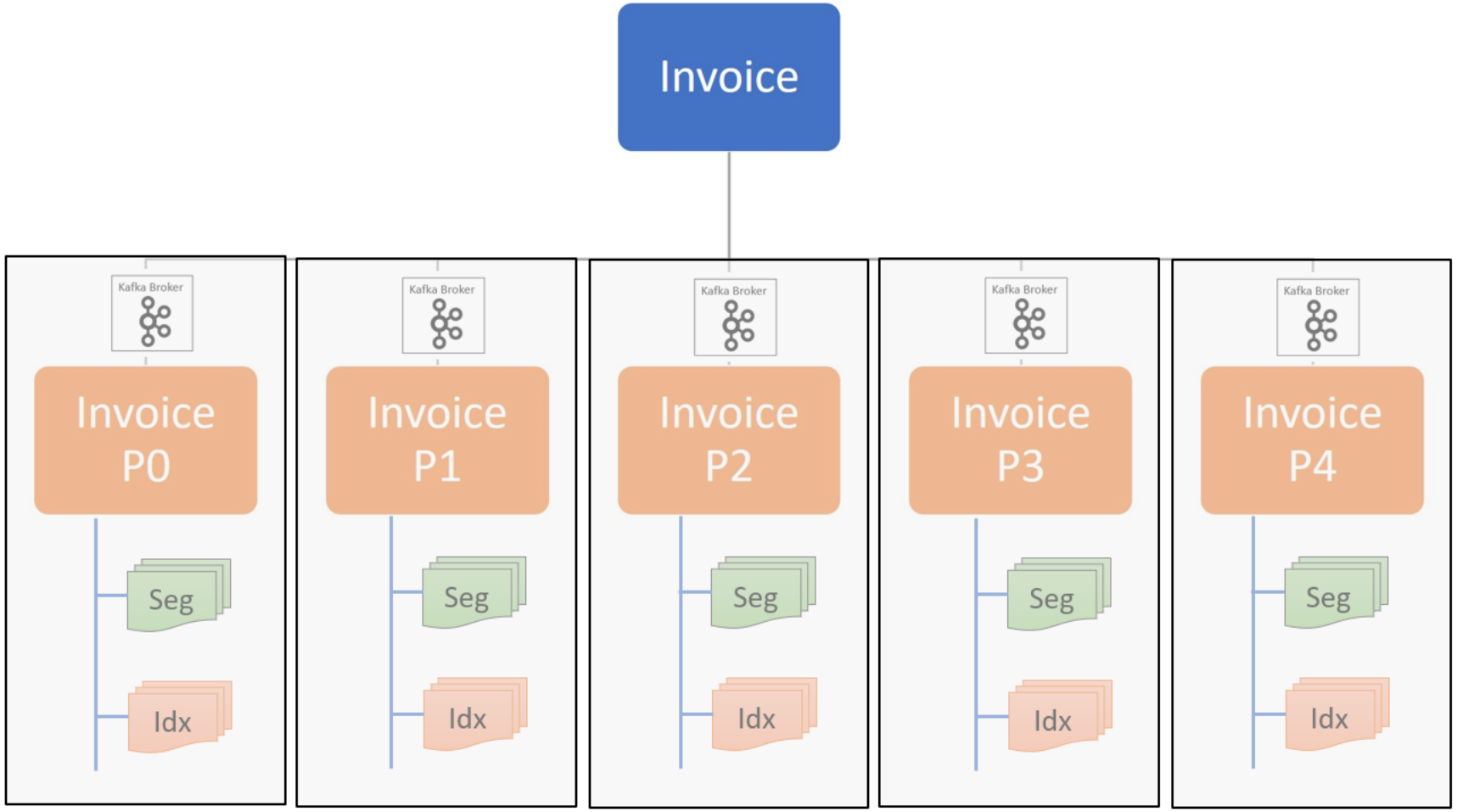
Kafka Architecture



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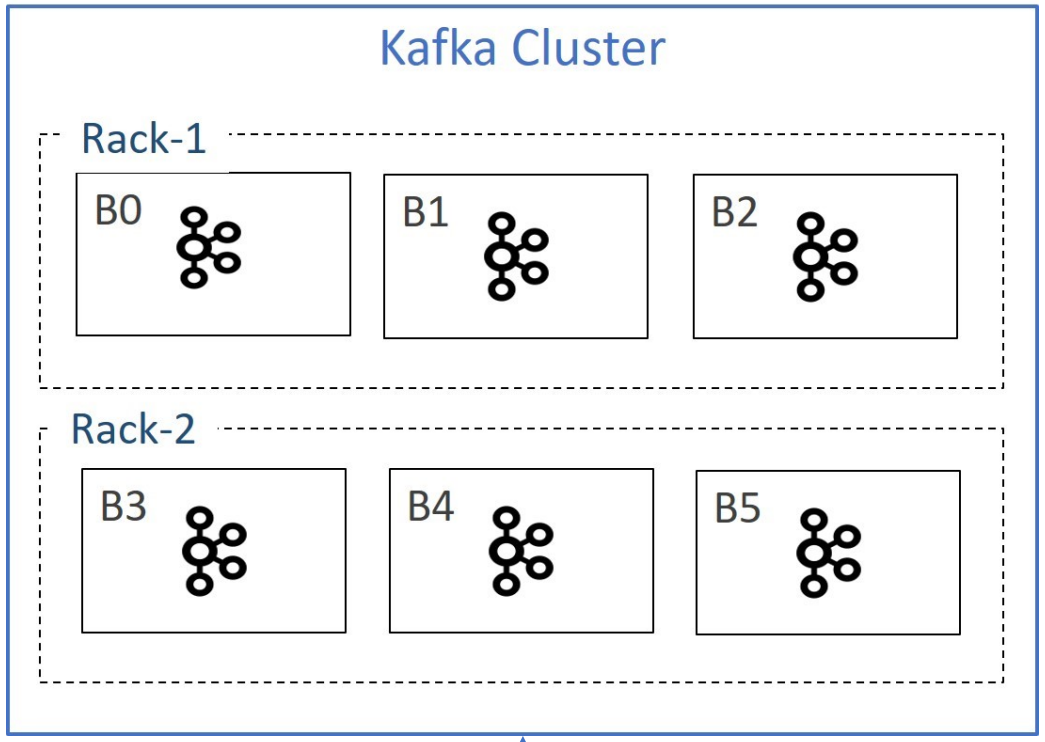
Partition Assignment



Topic - Invoice

1. Partitions -> 10
2. Replication Factor -> 3

Total Replicas = 30

1. Even Distribution
2. Fault Tolerance.

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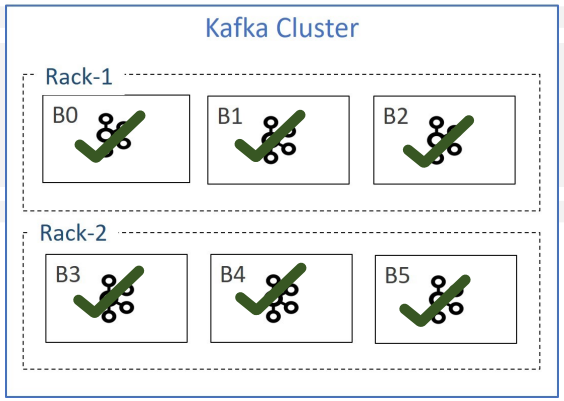
Partition Assignment



R1-B0

R2-B3

R1-B1

R2-B4

R1-B2

R2-B5

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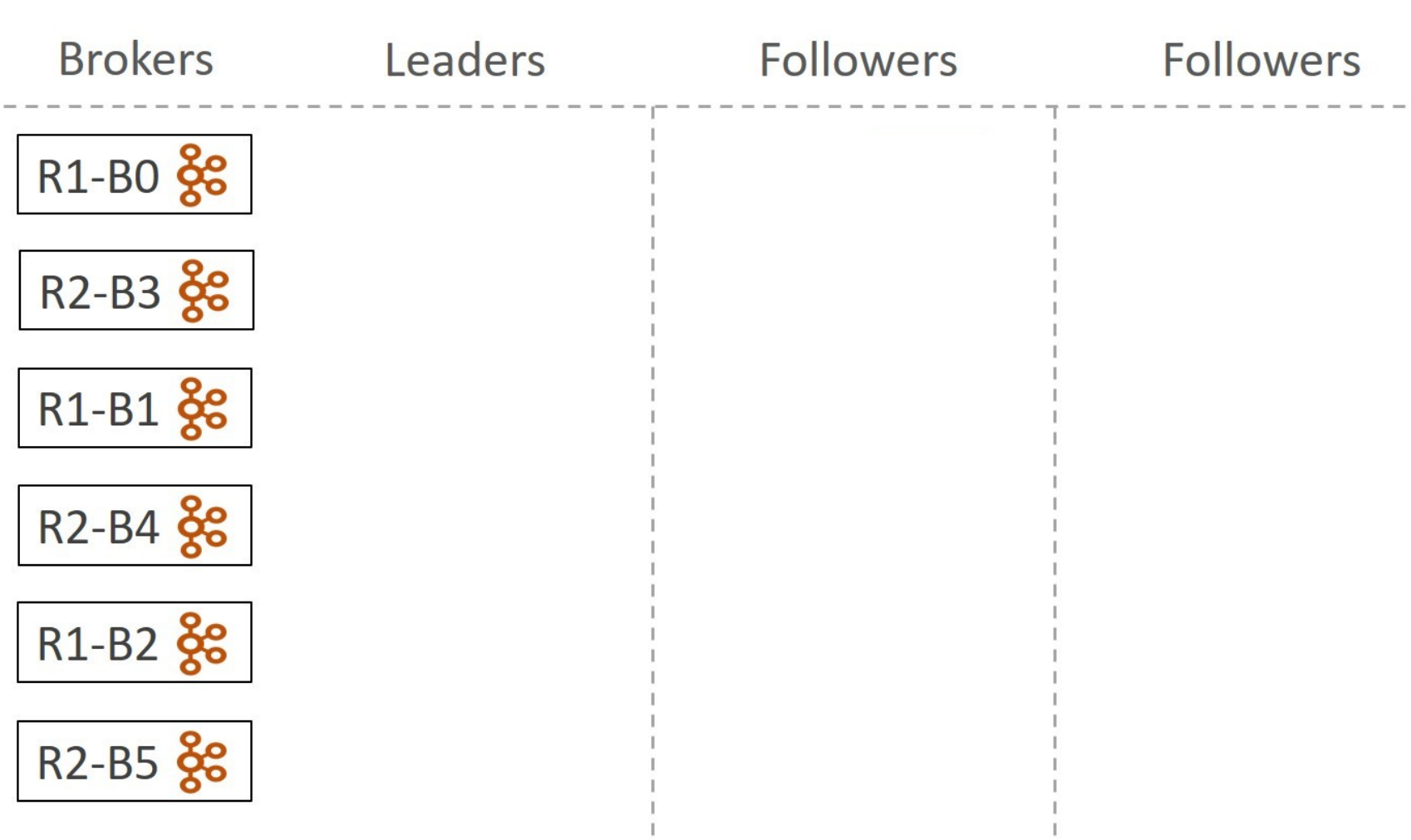
Partition Assignment

P0	P0	P0
P1	P1	P1
P2	P2	P2
P3	P3	P3
P4	P4	P4
P5	P5	P5
P6	P6	P6
P7	P7	P7
P8	P8	P8
P9	P9	P9



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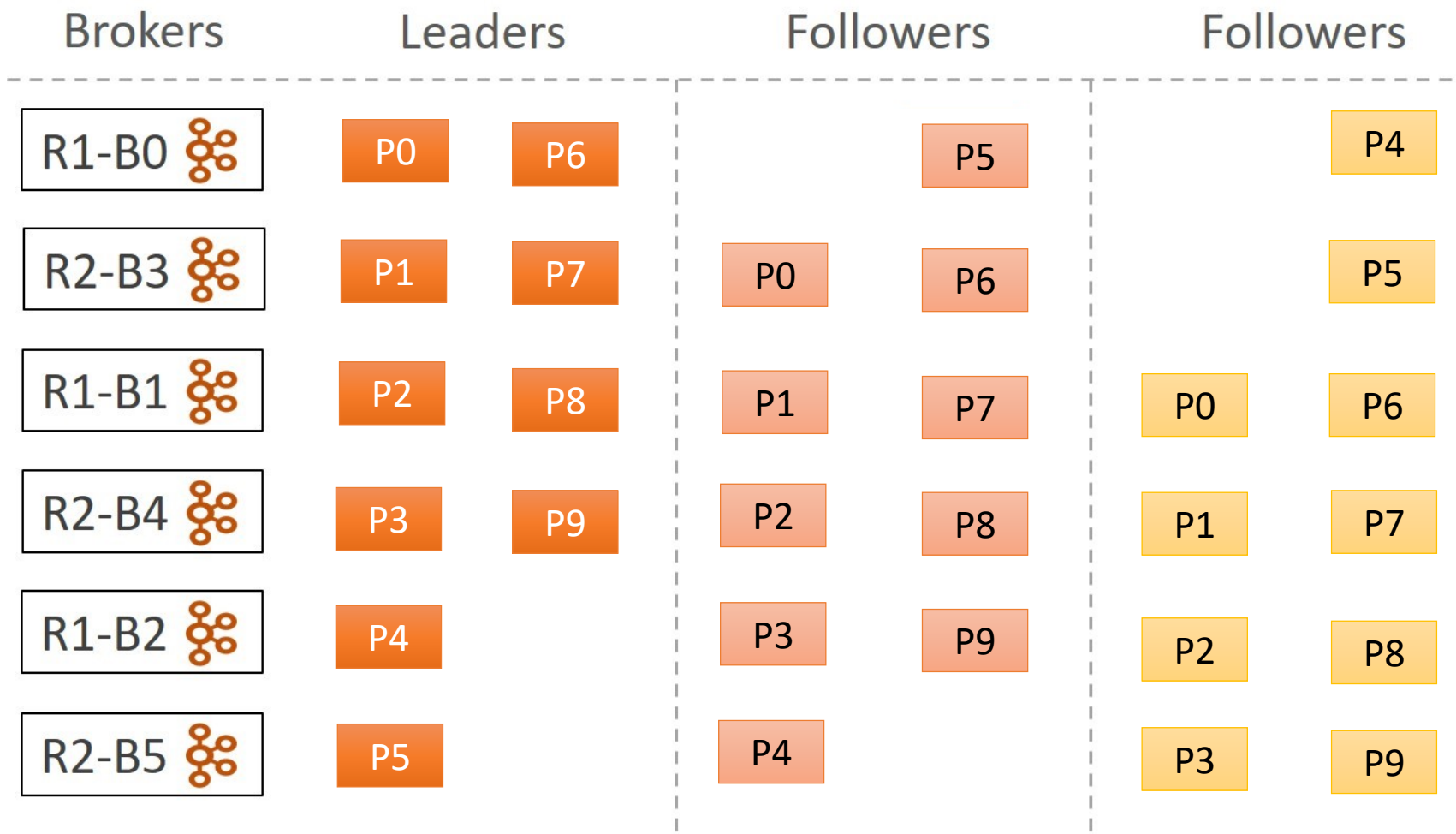
Partition Assignment



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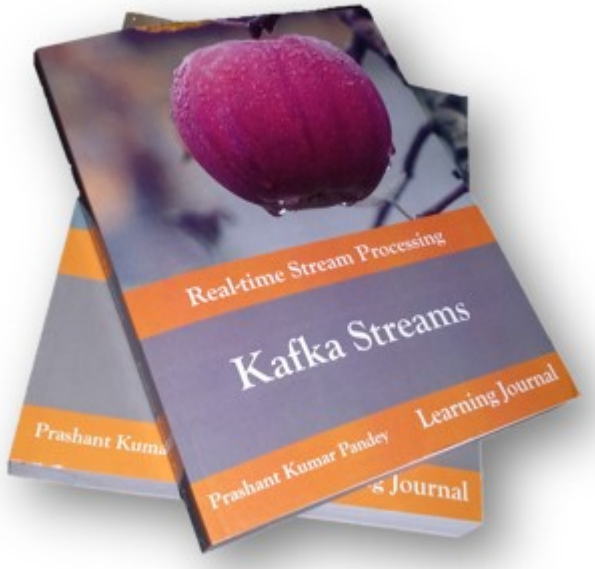
Video Based Course



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