/opt/kafka/bin/kafka-reassign-partitions.sh

/opt/kafka/bin/kafka-topics.sh --zookeeper 10.156.0.12:2181 --list

/opt/kafka/bin/kafka-topics.sh --zookeeper 10.156.0.12:2181 --topic xyz --create --partitions 5 --replication-factor 2

/opt/kafka/bin/kafka-topics.sh --zookeeper 10.156.0.12:2181 --topic xyz --describe

Topic:test\_reassign PartitionCount:5 ReplicationFactor:2 Configs:

Topic: test\_reassign Partition: 0 Leader: 2 Replicas: 2,1 Isr: 2,1

Topic: test\_reassign Partition: 1 Leader: 0 Replicas: 0,2 Isr: 0,2

Topic: test\_reassign Partition: 2 Leader: 1 Replicas: 1,0 Isr: 1,0

Topic: test\_reassign Partition: 3 Leader: 2 Replicas: 2,0 Isr: 2,0

Topic: test\_reassign Partition: 4 Leader: 0 Replicas: 0,1 Isr: 0,1

We would like to remove broker 1 -- so we need to re-assign the partitions for this topic:

/opt/kafka/bin/kafka-reassign-partitions.sh --zookeeper 10.156.0.12:2181 --generate --topics-to-move-json-file topics3.json --broker-list 1,3

Topics.json

{"topics": [

{"topic": "xyz"}],"version":1}

Current partition replica assignment

{"version":1,"partitions":[{"topic":"v","partition":0,"replicas":[2,3],"log\_dirs":["any","any"]},{"topic":"v","partition":1,"replicas":[3,1],"log\_dirs":["any","any"]},{"topic":"v","partition":2,"replicas":[1,2],"log\_dirs":["any","any"]},{"topic":"v","partition":3,"replicas":[2,1],"log\_dirs":["any","any"]},{"topic":"v","partition":4,"replicas":[3,2],"log\_dirs":["any","any"]}]}

Proposed partition reassignment configuration

{"version":1,"partitions":[{"topic":"v","partition":0,"replicas":[1,3],"log\_dirs":["any","any"]},{"topic":"v","partition":1,"replicas":[3,1],"log\_dirs":["any","any"]},{"topic":"v","partition":2,"replicas":[1,3],"log\_dirs":["any","any"]},{"topic":"v","partition":3,"replicas":[3,1],"log\_dirs":["any","any"]},{"topic":"v","partition":4,"replicas":[1,3],"log\_dirs":["any","any"]}]}

Save proposed configuration in reassignment.json

To run this plan, we will use the kafka-reassign-partitions.sh tool with the --execute command. It takes the generated reassignment.json file as input.

/opt/kafka/bin/kafka-reassign-partitions.sh --zookeeper 10.156.0.12:2181 --execute --reassignment-json-file reassignement.json

Current partition replica assignment

{"version":1,"partitions":[{"topic":"v","partition":0,"replicas":[2,3],"log\_dirs":["any","any"]},{"topic":"v","partition":1,"replicas":[3,1],"log\_dirs":["any","any"]},{"topic":"v","partition":2,"replicas":[1,2],"log\_dirs":["any","any"]},{"topic":"v","partition":3,"replicas":[2,1],"log\_dirs":["any","any"]},{"topic":"v","partition":4,"replicas":[3,2],"log\_dirs":["any","any"]}]}

Save this to use as the --reassignment-json-file option during rollback

Successfully started reassignment of partitions.

/opt/kafka/bin/kafka-topics.sh --zookeeper 10.156.0.12:2181 --topic xyz --describe

Topic: v PartitionCount: 5 ReplicationFactor: 2 Configs:

Topic: v Partition: 0 Leader: 1 Replicas: 1,3 Isr: 3,1

Topic: v Partition: 1 Leader: 3 Replicas: 3,1 Isr: 3,1

Topic: v Partition: 2 Leader: 1 Replicas: 1,3 Isr: 1,3

Topic: v Partition: 3 Leader: 3 Replicas: 3,1 Isr: 1,3

Topic: v Partition: 4 Leader: 3 Replicas: 1,3 Isr: 3,1