Confluent Platform

2 nodes, each with:
8 cores
32 GB RAM
Storage
----
20 GB OS mount
120 GB data mount

Connect + Connectors + Schema Registry

External ports: 8081, 8083
Internal ports: 8081, 8083

kaf-7schema001.dev.mtb.com - 10.14.130.77
kaf-7schema002.dev.mtb.com - 10.14.131.124

Confluent KSQL

2 nodes, each with:
4 cores
32 GB RAM
Storage
----
20 GB OS mount
200 GB SSD data mount

KSQL

External ports: 8088
Internal ports: 8088

kaf-7sql001.dev.mtb.com - 10.14.131.123
kaf-7sql002.dev.mtb.com - 10.14.131.126

Confluent Kafka

3 nodes, each with:
12 cores
48 GB RAM
Storage
----
20 GB OS mount
80 GB data mount
5 x 1 TB SSD separate data mounts
512 GB SSD data mount

Brokers + ZooKeeper

External ports: 9093
Internal ports: 2182, 2888, 3888, 8090, 9092

kaf-7broker001.dev.mtb.com - 10.14.130.125
kaf-7broker002.dev.mtb.com - 10.14.131.125
kaf-7broker003.dev.mtb.com - 10.14.131.127

Confluent Control Center

1 node with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
300 GB data mount

Control Center

External ports: 9021
Internal ports: N/A

kaf-7ctlc001.dev.mtb.com - 10.14.131.122

Kafka Dev

Confluent Schema Registry

2 nodes, each with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount

kaf-4schema001.cert.mtb.com
kaf-4schema002.cert.mtb.com
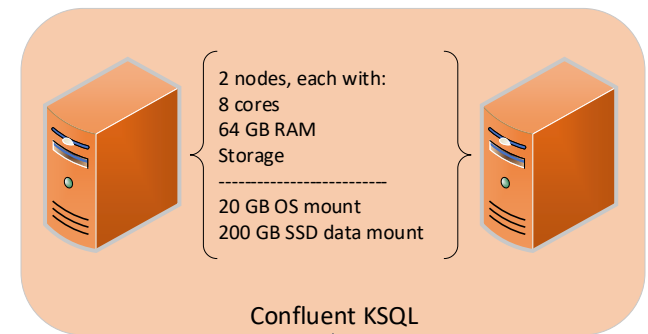
External ports:8081
Internal ports: 8081

Confluent Connect

2 nodes, each with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount
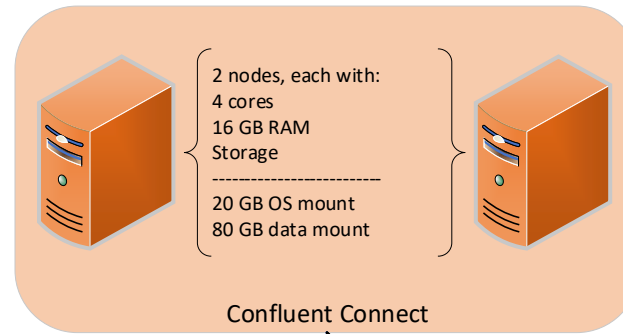
kaf-4con001.cert.mtb.com
kaf-4con002.cert.mtb.com

External ports:8083
Internal ports: 8083

Confluent Kafka Brokers

4 nodes, each with:
16 cores
64 GB RAM
Storage
----
20 GB OS mount
40 GB data mount
12 x 1 TB SSD separate
data mounts
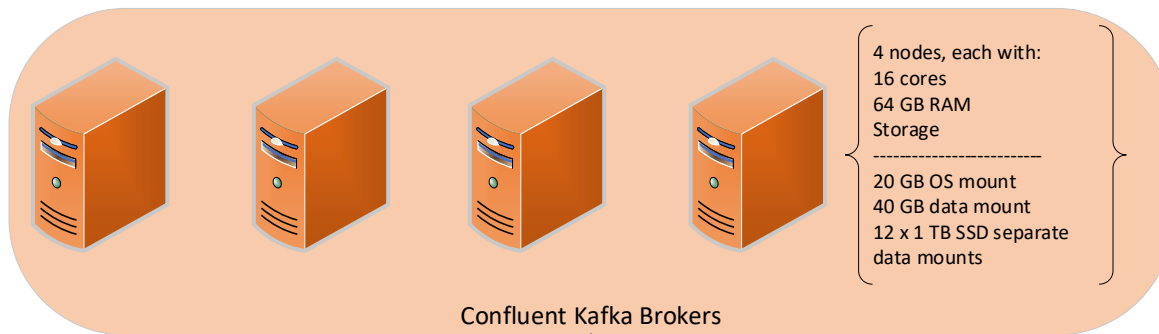
kaf-4kafka001.cert.mtb.com
kaf-4kafka002.cert.mtb.com
kaf-4kafka003.cert.mtb.com
kaf-4kafka004.cert.mtb.com

External ports:9093
Internal ports: 8090, 9092

Confluent KSQL

2 nodes, each with:
8 cores
64 GB RAM
Storage
----
20 GB OS mount
200 GB SSD data mount

kaf-4ksql001.cert.mtb.com
kaf-4ksql002.cert.mtb.com

External ports:8088
Internal ports: 8088

Confluent Kafka Zookeepers

5 nodes, each with:
4 cores
32 GB RAM
Storage
----
20 GB OS mount
40 GB data mount
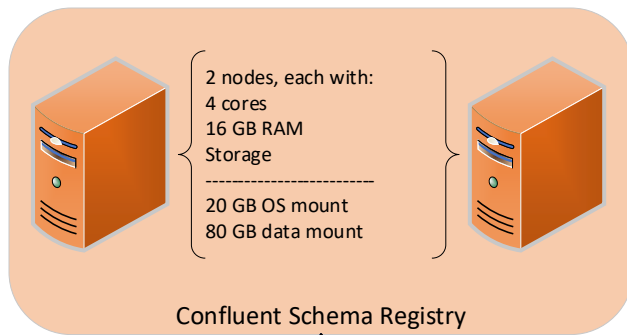2 x 1 TB separate data
mounts
512 GB SSD data mount
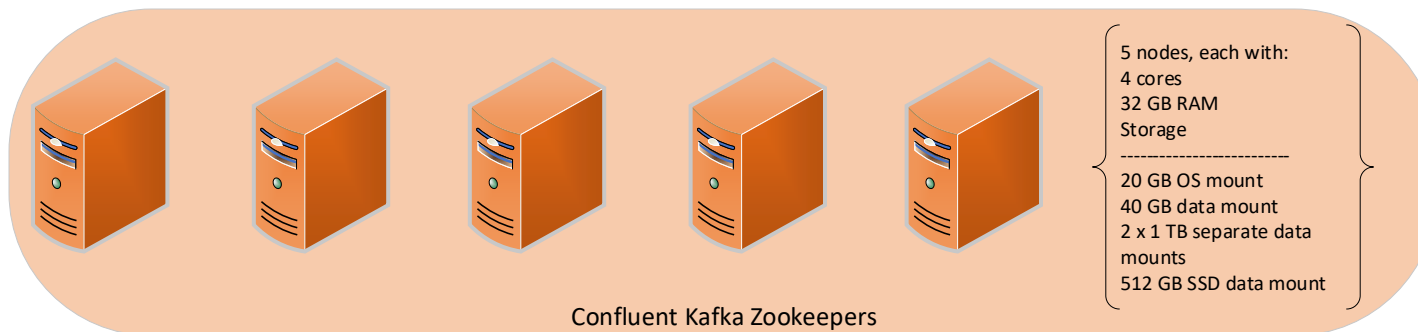
kaf-4kafz001.cert.mtb.com
kaf-4kafz002.cert.mtb.com
kaf-4kafz003.cert.mtb.com
kaf-4kafz004.cert.mtb.com
kaf-4kafz005.cert.mtb.com
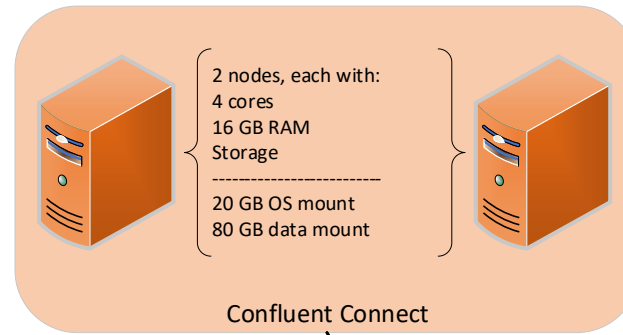
External ports:N/A
Internal ports: 2182, 2888, 3888

Confluent Control Center

1 node with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
300 GB data mount
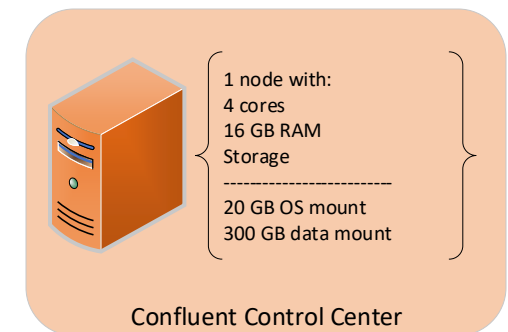
kaf-4ctrlc001.cert.mtb.com

External ports:9021
Internal ports: N/A

Kafka Cert

Confluent Schema Registry

2 nodes, each with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount

kaf-1schema001.prod.mtb.com
kaf-1schema002.prod.mtb.com

External ports:8081
Internal ports: 8081

Confluent Connect

2 nodes, each with:
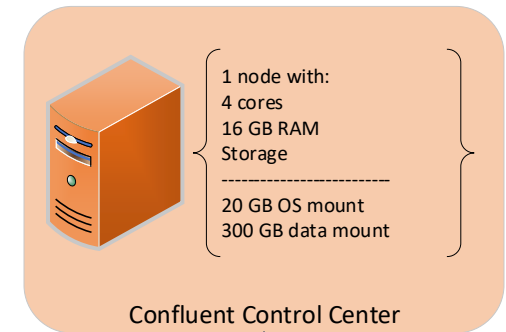4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount

kaf-1con001.prod.mtb.com
kaf-1con002.prod.mtb.com

External ports:8083
Internal ports: 8083

Confluent Kafka Brokers

4 nodes, each with:
16 cores
64 GB RAM
Storage
----
20 GB OS mount
40 GB data mount
12 x 1 TB SSD separate
data mounts
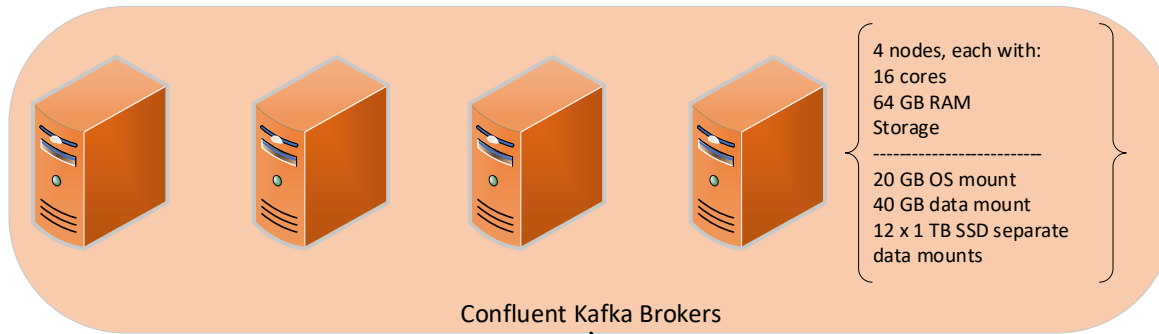
kaf-1kafka001.prod.mtb.com
kaf-1kafka002.prod.mtb.com
kaf-1kafka003.prod.mtb.com
kaf-1kafka004.prod.mtb.com

External ports:9093
Internal ports: 8090, 9092

Confluent KSQL

2 nodes, each with:
8 cores
64 GB RAM
Storage
----
20 GB OS mount
200 GB SSD data mount
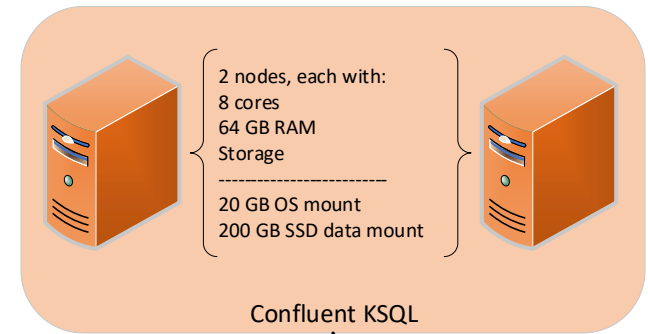
kaf-1ksql001.prod.mtb.com
kaf-1ksql002.prod.mtb.com

External ports:8088
Internal ports: 8088

Confluent Kafka Zookeepers

3 nodes, each with:
4 cores
32 GB RAM
Storage

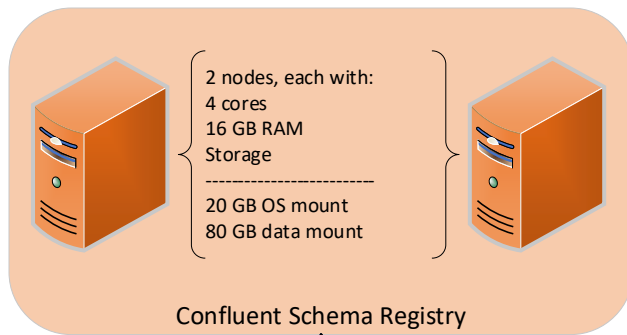20 GB OS mount
40 GB data mount
1 TB data mount
512 GB SSD data mount

kaf-1kafzoo001.prod.mtb.com
kaf-1kafzoo002.prod.mtb.com
kaf-1kafzoo003.prod.mtb.com
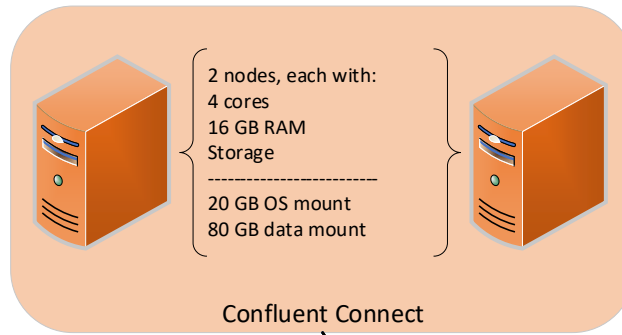
External ports:N/A
Internal ports: 2182, 2888, 3888

Confluent Control Center

1 node with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
300 GB data mount

kaf-1ctrlc001.prod.mtb.com

External ports:9021
Internal ports: N/A

Kafka Prod Park Club Lane

Confluent Schema Registry

2 nodes, each with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount

kaf-1schema051.prod.mtb.com
kaf-1schema052.prod.mtb.com

External ports:8081
Internal ports: 8081

Confluent Connect

2 nodes, each with:
4 cores
16 GB RAM
Storage
----
20 GB OS mount
80 GB data mount

kaf-1con051.prod.mtb.com
kaf-1con052.prod.mtb.com

External ports:8083
Internal ports: 8083

Confluent Kafka Brokers

4 nodes, each with:
16 cores
64 GB RAM
Storage
----
20 GB OS mount
40 GB data mount
12 x 1 TB SSD separate
data mounts
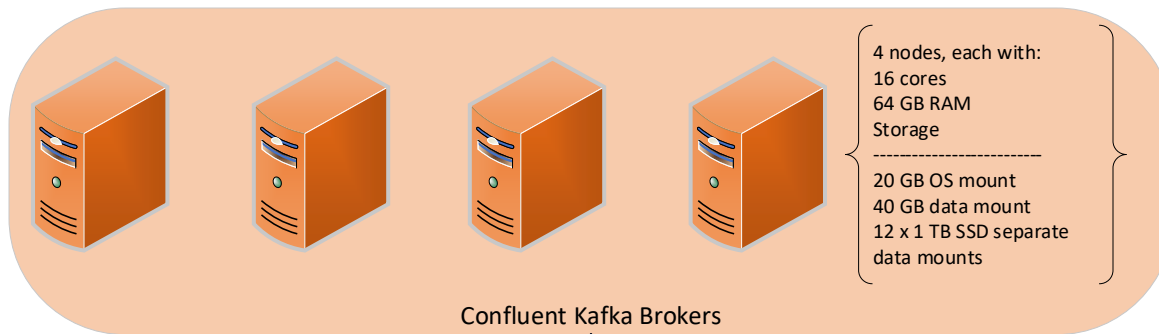
kaf-1kafka051.prod.mtb.com
kaf-1kafka052.prod.mtb.com
kaf-1kafka053.prod.mtb.com
kaf-1kafka054.prod.mtb.com

External ports:9093
Internal ports: 8090, 9092

Confluent KSQL

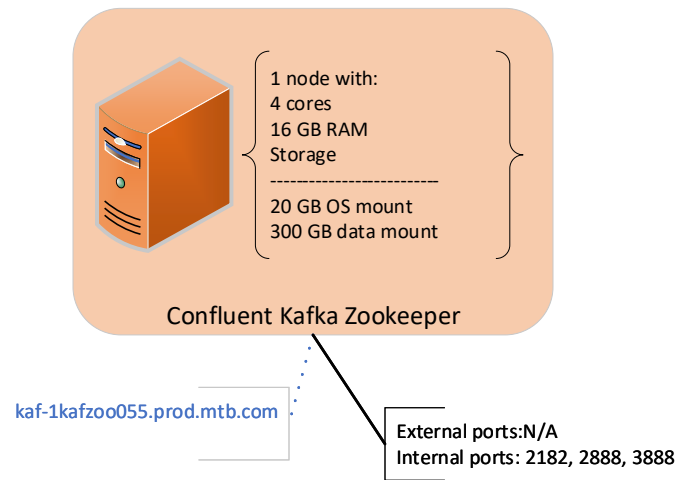2 nodes, each with:
8 cores
64 GB RAM
Storage
----
20 GB OS mount
200 GB SSD data mount
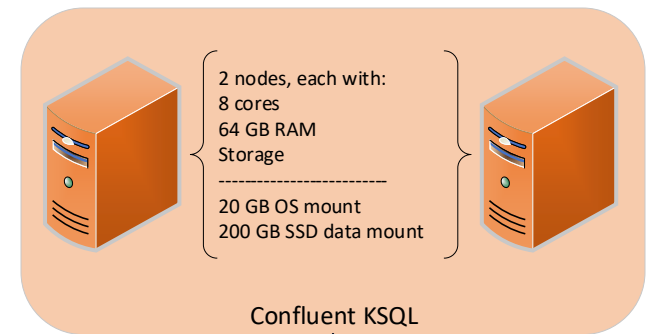
kaf-1ksql051.prod.mtb.com
kaf-1ksql052.prod.mtb.com

External ports:8088
Internal ports: 8088

Confluent Kafka Zookeepers

3 nodes, each with:
4 cores
32 GB RAM
Storage
----
20 GB OS mount
40 GB data mount
1 x 1 TB data mount
512 GB SSD data mount

kaf-1kafzoo051.prod.mtb.com
kaf-1kafzoo052.prod.mtb.com
kaf-1kafzoo053.prod.mtb.com

External ports:N/A
Internal ports: 2182, 2888, 3888

Kafka Prod Millsboro

1 node with:
4 cores
16 GB RAM
Storage

----

20 GB OS mount
300 GB data mount

Confluent Kafka Zookeeper

kaf-1kafzoo055.prod.mtb.com

External ports:N/A
Internal ports: 2182, 2888, 3888

Kafka Prod Azure

Azure

Zookeeper traffic

Zookeeper traffic

Payloads are proprietary binary
format containing cluster
metadata, e.g. topic configuration,
partition locations, etc.

PCL

Zookeeper traffic

Kafka traffic

Mills

Kafka Prod Overview

Min isr set to
guarantee spillover;
rf=4, min insync=3

PCL

pcl-r1   pcl-r1   pcl-r1   pcl-o1
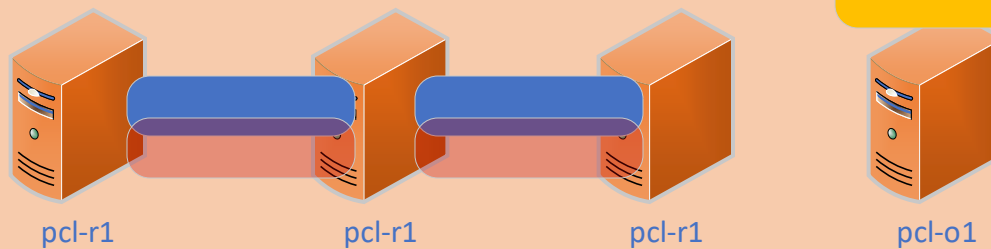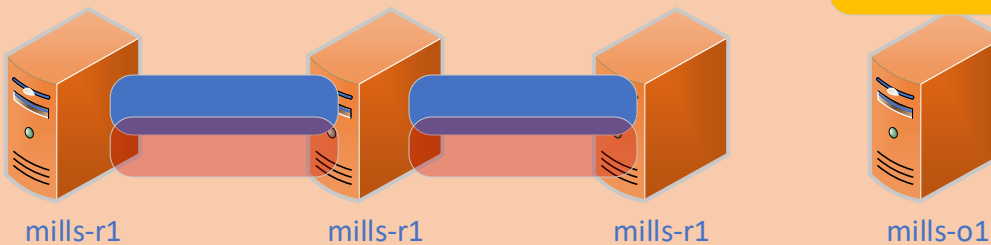
App

App

= sync replica

= async replica

= replica follower

consumer.rack
Allows follower fetching to
reduce cross-DC traffic

Mills

mills-r1   mills-r1   mills-r1   mills-o1

App

App

Kafka Prod Millsboro