

Hardware

On-Premise

The following machine recommendations are for installing individual Confluent Platform components:

Component	Nodes	Storage	Memory	CPU
Control Center	1	300 GB, preferably SSDs	32 GB RAM	8 cores or more
Kafka Broker	3	12 X 1 TB disk. RAID 10 is optional Separate OS disks from Kafka storage	64 GB RAM	Dual 12 core sockets
Kafka Connect	2	Only required for installation	0.5 - 4 GB heap size depending on connectors	Typically not CPU- bound. More cores is better than faster cores.
KSQL	2	Use SSD. Sizing depends on the number of concurrent queries and the aggregation performed.	20 GB RAM	4 cores
Rest Proxy	2	Only required for installation	1 GB overhead plus 64 MB per producer and 16 MB per consumer	16 cores to handle HTTP requests in parallel and background threads for consumers and producers.
Schema Registry	2	Only required for installation	1 GB heap size	Typically not CPU- bound. More cores is better than faster cores.
ZooKeeper	3-5	Transaction log: 512 GB SSD Storage: 2 X 1 TB SATA, RAID 10 Each write to ZooKeeper must be persisted in the transaction log before the client gets an ack. Using SSD reduces the ZooKeeper write latency.	32 GB RAM	2-4 Cores

Cloud

Description	Confluent Cloud Enterprise	Confluent Cloud Professional
Amazon Web Services (AWS) (AWS)	Supported in these regions: us-east-1 us-east-2 us-west-1 us-west-2 ca-central-1 eu-west-1 eu-central-1 ap-southeast-1 ap-southeast-2	Supported in these regions: us-east-1 us-east-2 us-west-1 us-west-2 ca-central-1 eu-west-1 eu-central-1 ap-southeast-1 ap-southeast-2
AWS multi-zone high availability	Supported in these regions: US East 1 US West 2 EMEA Ireland APAC Sydney	Not supported
Google Cloud Compute (GCE)	Supported in these regions: us-central1 europe-west1 europe-west2 More coming soon	Supported in these regions: us-central1 europe-west1 europe-west2 More coming soon

Description	Confluent Cloud Enterprise	Confluent Cloud Professional
GCE multi-zone high availability	Contact Confluent (https://www.confluent.io/cloud-contact)	Contact Confluent (https://www.confluent.io/cloud-contact)
Microsoft Azure	Contact Confluent (https://www.confluent.io/cloud-contact)	Contact Confluent (https://www.confluent.io/cloud-contact)
