**Master node:** Each cluster has a master node, which can be replaced in case of failures

**Master eligible node:** Every node except those, which have “node.master:false”

**Best config:** node.master: true  
 Node.data: false

These should have as much

**Data node:** A node that has node.data set to true (default). Data nodes hold data and perform data related operations such as CRUD, search, and aggregations.

**Client node:** node.master and node.data set to false

**What does it do then?**

It is used to forward cluster-level requests to the master node and data-related requests (such as search) to the appropriate data nodes

**Tribe node:**

Can connect to more than one cluster and perform search & other operations

**Co-ordinating node:**

This node co-ordinates other nodes. Like if while searching data is on two diff nodes than this nodes comes into action.

**Cluster**:

**Nodes:**

**Type:**

type is a logical category/partition of your index

**Document:**

**Shards & Replicas:**

Index can have more data than that can be stored on a single node. We can divide index into multiple shards when creating. Sharding allows us to split data and parallelize operations across shards.

**Replication:**

Once replicated, each index will have primary shards (the original shards that were replicated from) and replica shards

**No. of shards can’t be changed after creation of index, but replicas can be created**

**Primary shard:**

By default, index has 5 primary shards

**Replica shard:**

Default one replica per one primary

**Routing:**

Selecting the primary shard in which it is to be indexed