



Consistency: In the CAP definition, consistency means that all the nodes in a cluster (e.g. all your database servers, leaders and replicas) see the same data at any given point in time. In practice, it means that if you query any of your database servers at the exact same time, you will get the same result back.

Notice that this is completely unrelated to the 'Consistency' from the ACID properties.

Availability: It means that reads and writes will always succeed, even if we cannot guarantee that it will have the most recent data. In practice, it means that we will still be able to use one of our databases, even when it cannot talk to the others, and therefore might not have received the latest updates.

Partition Tolerance: This means that your system will continue working even if there is a network partition. A network partition means that the nodes in your cluster cannot talk to each other.