**REDIS SESSION STATE WITH HAPROXY ON UBUNTU**

**REDIS+SENTİNEL (5.0.5) HAProxy 1.8**

**Structure Summary**

Redis has cluster support infrastructurally. However, just because a system supports the cluster, does not mean that it automatically executes failover. At this point, Redis can provide automatic management of failover with the application it puts forward with version 2.6 which is called Sentinel.

NOTE: The Sentinel version that comes with 2.6 is not recommended. Instead, use version 2.8.

The Redis Cluster structure consists of 1 master and N number of slaves, in its simplest form. All write actions are executed through the master, slaves are read-only structures. They carry the data on the master with the replica method.

Sentinel, on the other hand, is a separate structure responsible for monitoring and reporting applications on the cluster and helps cluster to continue its way healthily in case of a possible error. Another benefit of Sentinel is that it offers the easiest way to upgrade Redis to newer versions.

The HAProxy tool which we will use in this structure is an open source load balancer.