**How to tune spark executor number, cores and executor memory?**

**6 Nodes, and Each node 16 cores, 64 GB RAM**

If we are having cluster with below configurations,

6 Nodes

16 cores each

64GB RAM

* 1. How many executors I should have?
  2. How many cores of each executors?
  3. Memory of each exeutors?

Basics things needs to be in mind:

**Core:**

* + 1. For HDFS throughput we have to pass min 60% to 70% of cores per node
    2. For Yarn daemon need to give 1 or 2 cores per node

**Executor**:

III) 1 executor is required for yarn application master

**Memory:**

IV) Yarn also use some heap memory So we have to remove that memory, default size of yarn heap memory is 384MB it is approx 7% per node

Configuration: 6 Nodes, 16 cores each, 64GB RAM



