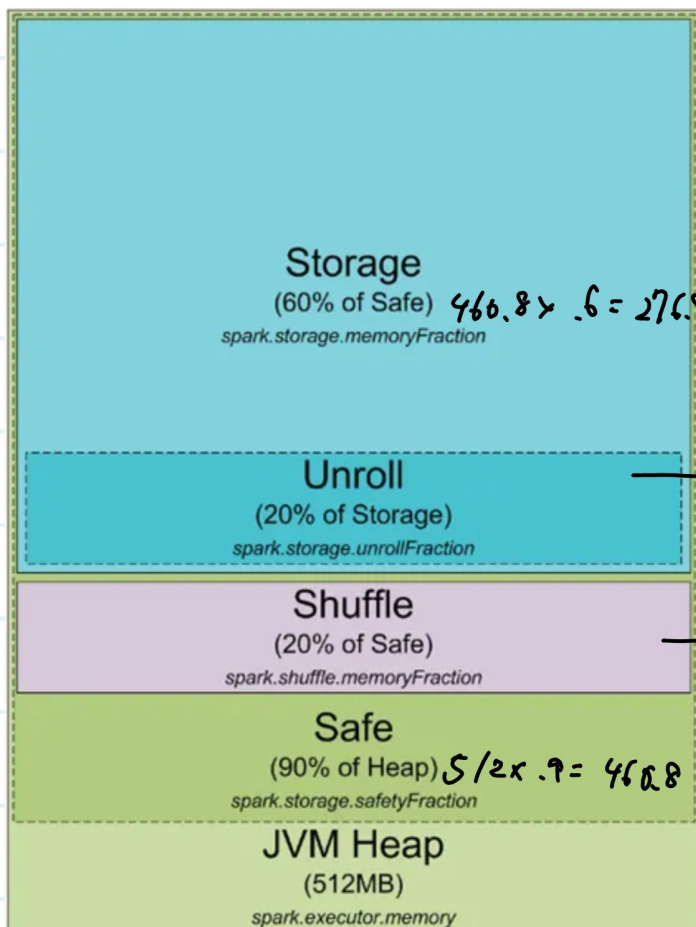
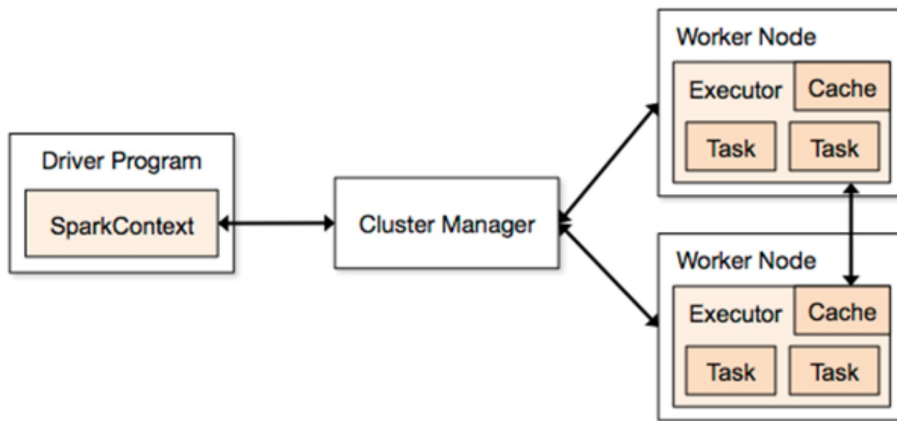


Spark의 메모리 관리.

URL

0x0fff.com/spark-architecture/#more-188:~:text=When%20you%20execute%20something%20on%20a,start%20a%20MapReduce%20...



Spark의 메모리 관리

$$512 \times 3 \times 0.9 \times 0.6 = 829.44MB$$

54%

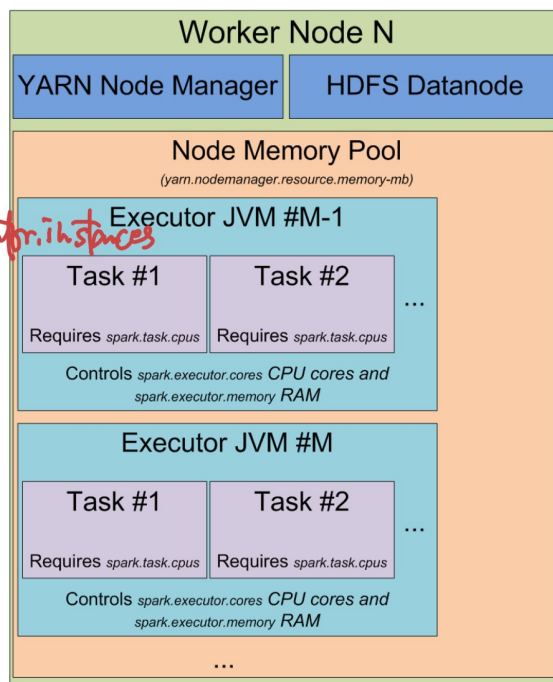
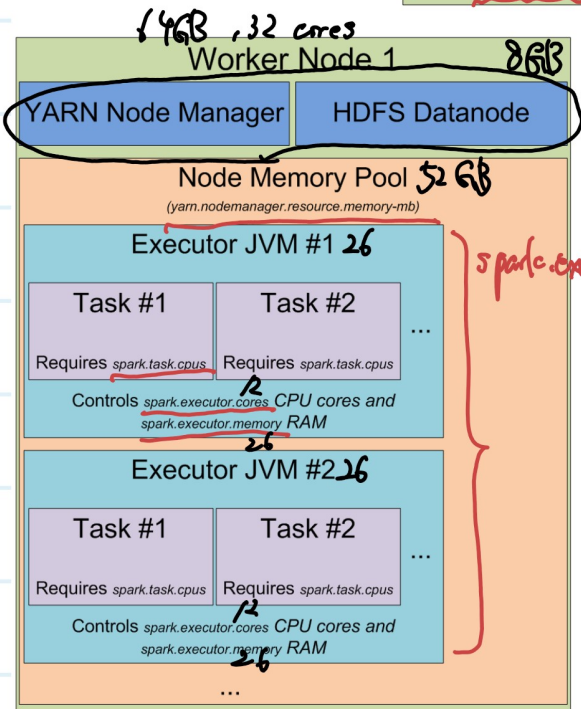
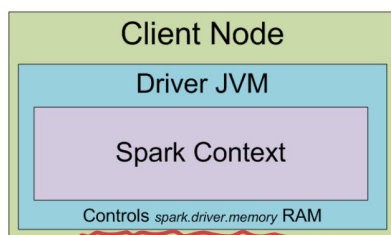
$$512 \times .9 \times .6 \times .2 = 55.296$$

10.8%

$$JVM\ Heap \times Safe \times Shuffle$$

$$512 \times 0.9 \times 0.2 = 92.16$$

18%



64
 $\begin{pmatrix} 26 \\ 26 \end{pmatrix}$
 8? 3276
 790271

1/2 7-1/-f ac3

$\frac{1}{2} \times 2 \times \frac{1}{2} (\text{cpu cores per executor}) / 1 \text{ one for each task} = 288 \text{ task slots.}$
 (one executor)

1/16.7 7-1/-f 7832 (spark.storage.memoryfraction) 12

$\frac{1}{16} (\text{JVM Heap}) \times 0.9 \times 0.6 \times 12 (7-1/-f) \times 2(2^{10} \times 7) \times 26 \text{GB} =$
 (state) (storage)

