





MapReduce



YARN Yet Another Resource Negotiator



HDFS Hadoop Distributed File System



Hardware Básico



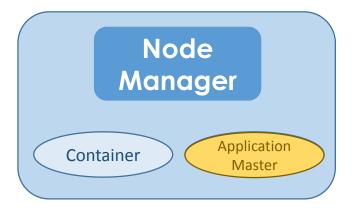


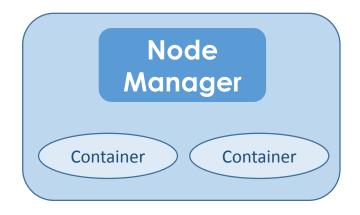
 YARN es un gestor de recursos y aplicaciones que pretende extender el procesamiento en los clusters Hadoop más allá del modelo MapReduce.

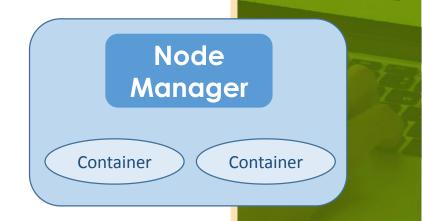
- Yarn incluye dos aspectos fundamentales:
 - ➤ Gestión de recursos.
 - ➤ Planificación y monitorización de tareas.





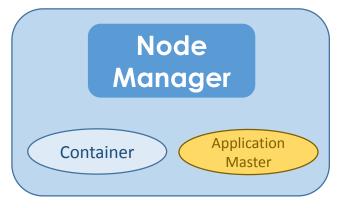






BIG DATA

- Scheduler (Planificador)
 Resource
 Puedemintagerucirse schedulers como Plug-ins
- ApplicationManager (Gestor de aplicaciones)

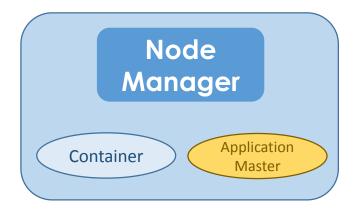


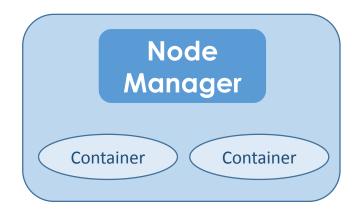
Acepta envíos de tareas y gestiona la de ejecución nager Container Container Container

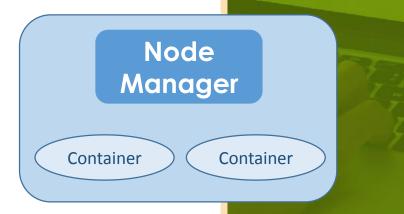




- Un agente por nodo. Resource
- Gestiona una manader de cómputo individual.
- Manda información actualizada al ResourceManager sobre el estado del nodo.

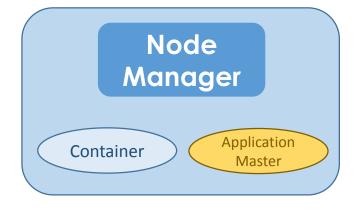


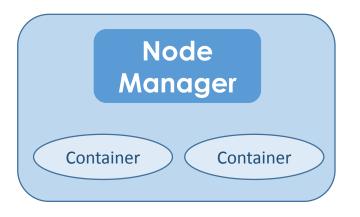


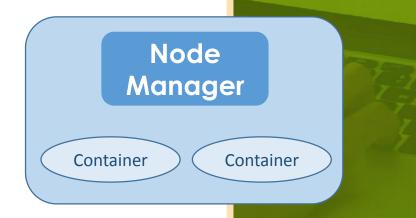




- Pide recursos para ejecutar la aplicación.
- Controla la la la aplicación.







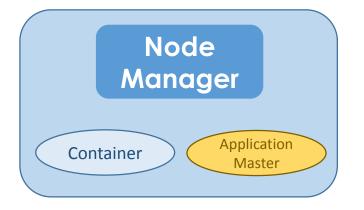


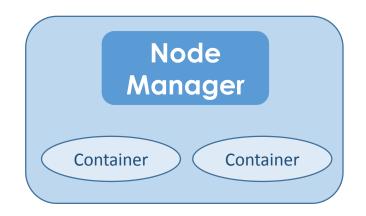
- Especificación de recursos:

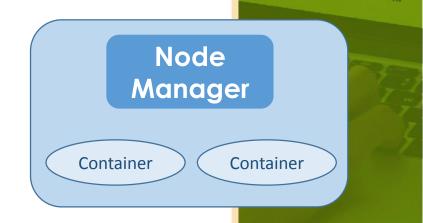
 Resource

 Número Marnúgleos (cores)

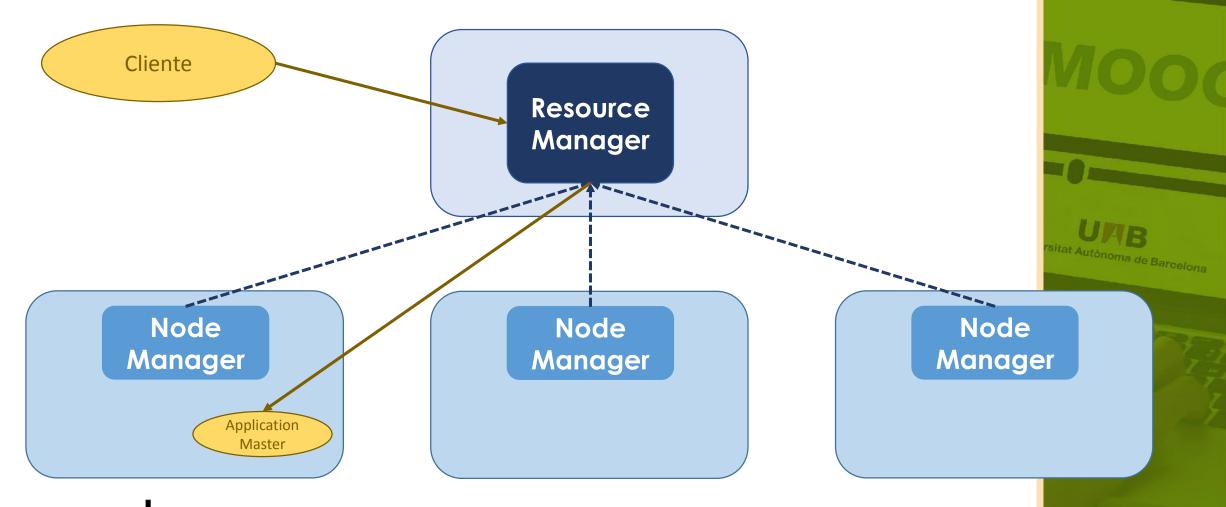
 - > Cantidad de memoria



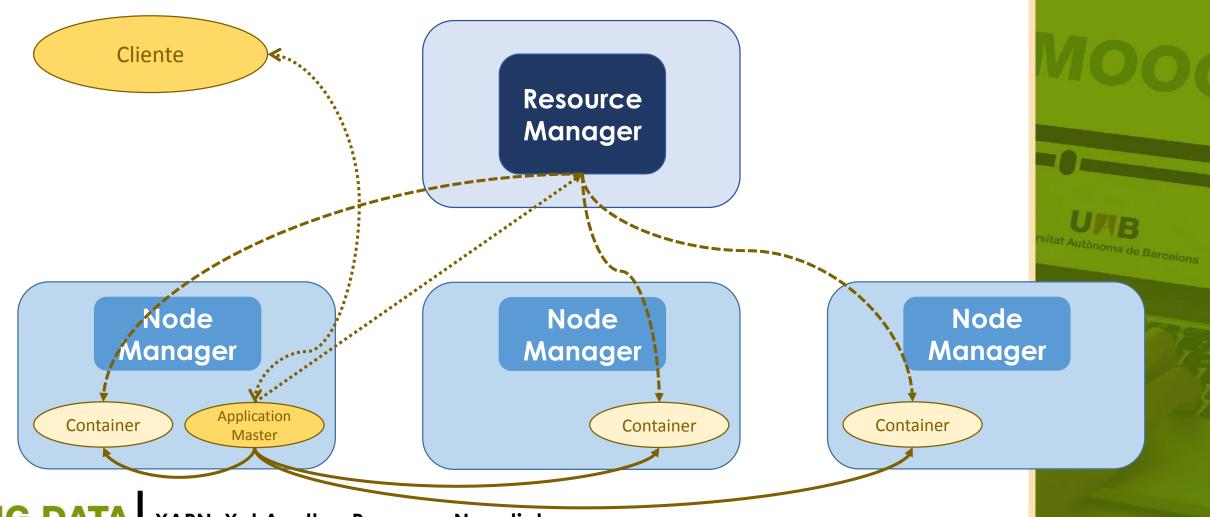




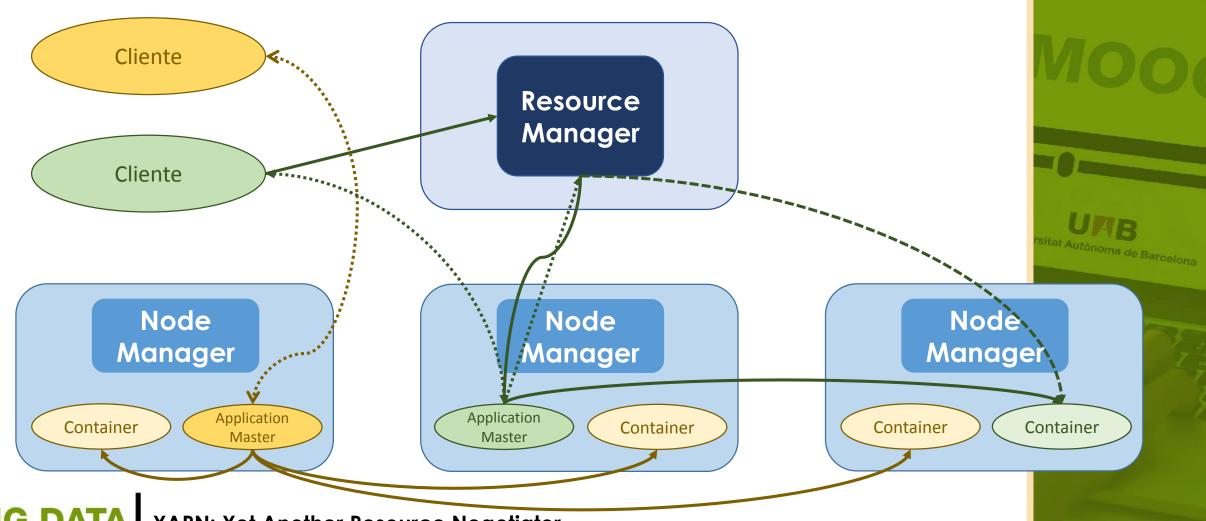




BIG DATA



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