YARN Architecture

Tuesday, January 10, 2023 7:10 AM

- Architecture

- · Use Case (Moderadam
 - Cluster resource management / schally system
 - Framework for job submission layerby lander & service De mon
 - Multi Lennag
 - Utilization & Efficient Allocation of Compute (Time/Task)
 Minimize 200 Cost & Transit who not needed (Overhead)

 - Seurly Maintenance et ...

· Resource Management - CPU /GPU (Garters Fors)

- Menory
- Dish & (Exdusins)

* Consdrands

- Node Localidy
- Rock Locating Tags (Generic)

(5) Time Constraints: End Time, Ron Time, Stant Time (Farress)

· Components

- Cluster: 122 rodo, LAN MAN

 - · Master Nosles Control/Clast Connectividy

 - · Works doles Tasks (vomen, veres)

- Manager Instances Resource Manager per Closter
 - dorle Manger per Node
- Condahers

 - Regresold Resource Regresonts
 Allocadon: Ford mortes /hosts to "hold" a condacher!

- Applreadom

- · Cloud: Drwr (Haw to rm)
- · Application Master: Allows for resource usage on YARN nodes
- · Tas 45: Map, Relva

