Yet Another Resource Negotiator
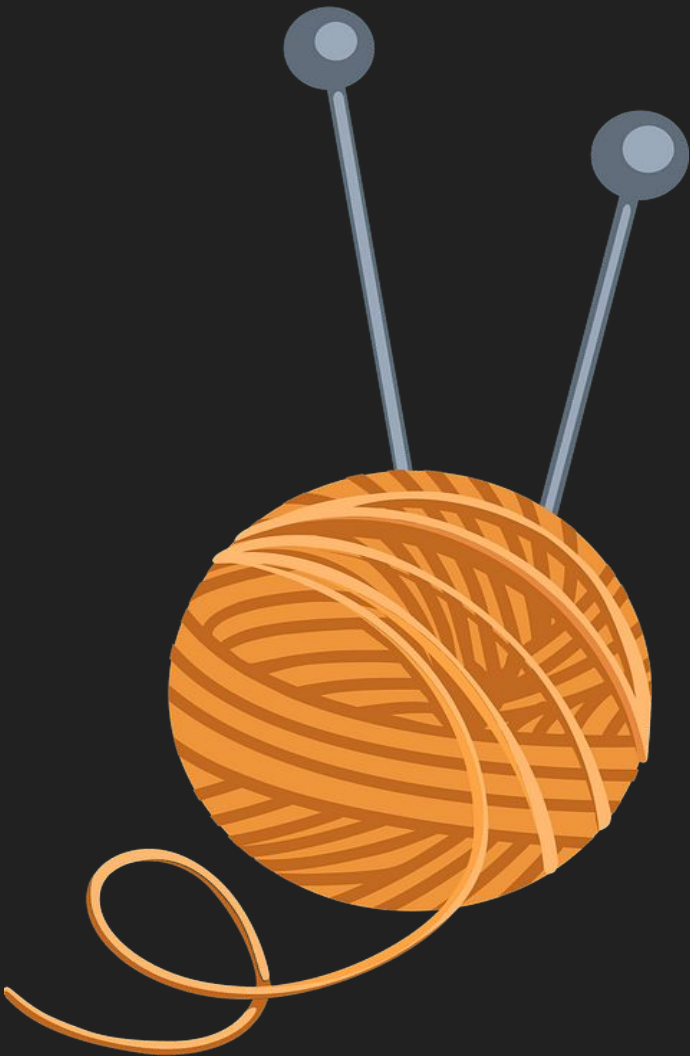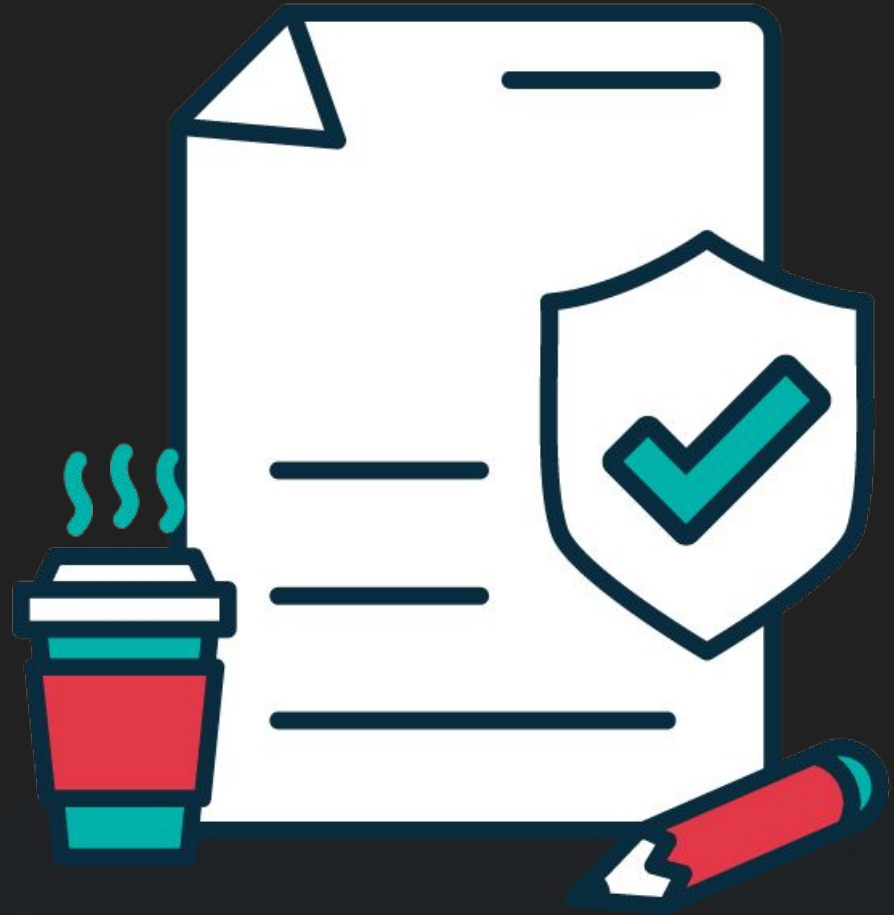
Negotiator

ARN

EDUAR MANCERA

CONTENT

- Why?
- What?
- How?
- Reasons to use Hadoop YARN.
- References.
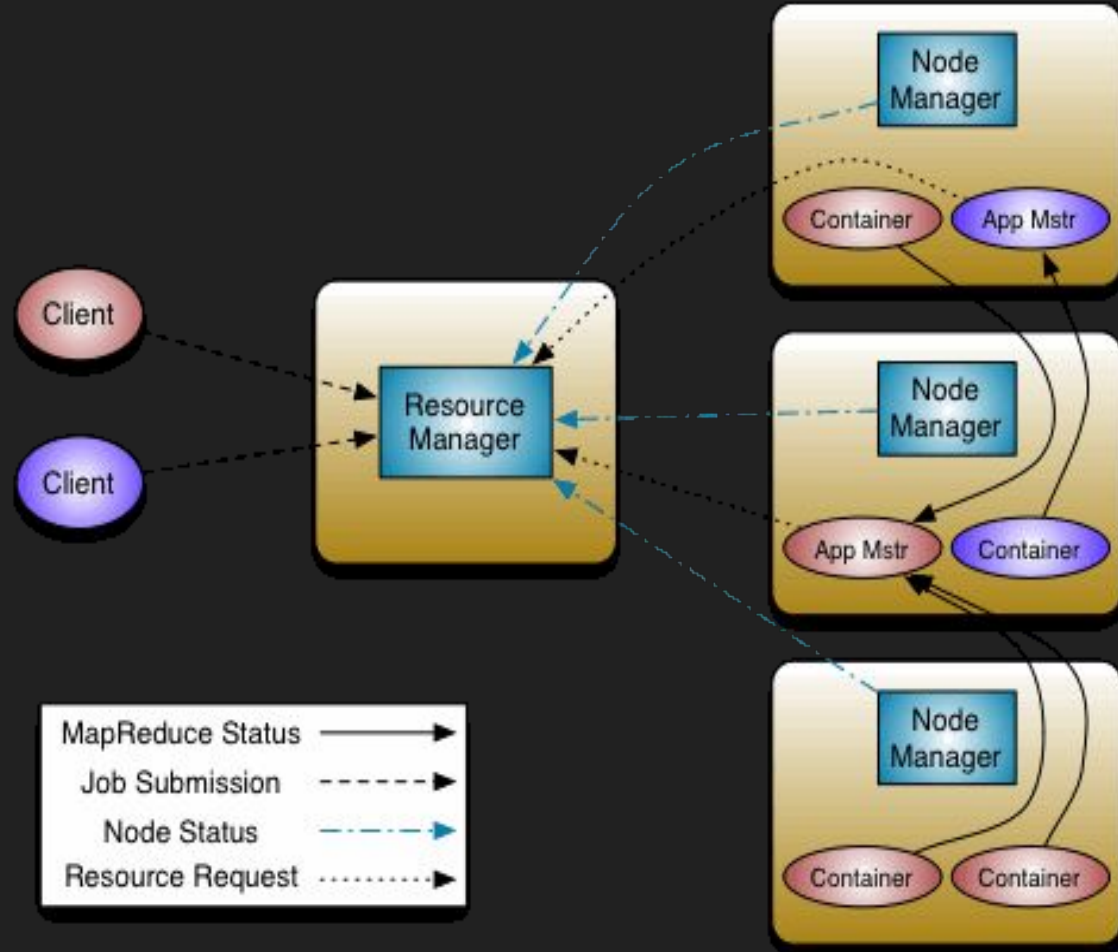
Why?

- Single master for all…
- Bottlenecking.
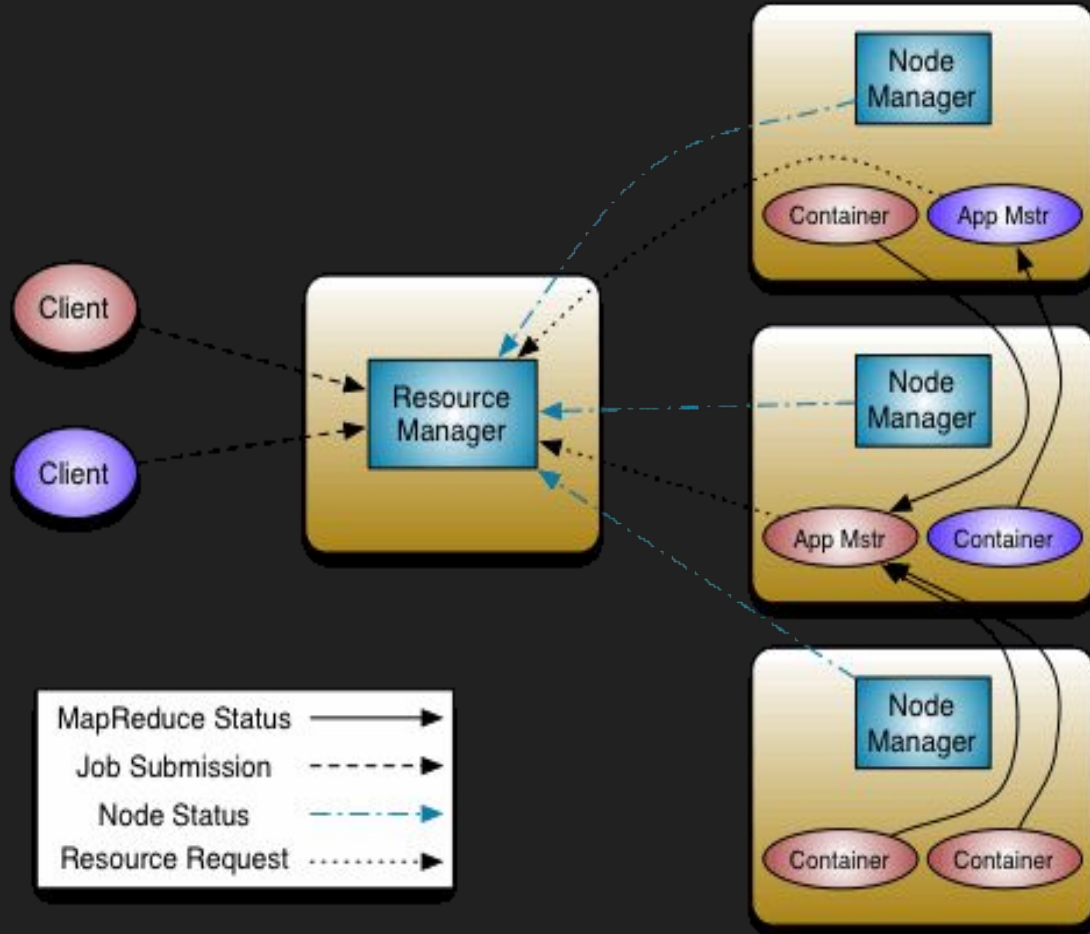- Inefficient computer resources utilization.
- Scalability problems.

What?

- Hadoop 2.0.
- RM <-||-> JS/M.
- Resource Manager.
  - Application Master.
  - Scheduler.
- Node manager.
- Containers.

How?

1. Client.
2. Application manager started.
3. Resource manager register.
4. Application manager negotiation.
5. Node manager launches Container.
6. Execution in container.
7. Monitoring.
8. Registration of process complete.

Reasons to use Hadoop YARN

- Multi-tenancy.
- Cluster utilization.
- Scalability.
- Any kind of data is welcomed.
- Data lake (raw data).
- Multiple analysis engines.

REFERENCES

- [Apache Hadoop YARN website](#)
- [Hadoop YARN and its components](#)
- [Hadoop YARN tutorial.](#)

THANK YOU! :)