Problem:

Yarn enhances the compute cluster in the following ways:

* Multi-Tenancy:
* Cluster Utilization:
* Scalability:
* Compatibility:

YARN is the architectural center of Hadoop that allows multiple data processing engines such as interactive SQL, real-time streaming, data science and batch processing to handle data stored in a single platform, unlocking an entirely new approach to analytics.

YARN is the foundation of the new generation of Hadoop and is enabling organizations everywhere to realize a modern data architecture.

YARN is the prerequisite for Enterprise Hadoop, providing resource management and a central platform to deliver consistent operations, security, and data governance tools across Hadoop clusters.

YARN also extends the power of Hadoop to incumbent and new technologies found within the data center so that they can take advantage of cost effective, linear-scale storage and processing. It provides ISVs and developers a consistent framework for writing data access applications that run IN Hadoop.