RZOLUT

Data Pipeline

The process of extracting data from many disparate source systems, transforming, combining and validating that data, and loading it into the target repository. A data pipeline provides enterprises access to reliable and well-structured datasets for analytics. Deploying the data pipeline will help companies build and manage workloads in the cloud efficiently.
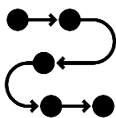

Elements

- ◆ Source
- ◆ Destination
- ◆ Data Flow
- ◆ Processing
- ◆ Workflow
- ◆ Monitoring

Benefits

- ◆ Replicable Patterns
- ◆ Faster Timeline For Integrating New Data Sources
- ◆ Confidence In Data Quality
- ◆ Confidence In The Security Of The Pipeline
- ◆ Incremental Build
- ◆ Flexibility & Agility
- ◆ Quick Data Analysis For Business Insights
- ◆ Allows Data Consistency
- ◆ Increases Efficiency

Trends

- ◆ By 2025, 88% to 97% of the world's data will not be stored, that underlies the growing need for scalable data pipelines
- ◆ According to the IDC CXO Survey done in Q1 2020, organizations need to invest in technology solutions to address each step of the data-to-in sights pipeline
- ◆ 57% of organizations with the best data-analytics pipelines also get the highest decision -making score