Template: Create an EDA Blueprint

Use this template to enter your solution. You may modify the template to include more information.

Solution

Task 1: Understand business requirements: Identify the specific data requirements for optimizing supply chain operations

Step 1: Compile a list of all critical data sources. *Refer to the instructions for task 1 in the lab instructions.*

Key data resources

Step 2: Define practical applications for the data. *Refer to the instructions for task 1 in the lab instructions.*

Critical use cases

Step 3: Outline the data compliance standards and regulations that must be followed. *Refer to the instructions for task 1 in the lab instructions.*

Data compliance requirements	Tasks

Task 2: Identify and define the core components of data architecture

Step 1: Data sources: Identify and categorize internal and external data sources. *Refer to the instructions for task 2 in the lab instructions.*

Data source type	Examples

Step 2: Data ingestion: Establish the data ingestion methods. *Refer to the instructions for task 2 in the lab instructions.*

Ingestion method	Description	Examples	Tools

Step 3: Data storage: Define the data storage types. *Refer to the instructions for task 2 in the lab instructions.*

Storage type	Purpose	Examples

Step 4: Data processing: Define the data processing methods. *Refer to the instructions for task 2 in the lab instructions.*

Processing method	Description	Examples

Step 5: Analytics: Identify and report the business intelligence capabilities. *Refer to the instructions for task 2 in the lab instructions.*

Analytics type	Description	Examples/Use cases	Tools

Step 6: Data governance: Define the governance tasks. *Refer to the instructions for task 2 in the lab instructions.*

Governance task	Description	Examples/Tools