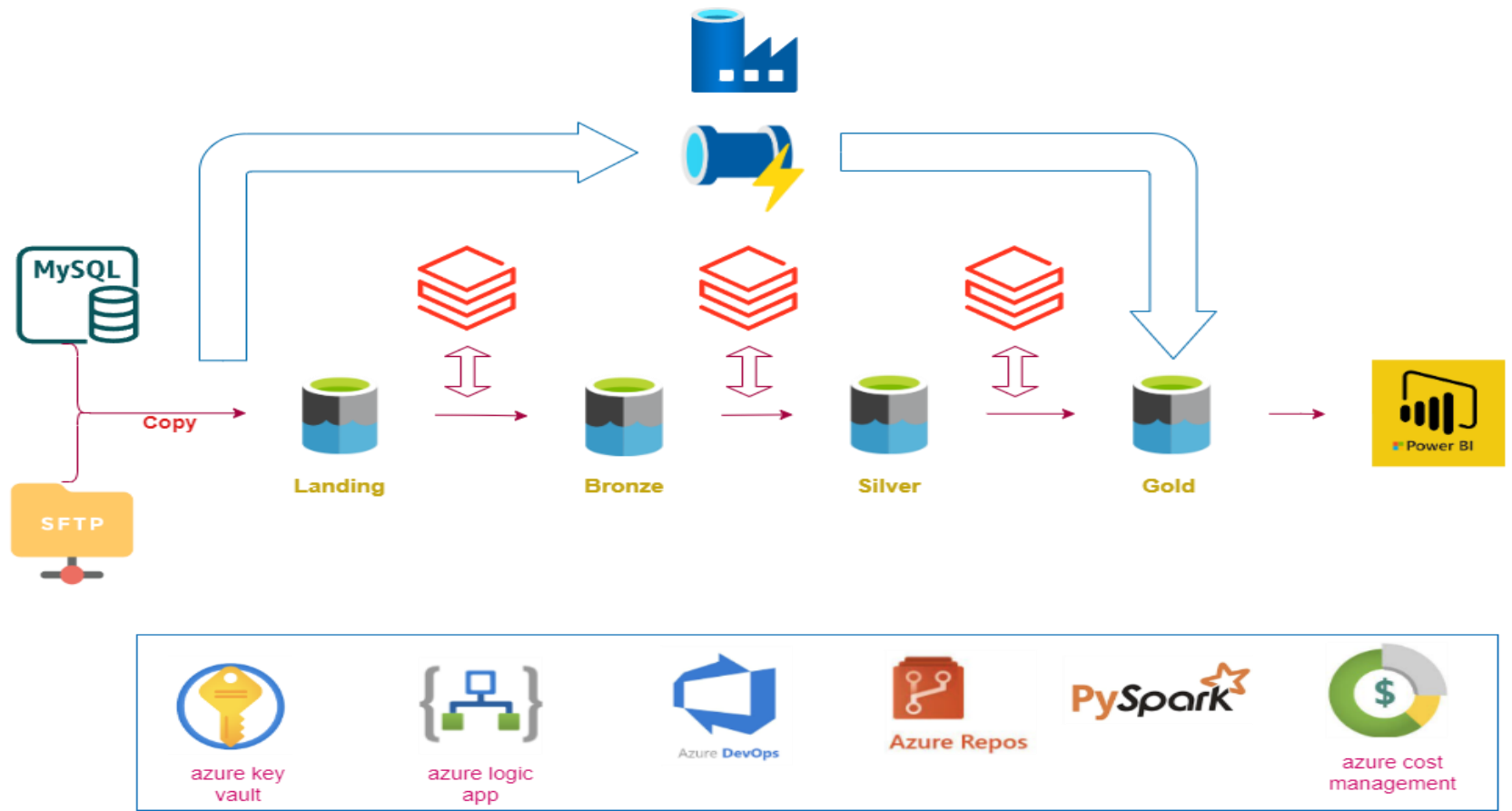
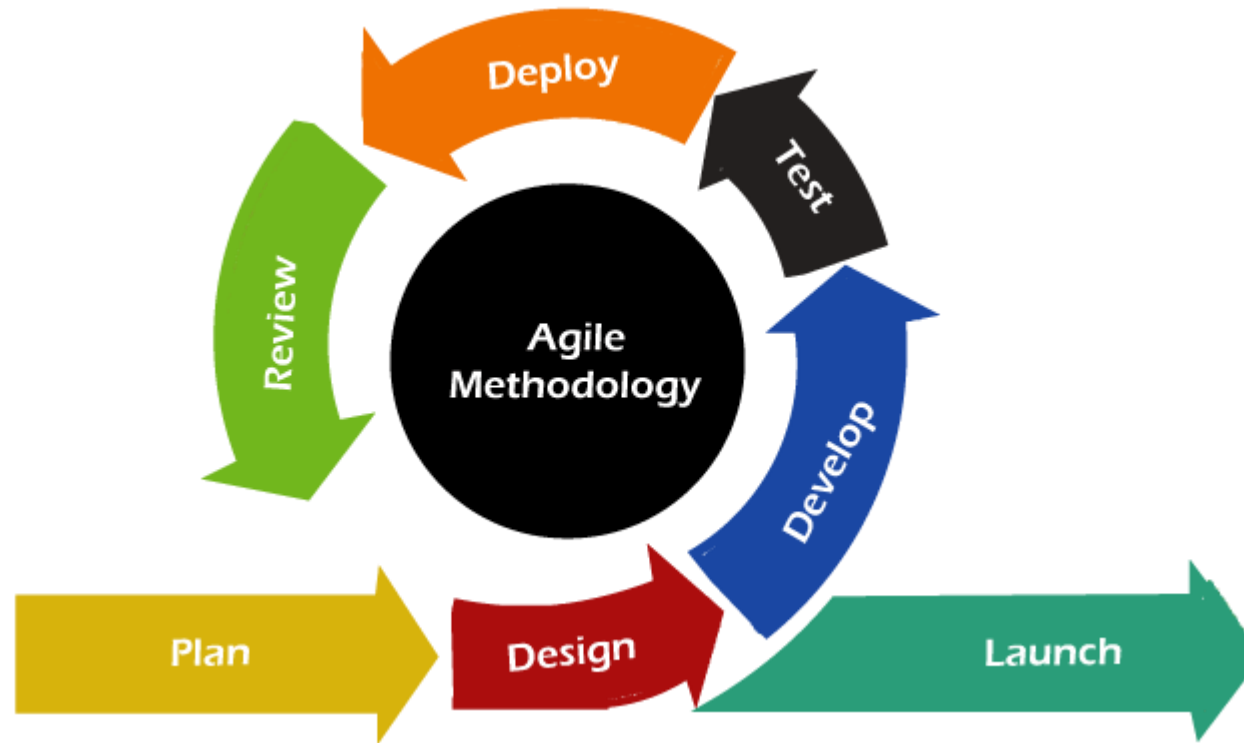


AZURE PROJECT ARCHITECTURE



FOLLOW THE AGILE METHODOLOGY



SPRINT WISE DEVELOPMENTS

The screenshot displays the Azure DevOps interface for a project named 'project-nov-01'. The left sidebar shows the navigation menu with 'Work items' selected. The main area displays a list of work items under the 'Recently updated' filter. The work items are as follows:

ID	Title	Assigned To	State	Area Path
1	Resource creation for Dev (Infra Setup)	Unassigned	Active	project-nov-01
2	Establishing the connectivity (Infra Setup)	Unassigned	New	project-nov-01
3	Ingestion (All input tables should be present in SQL server)	Unassigned	New	project-nov-01
4	Data Enrichment activities and data transformations by using databricks	Unassigned	New	project-nov-01
5	Developing a business logics by using multiple input datasets, logging, email alerts	Unassigned	New	project-nov-01
6	Unit Testing / Testing	Unassigned	New	project-nov-01
7	Resource creation for test, uat, prod	Unassigned	New	project-nov-01
8	Prod deployment / Q&A	Unassigned	New	project-nov-01

PREREQUISITES FOR PROJECT EXECUTION

- Azure account with valid subscription (Free trial/Pay as you go)
- Azure fundamentals (ADF,ADLS,ADB)
- Python, SQL, Spark Basics

WHAT WE COVER AS PART OF THIS PROJECT

- How to setup a required infra for azure project development.
- Establishing the connections between on prem to cloud.
- How to create main, dev, collaboration, feature branches etc. in azure for version control.
- Updating the development progress in ADO board under assigned user stories for each sprint.
- Creating azure pipelines, triggers.
- How to create a pull request and get an approval for the same.
- Creating PySpark and Spark SQL Code in Databricks Notebooks and Executing it Through an Azure Data Factory Pipeline.
- Parameterization for passing the dynamic run time values from input metadata tables.
- Logging, email alerting, checking the error logs etc.
- How a project will be deployed in real time.
- How to work on a real time project in a sprint wise manner.
- FMCG domain functional knowledge.