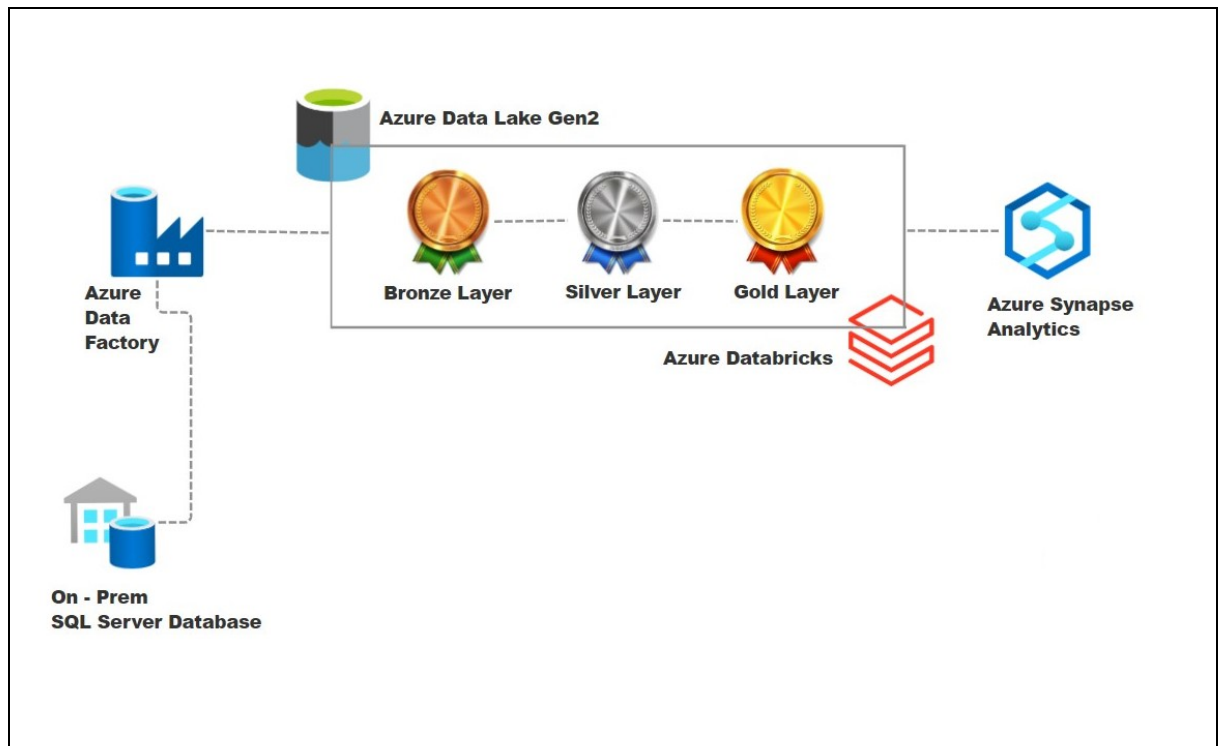


Data Loading



1) Azure Synapse Analytics Pipeline

This screenshot shows the Microsoft Azure portal interface for the 'shelke-akshay-synw-001' Synapse workspace. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings, Microsoft Entra ID, Properties, Locks, Analytics pools, SQL pools, Apache Spark pools, Data Explorer pools (preview), Security, Encryption, and Networking. The main content area displays the workspace's 'Essentials' with various configuration details:

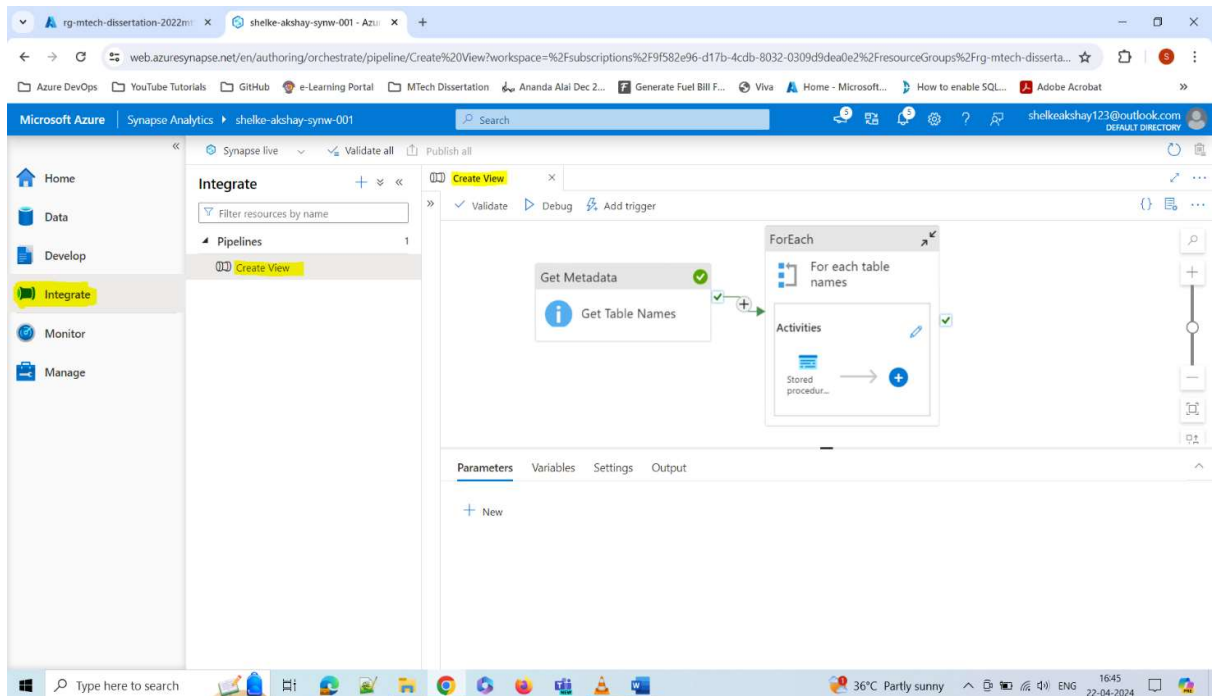
- Resource group:** rg-mtech-dissertation-2022mt93331
- Status:** Succeeded
- Location:** East US
- Subscription:** Pay-As-You-Go
- Subscription ID:** 9f582e96-d17b-4cdb-8032-0309d9dea0e2
- Managed virtual network:** No
- Managed Identity object:** d430f195-d9a5-4a1e-8557-c968029b65db
- Workspace web URL:** https://web.azuresynapse.net/workspace=%2fsubscriptions%2f9f582e96-d17b-4cdb-8032-0309d9dea0e2%2fresourceGroups%2fmgmt-dissertation-2022mt93331%2fproviders%2fMicrosoft.Synapse%2fshelke-akshay-synw-001
- Tags:** Add tags
- Networking:** Show firewall settings
- Primary ADLS Gen2 account:** https://storageaccountdemo.dfs.core.windows.net
- Primary ADLS Gen2 file system:** gold
- SQL admin username:** sqladminuser
- SQL Microsoft Entra admin:** live.com@shelkeakshay123@outlook.com
- Dedicated SQL endpoint:** shelke-akshay-synw-001.sql.azuresynapse.net
- Serverless SQL endpoint:** shelke-akshay-synw-001-ondemand.sql.azuresynapse.net
- Development endpoint:** https://shelke-akshay-synw-001.dev.azuresynapse.net

Below the essentials, there are two cards: 'Open Synapse Studio' (Start building your fully-integrated analytics solution and unlock new insights. Open in new tab) and 'Read documentation' (Learn how to be productive quickly. Explore concepts, tutorials, and samples. Learn more in new tab).

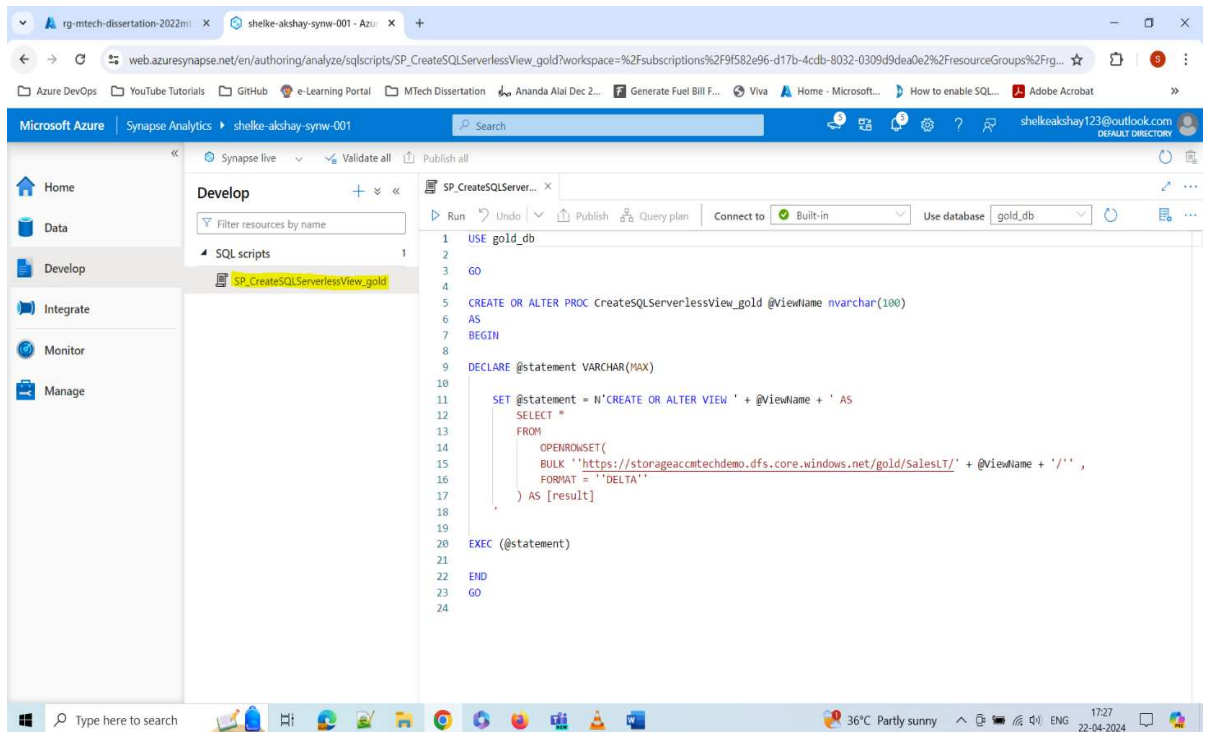
This screenshot shows the Synapse Analytics workspace 'shelke-akshay-synw-001' dashboard. The left sidebar has navigation tabs: Home, Data, Develop, Integrate, Monitor, and Manage. The main content area features a 'Synapse Analytics workspace' header with the workspace name 'shelke-akshay-synw-001' and a 'Now' dropdown menu. Below this, there are three action cards:

- Ingest:** Perform a one-time or scheduled data load.
- Explore and analyze:** Learn how to get insights from your data.
- Visualize:** Build interactive reports with Power BI capabilities.

Further down, there are sections for 'Discover more' (Knowledge center, Browse partners) and 'Recent resources' (Last opened by you).



- Get The table names of GOLD Database from Azure Data Lake Gen2
- For Each table names, run Stored Procedure
- Stored procedure creates view of all tables.



2) Data Loading Completed

The screenshot displays the Microsoft Azure Synapse Analytics interface. The left sidebar contains navigation options: Home, Data, Develop, Integrate, Monitor, and Manage. The main workspace is titled "SQL script 1" and shows a query executed successfully. The query is a SELECT statement with a TOP clause, selecting various columns from the 'Product' table in the 'gold_db' database. The results are displayed in a table view, showing columns like Product_ID, Product_Cat..., Product_Mode..., Standard_Cost, List_Price, Weight, Thumb_Nail_P..., Name, and Produc... The interface also includes a Properties panel on the right, showing details about the query and its results.

```
1 SELECT TOP (100) [Product_ID]
2 , [Product_Category_ID]
3 , [Product_Model_ID]
4 , [Standard_Cost]
5 , [List_Price]
6 , [Weight]
7 , [Thumb_Nail_Photo]
8 , [Name]
9 , [Product_Number]
10 , [Color]
11 , [Discontinued_Date]
12 , [Thumbail_Photo_File_Name]
13 , [rowguid]
14 , [Modified_Date]
15 , [Size]
16 , [sell_start_date]
17 , [sell_end_date]
18 FROM [dbo].[Product]
```

Product_ID	Product_Cat...	Product_Mode...	Standard_Cost	List_Price	Weight	Thumb_Nail_P...	Name	Produc...
680	18	6	1059.3100	1431.5000	1016.04	0x47494638396...	HL Road Frame...	FR-R92
706	18	6	1059.3100	1431.5000	1016.04	0x47494638396...	HL Road Frame...	FR-R92
707	35	33	13.0863	34.9900	(NULL)	0x47494638396...	Sport-100 Hel...	HL-USC
708	35	33	13.0863	34.9900	(NULL)	0x47494638396...	Sport-100 Hel...	HL-USC

00:00:13 Query executed successfully.