DP-500 Day 1 20-06-2023 Tuesday

4 days of Associate Level DP-500 course – 32 hours

9:05 CDT [5 minutes + from scheduled time]

10:30 AM CDT [15 minutes break]

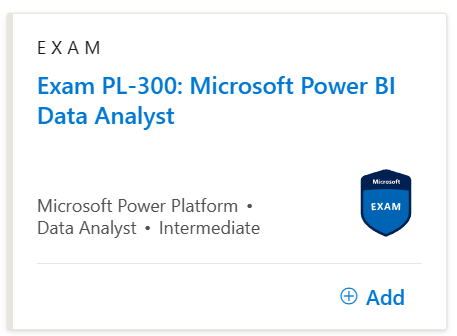
12:45 PM CDT [45 min – 1 hr Lunch]

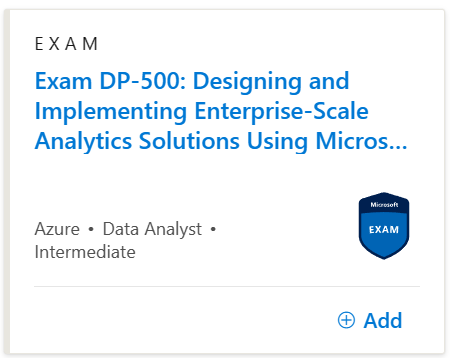
3:45 PM CDT [15 min break]

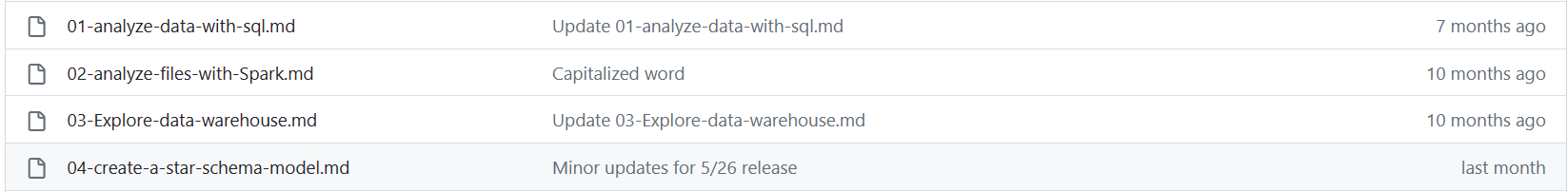
Breaks cumulative time = 1 hour :30 minutes

Productive time = 8 hours – 1 hour:30 minutes = 6 Hr 30 Min

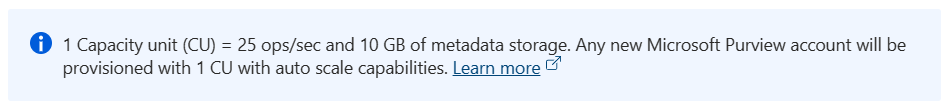
26 hrs = productive time – 4 days



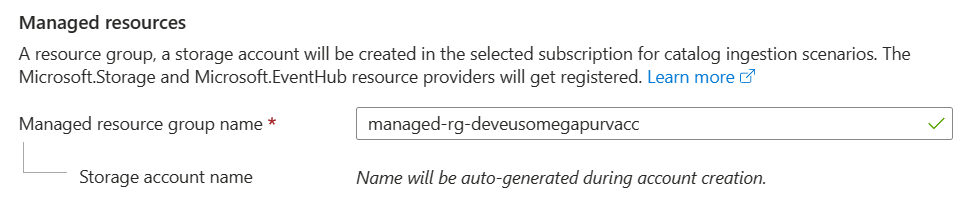




Deveusomega

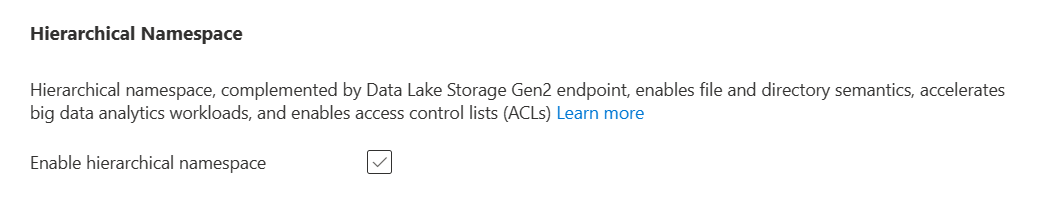


 -> adaptive auto scaling



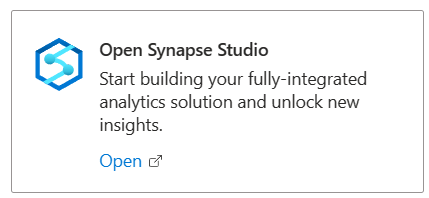
Event hub is for real time ingestion of the metadata scrapped by the scanner.

Metadata will also be captured in the storage account for long term archival.

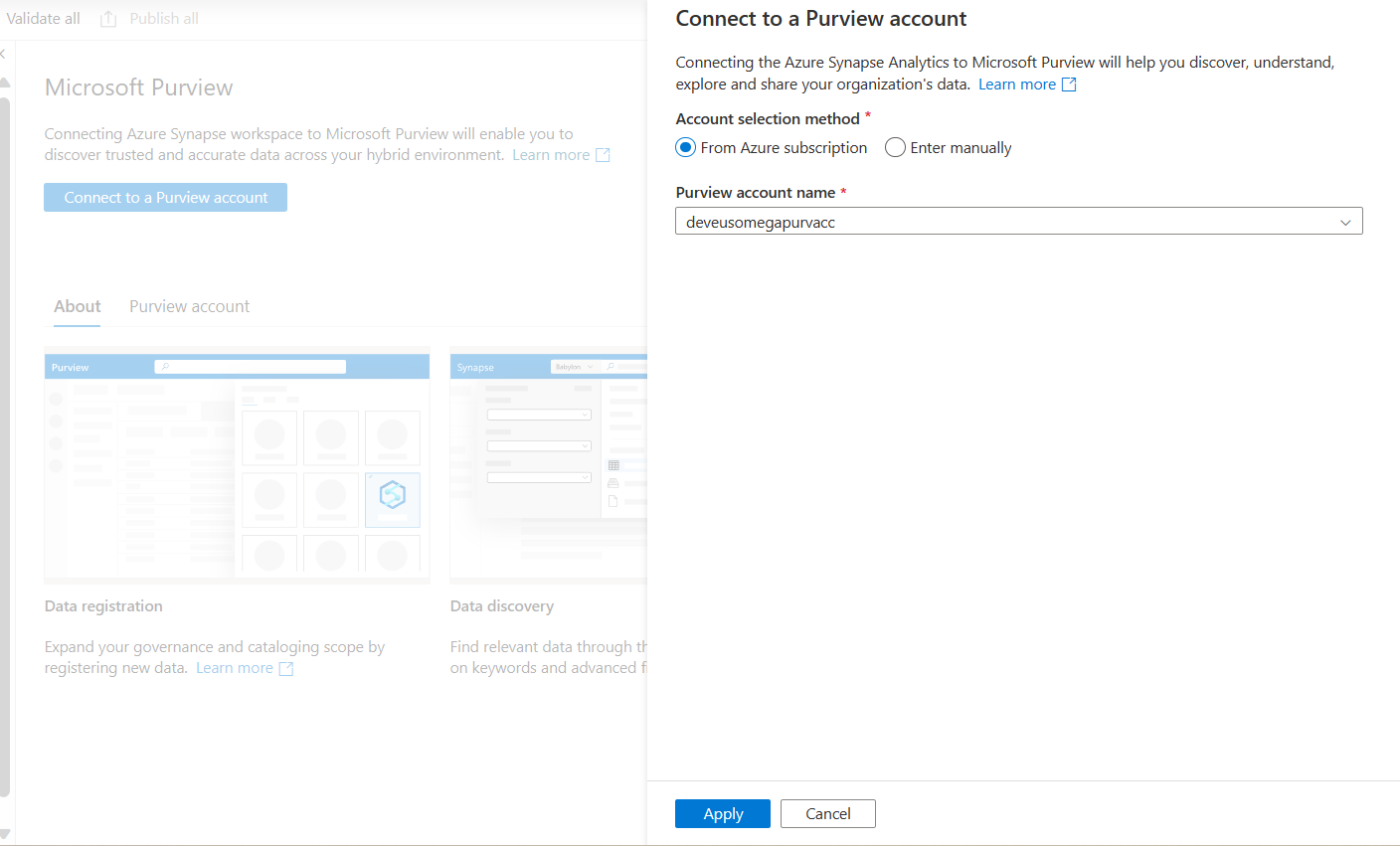


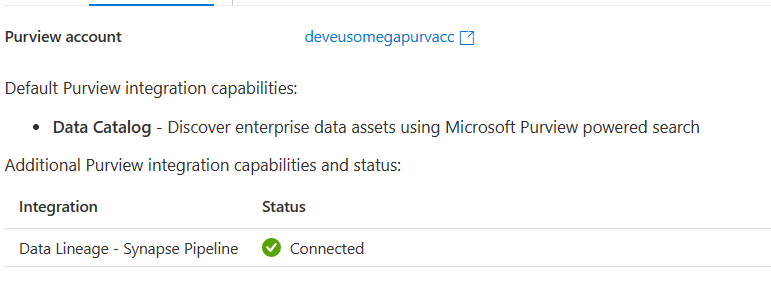
Hierarchical namespace :- Distributed file system

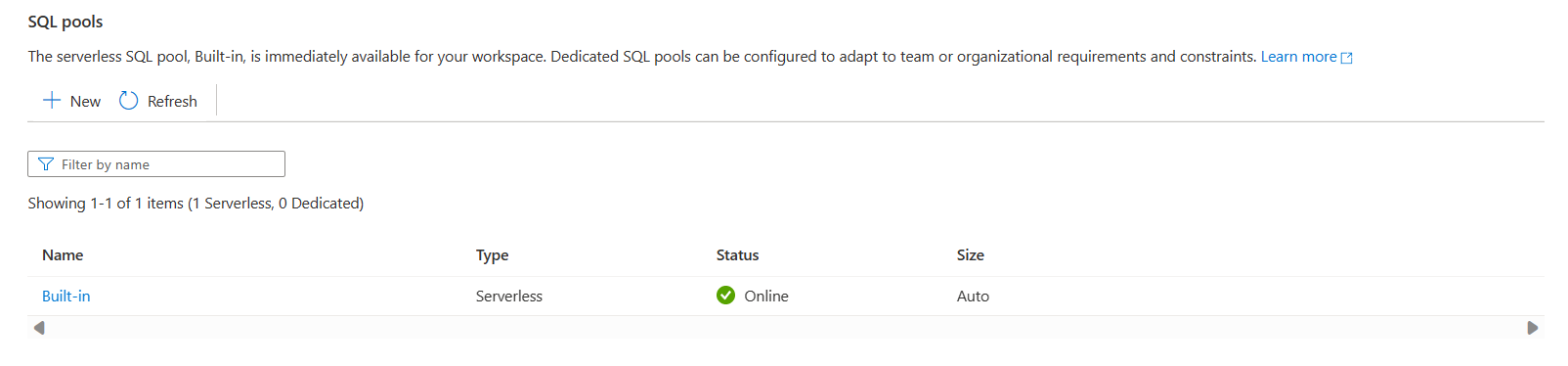


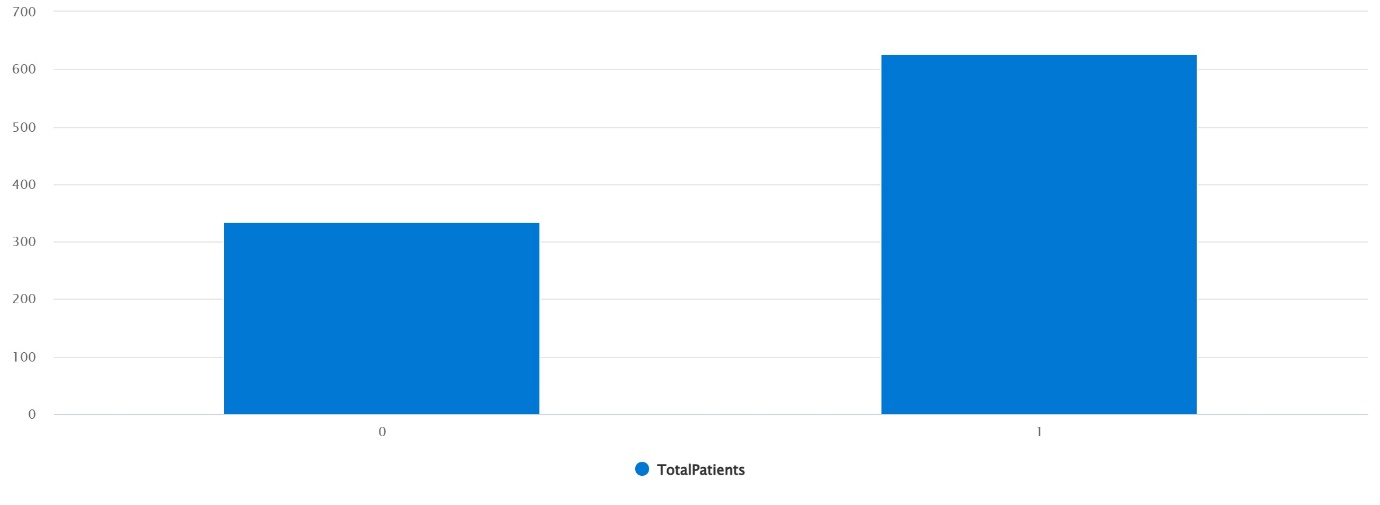


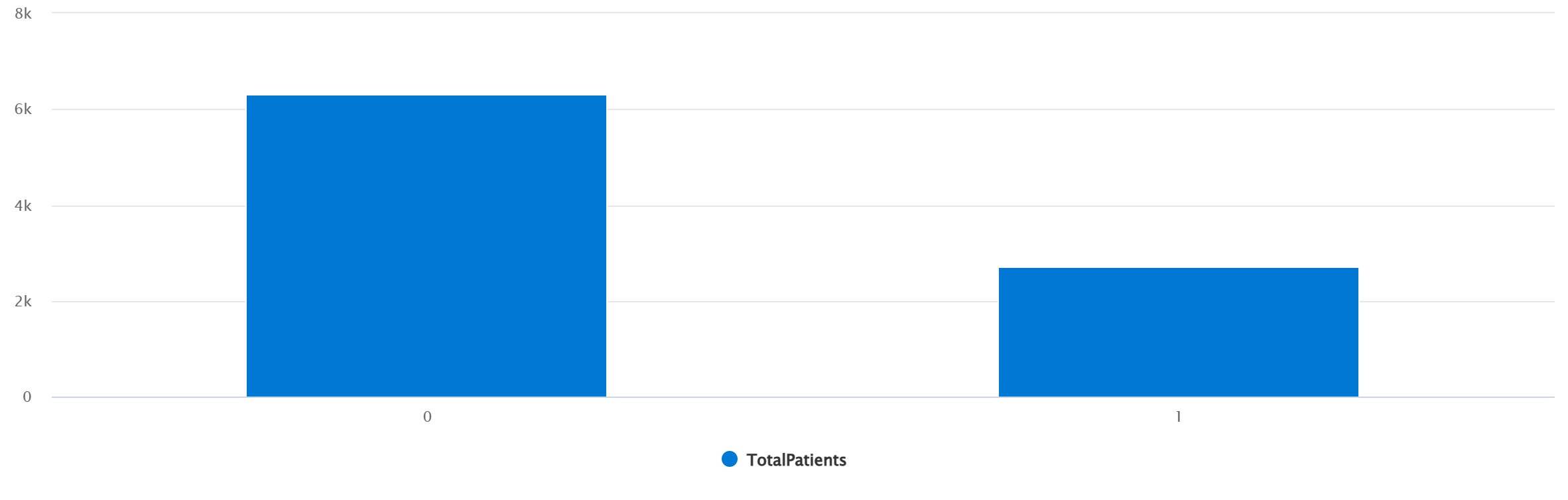


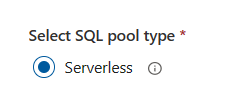


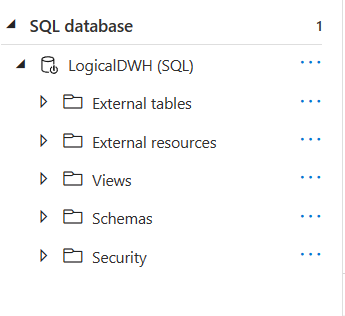








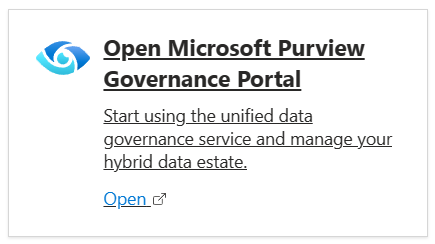






Lake strategy

“Without digging a lake, you cannot do any decision making”



Root collection -🡪 Sub-collection 🡪 Sources {scanner (discover, register, classify asset map)} -🡪 Assets {auto discovered}

Map 🡪 enriched🡪Data Curator {business glossary}

Catalog search -🡪 Search on business glossary terms.

1. Synapse Analytics
2. Power BI workspaces

Synapse Pipelines {Copy, Mapping data flow transformation, remote Dispatch execution, Wrangling Power Query flow}

Power BI Service {Data flows – new entities, linked entities, computed entities, and cascaded flow}

**Lineage** 🡪 what was Consumed? And what was produced? And who did it?

OLTP System {Azure SQL DB, Oracle instance etc.}

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ResellerID | ResellerName | State | City | Zip |
| RS101 | I Invent | Nevada | Las Vegas | 875887 |
| RS102 | Kumo | CAL | SF | 232342 |

DimReseller

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ResellerID | ResellerAlternateID | ResellerName | State | City | SD | ED |
| 101 | RS101 | I Invent | CAL | SF | 12-12-2020 | 22-06-2023 |
| 103 | RS101 | I Invent | Nevada | Las Vegas | 22-06-2023 | NULL |
| 102 | RS102 | Kumo | CAL | SF | 31-Jan-2019 | NULL |

Type -2 New row with start and end date

Type – I Overwriting is not good. It will not main history.

Conclusion - Fact table will grow proportionally faster than dimension table.

Composite model 🡪 Two or more source groups in the Power BI model. One import group and 1. \* Direct Query



Username: ed16f191-9d48-41a7-a10e-1fe354ab55af azurearchitect8

Tenant: 61cfbac0-31b5-4fa9-9f52-4b718e70bd9e gmail.com

Password: VJa8Q~U6pBRY2vw2xu~QwE4qTdANZUTgNix7jbS4

dp500jun2124netcom