**Assignment – 2**

1. Azure Synapse

1. Website?
   1. https://azure.microsoft.com/en-us/products/synapse-analytics/
2. What does it do?
   1. Limitless analytics service for bringing together data integration, enterprise data and warehousing also used for big data analytics. Explore, prepare, transform and manage and serve data for immediate BI and machine learning needs.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. Both
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

IM&T/ETL  
 ODS/NDS/DDS

2. Birst

1. Website?
   1. https://www.infor.com/solutions/advanced-analytics/business-intelligence/birst
2. What does it do?
   1. Network analysis and business intelligence platform that allows business to analyze and visualize data. Services provided: Business intelligence, warehouse automation, analytics and ad-hoc reporting, finance and wealth management.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering and Service offering.
4. Is it installed onsite, or is it in the cloud?
   1. Cloud service
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

DSS application

3. Dbt Labs

1. Website?
   1. https://www.getdbt.com/
2. What does it do?
   1. Helps to work directly within the data warehouse to produce data sets for reporting, ML modeling and operational workflows.
   2. Helps to transform raw data to develop, test and document and deploy.
   3. Has BI Tools, ML models and operational analytics
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. Onesite
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

IM&T/ETL  
 External world application

4. Fivetran

1. Website?
   1. https://www.fivetran.com/
2. What does it do?
   1. Centralize data, to deliver better and faster insights.
   2. Provides ETL capabilities, SaaS replication, database replication, security and transformations.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product and Service offering.
4. Is it installed onsite, or is it in the cloud?
   1. Cloud service
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

IM&T/ETL

ODS/NDS/DDS

Data Mart

5. MemSQL

1. Website?
   1. https://www.singlestore.com/blog/revolution/
2. What does it do?
   1. Distributed SQL database management system that can run anywhere. Has ACID transactions and performs operational analytics. Works for SQL, JSON and gospatial.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Software as a service.
4. Is it installed onsite, or is it in the cloud?
   1. Both
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

ODS/NDS/DDS

6. Oracle Essbase

1. Website?
   1. https://www.oracle.com/business-analytics/essbase.html
2. What does it do?
   1. Helps to work around a wide range of data sources
   2. Design, manage and scale in the cloud
   3. Provide what-if analysis, advanced analytical calculation engine, and complex hierarchy modeling. MDP.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering and Service
4. Is it installed onsite, or is it in the cloud?
   1. Cloud service
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

ODS/NDS/DDS

Crossmedia storage

7. Pentaho Data Integration

1. Website?
   1. https://help.hitachivantara.com/Documentation/Pentaho/7.0
2. What does it do?
   1. Pentaho Data Integration provides ETL (Extract, transform and load) capabilities that helps in processing storing and capturing data using uniform and consistent data format.
   2. Delivers analytics-ready data to end users with visual tools
   3. Eliminates need and costs for data staging
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. On-site. It is containerized, it is ca ‘Cloud Native system similar to AWS.
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

ODS/NDS/DDS

8. PostgreSQL

1. Website?
   1. https://www.postgresql.org/
2. What does it do?
   1. General purpose object-relational database management system.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. On-site. It is containerized, it is ca ‘Cloud Native system similar to AWS.
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

Data Mart

ODS/NDS/DDS

Cross Media Storage

9. Reltio

1. Website?
   1. https://www.reltio.com/
2. What does it do?
   1. Multi-domain cloud MDM platform
   2. Helps to deploy customer, organization, employee, assets, location and product data masters within the same instance.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. Cloud
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

b. If technical architecture, which part of the corporate information factory does it aim to

address? Data mart? IM&T/ETL? ODS/NDS/DDS? External world application?

Crossmedia storage? And so on.

ODS/NDS/DDS

Cross Media Storage

10. Snowflake.com

1. Website?
   1. https://www.snowflake.com/en/
2. What does it do?
   1. Create new revenue streams by finding new customers and increase revenue by offering data sets and data services.
   2. Run data applications, models and pipelines where data lives.
   3. Work and collaborate seamlessly across multiple clouds no matter where data, applications or local business.
3. Is it a product (hardware/software), service (we do the work for you), or both?
   1. Product offering
4. Is it installed onsite, or is it in the cloud?
   1. Both
5. Is it systems or technical architecture?
   1. Technical architecture

a. If systems architecture, is it SMP, MPP, or Hadoop/MapReduce?

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Crossmedia storage? And so on.

ODS/NDS/DDS

IM&T/ETL