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IST 722 Data Warehouse

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Homework 2

Offerings

1. Pentaho Data Integration

2. MemSQL

3. Microsoft Dynamics GP

4. Birst

5. Snaplogic

6. PostgreSQL

7. Informatica ILM

Had a little bit of trouble deciphering installation on some of these.

**Offering: Pentaho Data Integration**

1. Website?: **http://www.pentaho.com/product/data-integration**

2. What does it do? **Enables users to ingest, blend, cleanse diverse data from any source. Removes the need for coding expertise with a HUD designed for the end user.**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Software**

4. Is it installed onsite, or is it in the cloud? **Installed onsite.**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS?  **This product falls under the ETL category.**

Offering: **MemSQL**

1. Website?: **https://www.memsql.com/**

2. What does it do? **MemSQL is a relational database management system.**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Software**

4. Is it installed onsite, or is it in the cloud? **Either Fully managed Cloud, Self Service Cloud, or On-Premises**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **It’s defined as a real time data warehouse (RDBMS) with a SQL interface.**

Offering: **Microsoft Dynamics GP**

1. Website?: **https://www.microsoft.com/en-us/dynamics365/gp-overview**

2. What does it do? **Business Accounting Software/ EPR Software**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Software**

4. Is it installed onsite, or is it in the cloud? **Cloud or onsite**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **ERP (Enterprise Resource Planning)**

Offering: **Birst**

1. Website?: **https://www.birst.com/**

2. What does it do? **Business Intelligence Solution**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Service/Software**

4. Is it installed onsite, or is it in the cloud? **Cloud Based Hosting. Can be installed onsite**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **As discussed during class, Birst is really a data warehouse consulting firm – They manage raw data and convert it to ‘warehouse material’ using ETL process. Then the end user can use visualization/BizAnalytics tools via the DSS application.**

Offering: **Snaplogic**

1. Website?: **https://www.snaplogic.com/**

2. What does it do? **“Cloud integration products to allow customers to connect cloud-based data and applications with on-premise and cloud-based business systems”**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Product/Service (Business user can access and integrate data from different sources)**

4. Is it installed onsite, or is it in the cloud? **Cloud based- Not sure about the installation process here**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **I’m going to say IM&T here because it is an iPaaS (Integration Platform)**

Offering: **PostgreSQL**

1. Website?: **https://www.postgresql.org/**

2. What does it do? **Object Relational Database Management System**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Software**

4. Is it installed onsite, or is it in the cloud? **Onsite**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **Enterprise Data Warehouse.**

Offering: **Informatica ILM**

1. Website?: **https://www.informatica.com/ilm.html#fbid=wyWT\_v5TIgN**

2. What does it do? **Reduces size and cost of your data.**

3. Is it a product (hardware/software), service (we do the work for you), or both? **Software, Service**

4. Is it installed onsite, or is it in the cloud? **Cloud- Saas connections**

5. Is it systems or technical architecture? **Technical**

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

b. If technical architecture, which part of the corporate information factory does it aim to address? Data mart? IM&T/ETL? ODS/NDS/DDS? **Cross Media Storage**