Cloud Infrastructure Management (Azure)

Aptus Data Labs' Cloud infrastructure management solution aims to provide user a seamless way of analyzing user cloud data with our portal. The user fragmented data which is present in the cloud is extracted in its raw form and is presented to the user according to the needs.

Azure cloud or any other cloud portal hold important information about a user daily usages, billing info of the resources he created. But this information is left unused if it is not casted in the way a user wants that is where our solution comes into effect which makes great use of cloud data and provides a way of rich experience to analyze it.

Suppose a client wants to know

What are the VMs running in my cloud service?
The

What is the status of my SQL server?

What are the resources being used on a daily basis?

What is the billing invoice on a monthly or daily basis?

These relevant information we see will be helpful to address all our needs like

- **Virtual Machine Provisioning**
- **Database Provisioning**
- **Billing Cycles** etc.

Tools Used :

Yellowfin BI tool, Eclipse

Solution Approach :

The (Azure) cloud data is fetched through its REST framework and then different techniques are being used to extract the important info from the response and all these information are being stored in a database with a timeline in the order they were started and executed.

From the database the data is extracted by applying filters according to the user needs. The values are then plotted against graphs for analysis using a visualization tool.

Outcome :

1. Cloud Data can be pushed to any database on a timestamp basis.
2. Business Data --
   a. Resource Management .
   b. Virtual Machine Management.
   c. Database Management.
   d. Billing Management.
3. One centre storage for all of your cloud info metadata.
4. Fast access to your stored information.
5. Regular Update in database according to their timestamp fetched.

Benifits :

1. It aims to support people in organisation with speedy and accurate information retrieval.
2. The information extracted is stacked up everytime with the timestamp noted.
3. Current status of all your resources can be viewed any time with our solution.
4. Ready availability of fetched info from portal to anyone in the industry.