



# Diagnostic of NetSuite data archival plan

A collagen-based health supplements provider

Assessed NetSuite data requirements diagnostic with various business stakeholders and proposed data archival plan to archive the back-end NetSuite raw data and saved searches

# Diagnostic study of NetSuite data archival plan for health supplements provider

## Situation

- NetSuite was used by the client as an ERP system to record invoice, sales order, transactions, and supply chain data. However, client shifted the ERP system from NetSuite to SAP, therefore was looking to perform a diagnostic study to receive potential cost-effective solutions needed to archive all the NetSuite data so that it can be restored or referenced in future for reporting/auditing purposes
- Partnered with key stakeholders and conducted workshops with business functional areas owners of various departments to understand the data requirements from NetSuite and recommended data archival plan to archive the NetSuite data post cut-off date

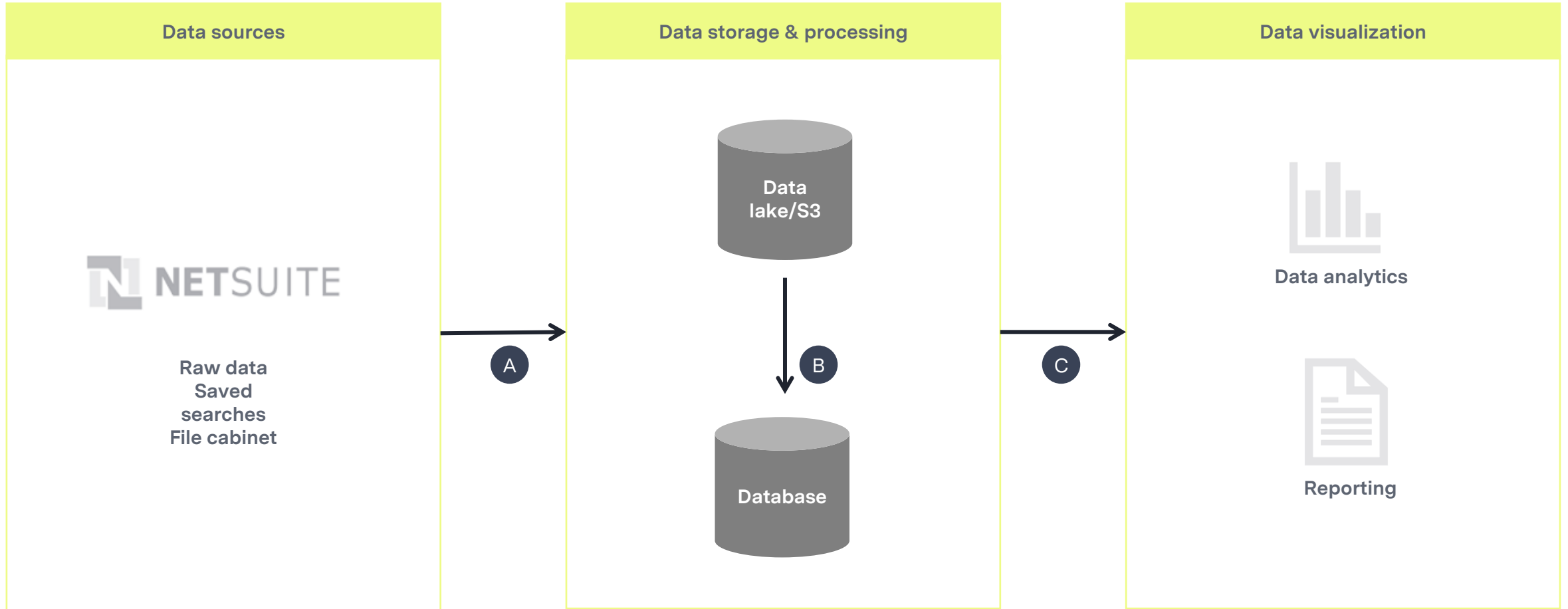
## Accordion Value Add

- **Performed 2-week diagnostic study with business functional areas owners** and conducted workshops (user interviews) to understand their NetSuite data requirements, raw data size, critical saved searches, and frequency of usage
- Based on the diagnostic exercise, provided **recommendations on implementing a robust NetSuite Data Archival Solution** in Azure Environment which includes –
  - Archive all Transaction level, and Master data available in NetSuite
  - Archive all Saved Searches used by business teams
  - Transition key Saved Searches as Power BI dashboards (for retrieval purpose)
  - Highlight potential gaps and inefficiencies in retrieving the data in specific format using BI/SQL compared to NetSuite Front end

## Impact

- Client accepted and approved the plan for NetSuite data archiving in Azure environment along with associated cost and implementation timelines
- From diagnostic phase, client got the archival plan ahead of time which helped them to decide the cut off date for NetSuite data system and to confidently switch over to SAP without loss of historical data

# Proposed high level architecture

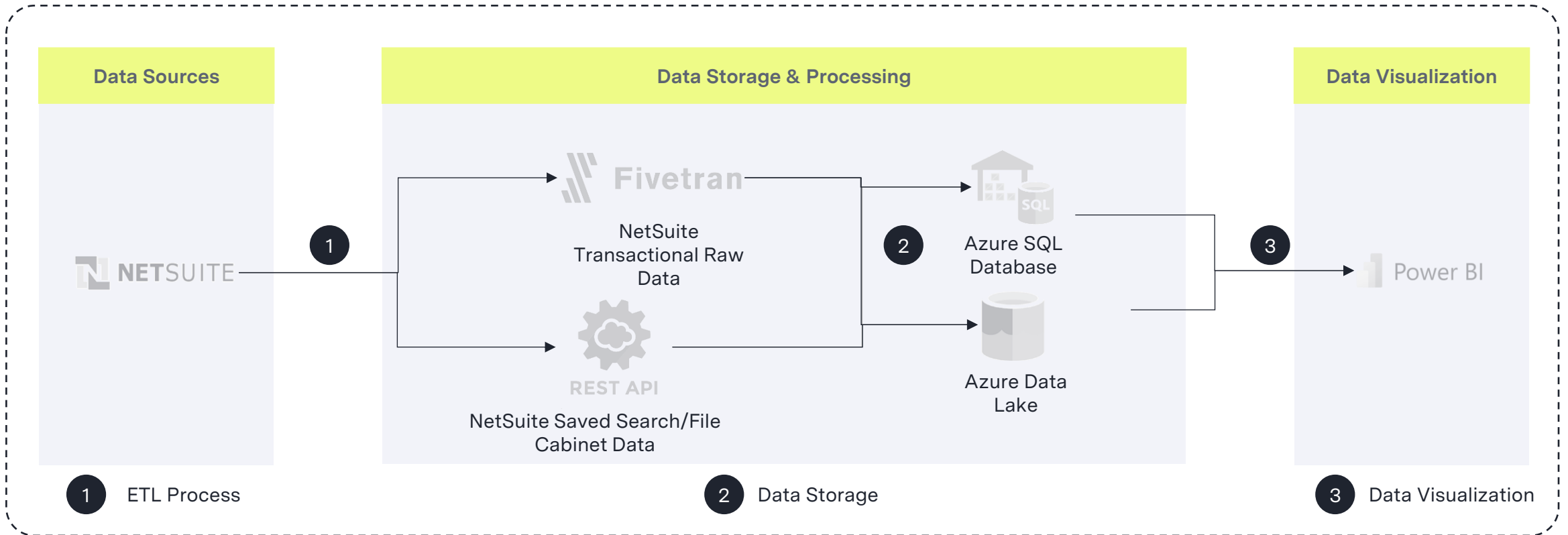


**A** Data is extracted from NetSuite using ETL tools and ingested in data lake (perpetual storage) which acts as backup storage.

**B** Data from the data lake is ingested into database for storage and creating transformations for the visualization.

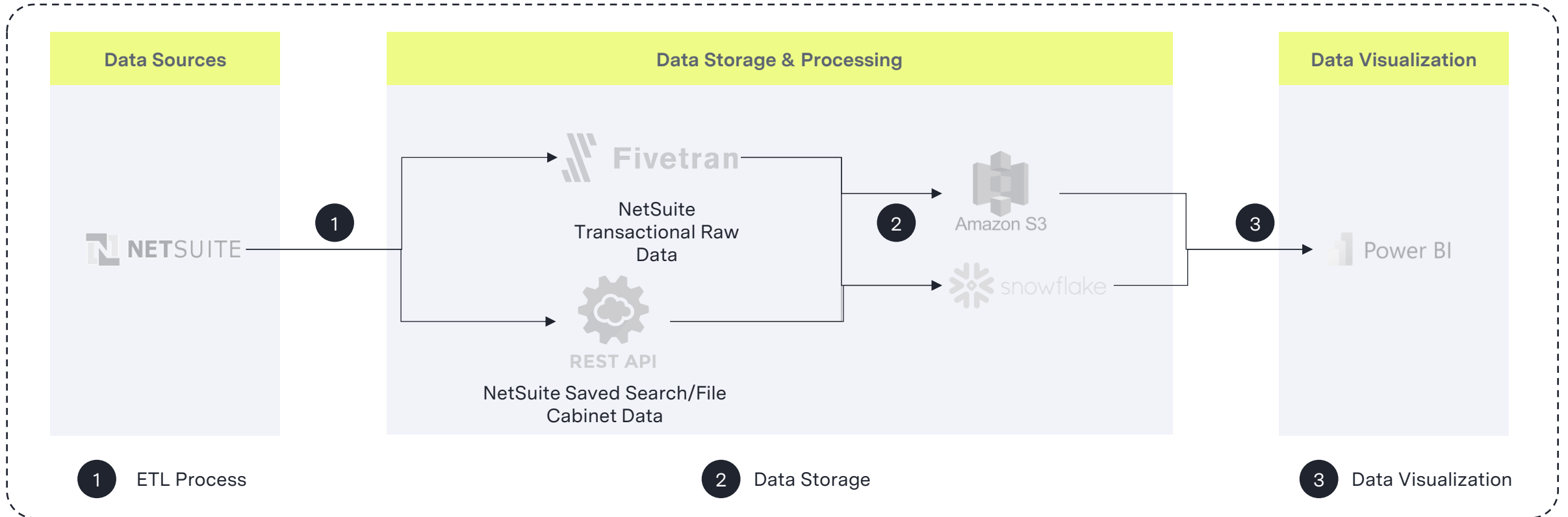
**C** Reports are designed for the users to visualize in a specific format with critical data sets.

# Proposed architecture – NetSuite to Azure environment



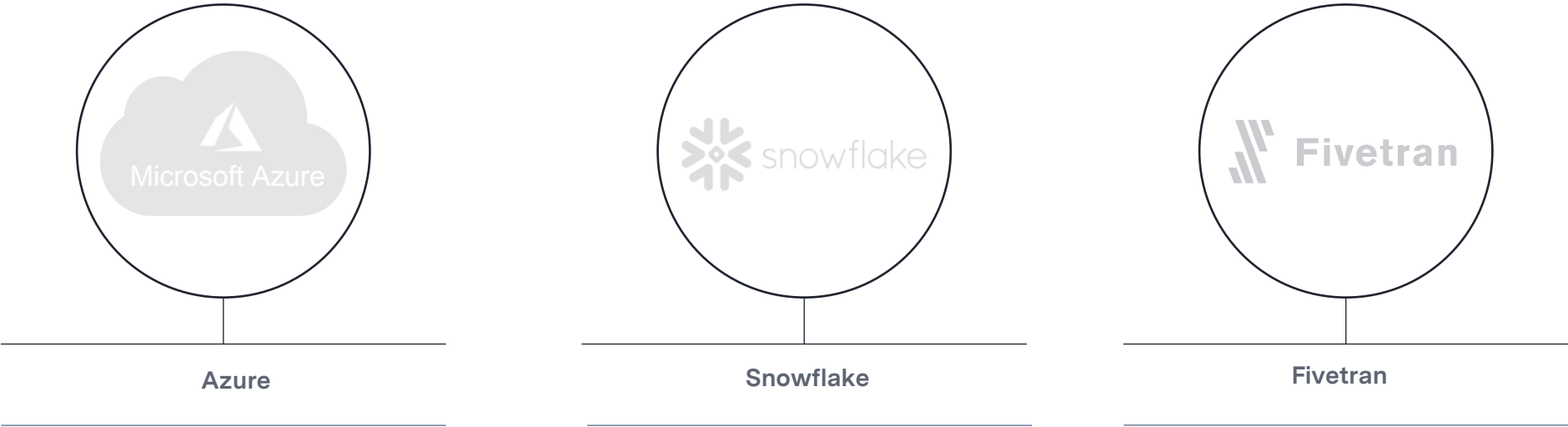
- **Fivetran will be used as ETL tool** to pull all the NS Transactional Raw data and will store the data in **Azure SQL Database**
- NS Saved Searches and File cabinet data will be pulled from **Rest API** and stored in **Azure Data Lake**
- Key NS Saved Searches will be transitioned as Power BI Dashboards
- Estimated Total Cost for Azure Architecture to archive NS data will be **~425 USD/Month** (Fivetran Cost: 200 USD/Month, Azure Cost: 225 USD/Month)

# Proposed alternate architecture – NetSuite to Snowflake environment



- **Fivetran will be used** as ETL tool to pull all the NS Transactional Raw data and will store the data in **S3**
- NS Saved Searches and File cabinet data will be pulled **from Rest API** and stored in **Snowflake database**
- **Key NS Saved Searches** will be transitioned as **Power BI Dashboards**
- Estimated Total Cost for this Architecture to archive NS data will be **~250 USD/Month** (Fivetran Cost: 200 USD/Month, Snowflake Cost: 50 USD/Month)

# Data platforms – Recommended specifications and pricing



Specifications	<ul style="list-style-type: none"><li>Azure SQL Database – 50 DTU, 250 GB Storage</li></ul>	<ul style="list-style-type: none"><li>Loading : XS (1 credit per hour), Reporting: XL (16 credits per hour), 250 GB Storage</li><li>Snowflake service edition: Premier (\$2.25 per credit)</li></ul>	<ul style="list-style-type: none"><li>Standard</li></ul>
Estimated Pricing	<ul style="list-style-type: none"><li>~150 - 200 USD/month</li><li>~25 USD/month for Data lake</li></ul>	<ul style="list-style-type: none"><li>~300 USD/month (4 hours continuously per day)</li><li>~20 USD/month for S3</li></ul>	<ul style="list-style-type: none"><li>~200 USD/month (based on number of records pulled)</li></ul>