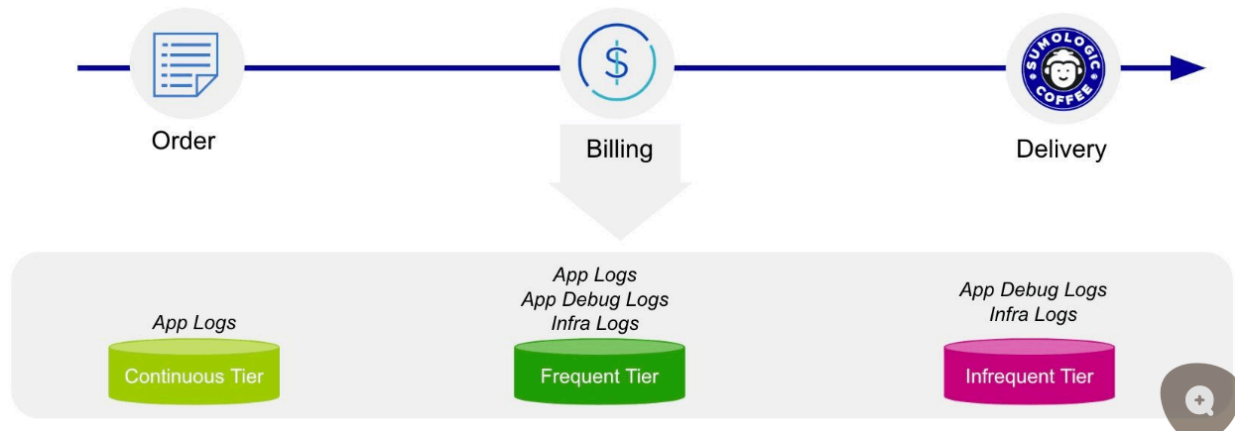# Searching Data

Types of Data Tiers

Continuous Tier

- Data you use to **monitor** and **troubleshoot** production applications and to **ensure the security** of your applications

Frequent Tier

- Data you need to **frequently access** to troubleshoot and investigate issues

    - ex) development and test data

- Searching the Frequent tier is **free**

Infrequent Tier

- Data that is used to troubleshoot **intermittent** or **hard-to-reproduce** issues

  - ex) debug logs, OS logs, thread dumps

- **Pay-per-search** pricing model, and **very low ingestion** cost

How the logs are stored?

- `Billing/infra` goes to the **Infrequent**

- `Billing/applog` is going to the **Continuous**

- Anything tagged with **Frequent**, would go to the **Frequent** Tier for our **Billing**

How to search logs data

Basic mode

- The Basic Mode provides a simple and intuitive workflow to select the data tier, indexes of interest, filter based on metadata and eventually zero in on the logs of interest through the specific keywords.

- Offers an easy-to-use, structured query builder

- **Recent Search** runs previously ran queries. (Auto saved)

- Can pick **Data Tier** to run the query against.

- Type in any **partitions** or **Views** that you want to run the query against

  - **Partition**: Shows up as **<Tier> Index**

- **Scheduled View:** Shows up as a **<Tier> View**.

Metadata

Tag	Description
_collector	Name of the collector (set when the Collector was installed) that received the log message.
_sourceHost	Hostname of the Source
_sourceName	The name of the log file, determined by the path you entered when you configured the Source
_source	Name of the source this data came through
_sourceCategory	The category of the Source that collected the log message. **Can be freely configured. Main metadata tag**

Tag	Description
_messageCount	A sequence number (per Source) added by the Collector when the message was received.
_messageTime	The timestamp of the message (in milliseconds)
_receiptTime	The time the Collector received the message (in milliseconds)
_size	The size of the log message in bytes
_raw	The raw log message
_format	The pattern used for parsing the timestamp