### **Resource Monitors in Snowflake**

A **resource monitor** in Snowflake helps you **track and control** how much **compute (credits)** your account or warehouses are using.

### **What It Does:**

* Monitors **credit usage** (not storage or data transfer).
* Can **alert** you or even **suspend warehouses** when usage hits set limits.
* Helps you **avoid surprise costs**.

### **Key Components:**

| **Term** | **Meaning** |
| --- | --- |
| **Credit Quota** | The max number of credits allowed during a time period (day/month). |
| **Threshold** | A percentage of the quota at which an action (alert/suspend) is triggered. |
| **Action** | What happens when a threshold is hit: Notify, Suspend, or Suspend Immediately. |
| **Frequency** | How often the monitor resets (e.g., **daily**, **monthly**, or **never**). |

### **Create a Resource Monitor (Example):**

CREATE RESOURCE MONITOR my\_monitor

WITH CREDIT\_QUOTA = 100

TRIGGERS ON 80 PERCENT DO NOTIFY

ON 100 PERCENT DO SUSPEND

ON 120 PERCENT DO SUSPEND\_IMMEDIATE;

* This means:  
  + At **80%**, send a notification.
  + At **100%**, suspend the warehouse.
  + At **120%**, suspend immediately if somehow it’s still running.

### **Why Use It?**

* Prevent cost overruns
* Set guardrails for departments or projects
* Automate actions based on usage



