Creating alerts programatically in Databricks

Presenter :

Vasileios (Vasilis) Anagnostopoulos

What we will discuss

- What are Databricks alerts
- How to create an alert manually
- How to create an alert programatically
- Manually?
- Programatically

What are Databricks alerts

1. Dynamic datasets may change in interesting ways

2. Databricks alerts are a way of monitoring and notifying about interesting changes.

3. It is implemented as an SQL query that returns a true or false flag a.k.a. condition

4. It is a databricks native solution

5. Could be implemented by Airflow

How to create an alert manually

Demo time

How to create an alert programatically

Demo time

Manually?

1. Manual is easy but requires co-ordination.
2. Manual hides resources, programmatic offers explicit resource management.
3. Manual needs UI, cannot be automated.

Programatically?

1. Programmatic can be version controlled and have some unit tests.

2. Programmatic can run automatically in CD pipeline.

3. Programmatic can be centralized through service principal.