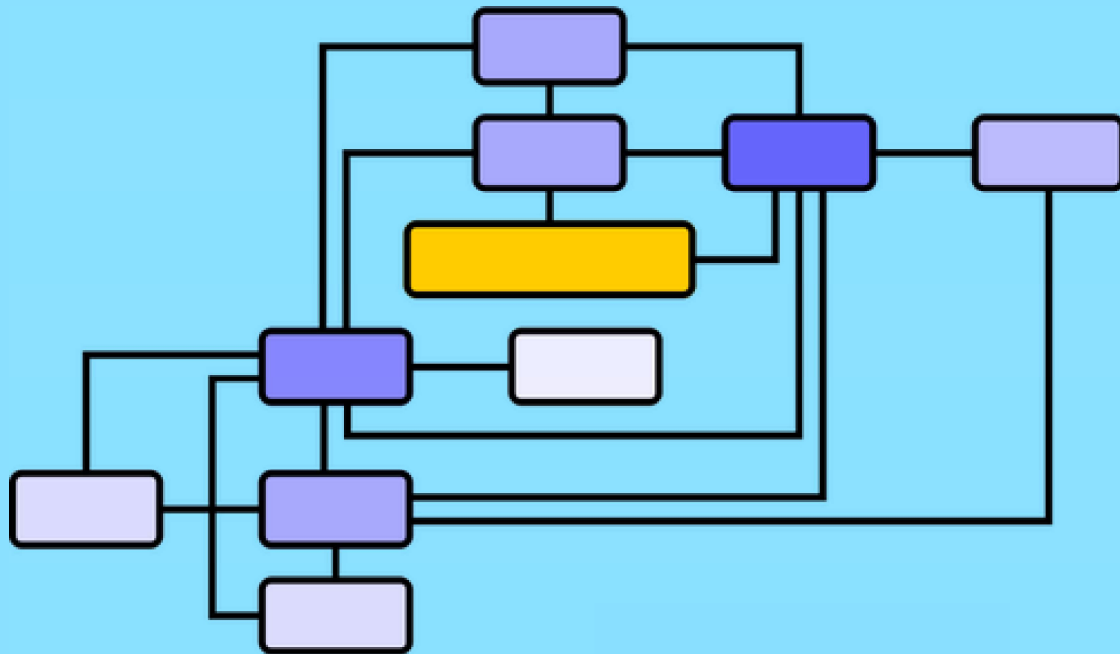


# Databricks Workflows



New  
Features!

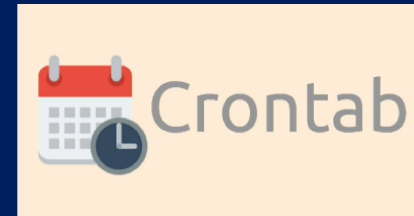
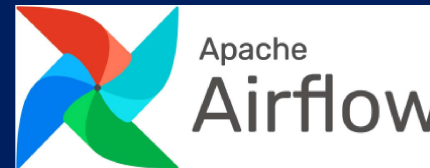


# Where Are We Going?

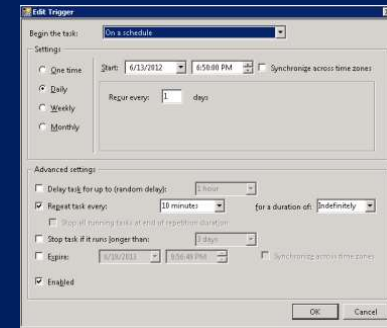
- **What are Databricks Workflows?**
- **Riveting Demo**
- **Why Use Workflows?**
- **Limitations**
- **Use Cases**

# What are Databricks Workflows?

- Define Series of Activities to Complete a Task
- Scheduling
- Logging and Alerting
- Parallel Task Execution
- Is NOT a Data Movement and Transformation Service (DMAT)



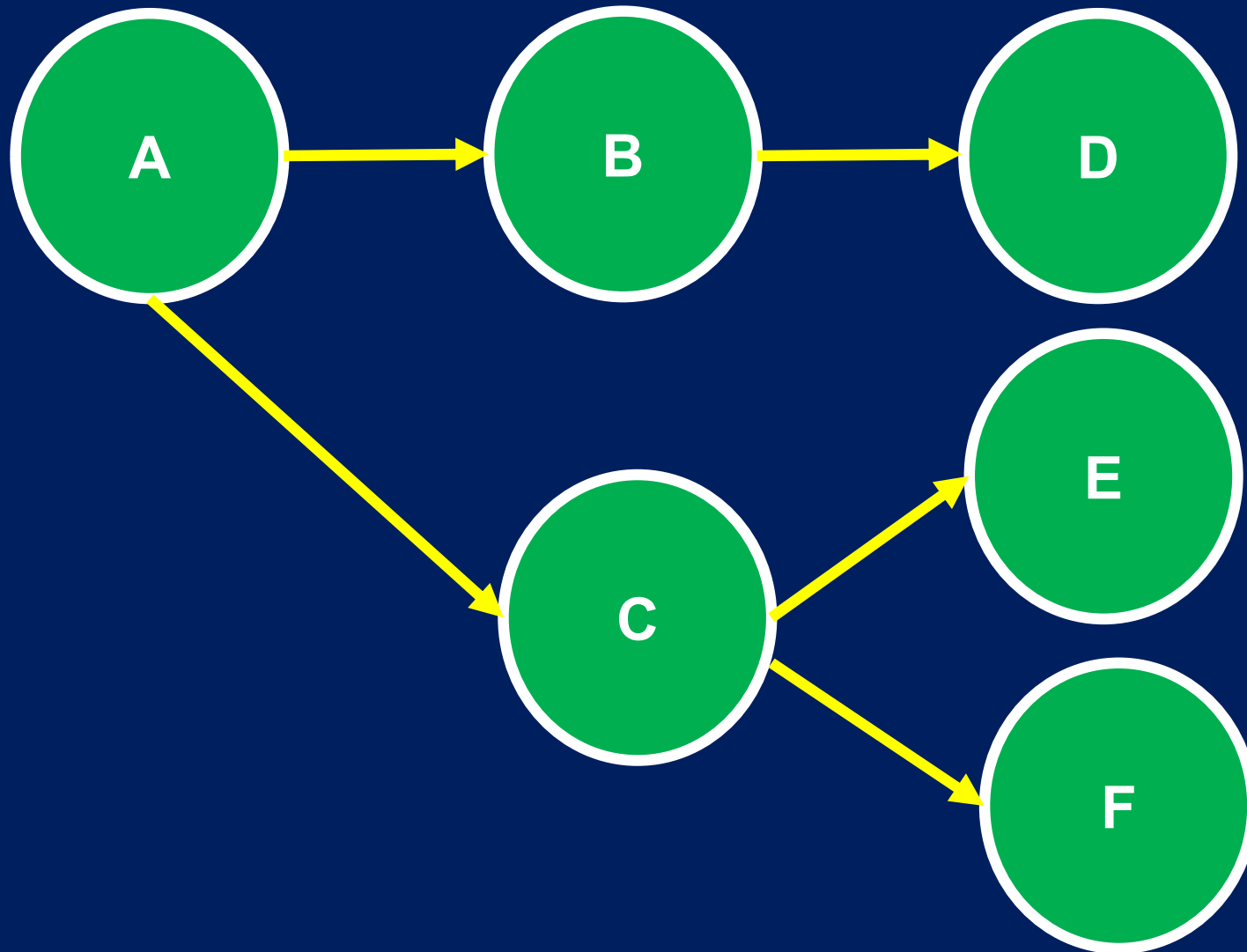
SQL Server Agent



Windows Scheduler

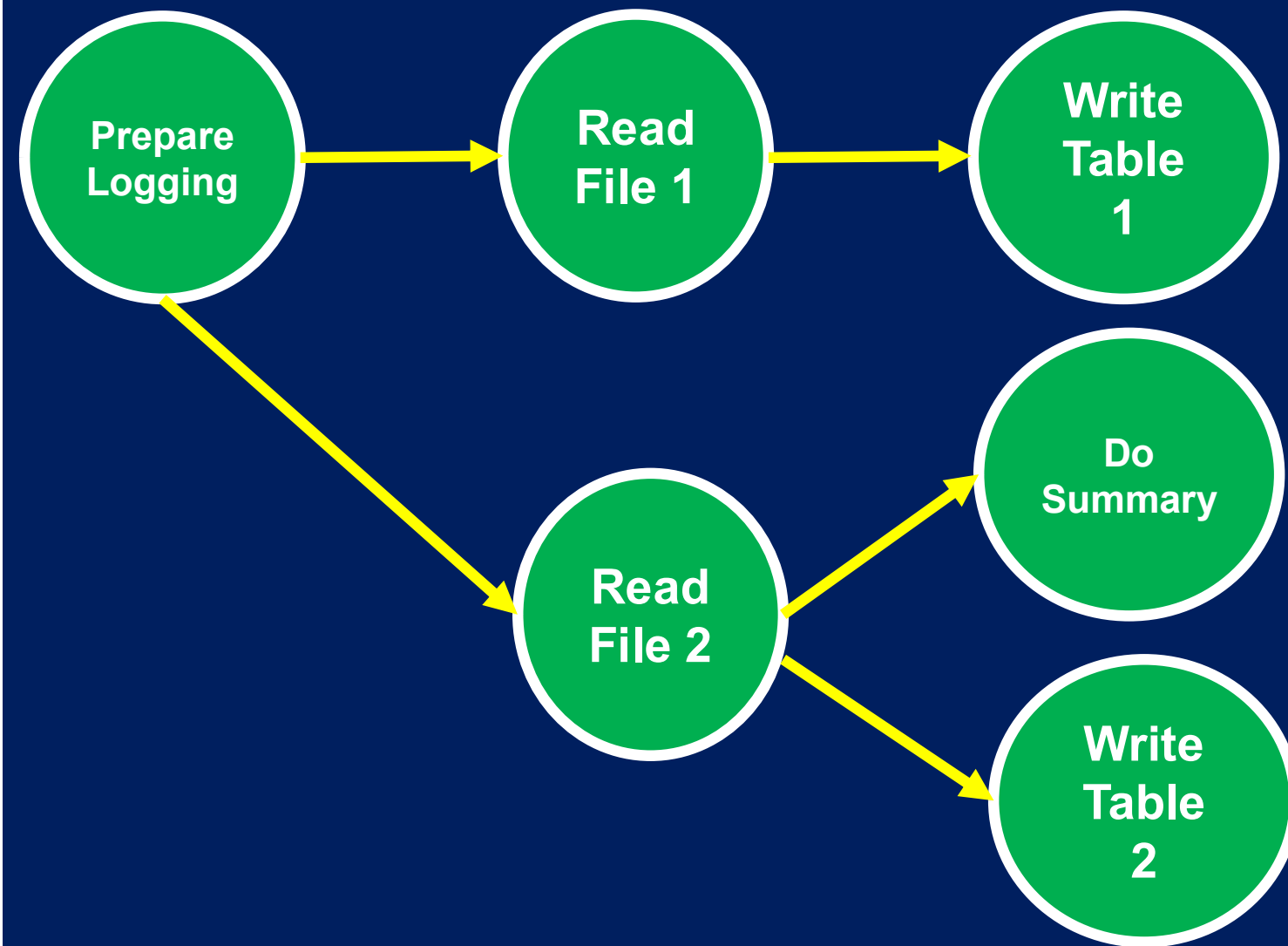
# Workflows Use a DAG

## Directed Acyclic Graph



- Vertices (Objects)
- Edges (Relationships)
- Objects and Their Relationships to Other Objects
- Directional (Directed)
- No Loops!!! Acyclic

# Example Workflow



- Start: Prepare Logging.
- Concurrently Run:
  - Read File 1
  - Read File 2
- After Read File 1 Completes:
  - Write Table 1
- After Read File 2 Completes:
  - Do Summary
  - Write Table 2

# Demo

**Let's See It Work!**

# Why Use Workflows?

Zero Effort to Set Up

Can Execute Many Types of Tasks

Highly Configurable

Fits into the Databricks Roadmap

Powerful No Code Solution

Full Supported by the REST API

# Limitations

Only Available on Databricks

Ideally Suited for Databricks Workloads

May Not Fit Extremely Complex Workflows



# What are Workflows Good For?

**Data Movement and Transformation  
(DMAT)**

**Machine Learning Pipelines**

**Preparing Data for Visualization  
Tools**

**Databricks Automation**