Retrieving Data with xcom\_pull

Apache Airflow's **xcom\_pull** function is a key feature for sharing data between tasks within a DAG. It allows tasks to exchange metadata or small amounts of data that can be serialized as JSON. Here's a comprehensive guide to using **xcom\_pull** effectively in your workflows.

Understanding xcom\_pull

The **xcom\_pull** method is used to retrieve values from XComs, which are pushed by other tasks using **xcom\_push** or by returning values from operators or **@task** functions. By default, values are pushed to an XCom key named **return\_value**, which **xcom\_pull** can retrieve without specifying a key.

Pulling Data from XCom

Downstream tasks can retrieve this data using **xcom\_pull**:

# Pull data from XCom using the key

file\_path = task\_instance.xcom\_pull(key='file\_path', task\_ids='upstream\_task\_id')

Usage Examples

* To pull a value from a specific task, use:

value = task\_instance.xcom\_pull(task\_ids='task\_id')

* For pulling from multiple tasks, pass a list to **task\_ids**:

values = task\_instance.xcom\_pull(task\_ids=['task\_id1', 'task\_id2'])

* To pull a specific key from XCom, specify the **key** parameter:

value = task\_instance.xcom\_pull(key='my\_key', task\_ids='task\_id')