

## Airflow Composer STS Debug Report

I tried to set up a GCS-to-GCS transfer using Storage Transfer Service (STS) in a Cloud Composer environment running Airflow 2.5.3. I used the operator from `airflow.providers.google.cloud.operators.cloud_storage_transfer_service:CloudDataTransferServiceCreateJobOperator`.

When I deployed this, the Composer environment failed to parse the DAG and gave an error: `ModuleNotFoundError: No module named 'airflow.providers.amazon'`. This was unexpected since the DAG doesn't use any AWS services. Upon checking the source code of the operator, it internally imports `airflow.providers.amazon.aws.hooks.base_aws.AwsBaseHook`. That means the Google provider has a hard dependency on the Amazon provider even for GCS-to-GCS transfers.

The environment also showed a PyPI package installation failure. I had previously shared a screenshot that shows: "Failed to install Python packages". This confirms that the Composer environment update did not complete successfully, likely due to missing dependencies like the Amazon provider.

As of now, the error is not resolved.

I will attempt to fix it by updating the Composer environment with both:

`apache-airflow-providers-google==10.1.0`

`apache-airflow-providers-amazon==6.1.0`

I expect this to resolve the missing module error by ensuring all dependencies are installed. Until then, the DAG remains broken due to the missing Amazon provider.

# Screenshot: Composer Environment Update Failure

