# Troubleshooting & Common Issues

## Bash Command Not Found Issue

Error:

Failure caused by '/usr/bin/bash /home/lokesh/Telecome\_Pipeline/Scripts/Extract\_CDR\_Files.sh' not found in search path.

Fix:

Ensure the script is in the correct directory.  
Use `cd` before execution:  
 cd /home/lokesh/Telecome\_Pipeline/Scripts  
 ./Extract\_CDR\_Files.sh  
Grant execute permissions:  
 chmod +x /home/lokesh/Telecome\_Pipeline/Scripts/Extract\_CDR\_Files.sh

## Task Skipping Due to Script Failure

Error:

Task skipped without failure despite issues in the script.

Fix:

Add failure handling in the script:  
 set -e  
 set -o pipefail  
Ensure the script exits properly on failure:  
 if [ $? -ne 0 ]; then  
 echo 'Error occurred, exiting...'  
 exit 1  
 fi

## Permission Issues with CDR Files

Error:

./Extract\_CDR\_Files.sh: Permission denied for CDRurls.txt.

Fix:

Update file permissions:  
 chmod 644 /home/lokesh/Telecome\_Pipeline/CDRurls.txt  
If write access is needed:  
 chmod 666 /home/lokesh/Telecome\_Pipeline/CDRurls.txt

## SQL Access Issues in PostgreSQL

Error:

Access denied for user in PostgreSQL.

Fix:

Ensure the user has the correct privileges:  
 ALTER USER airflow\_user WITH SUPERUSER;  
Grant database-specific privileges:  
 GRANT ALL PRIVILEGES ON DATABASE airflow\_pipeline TO airflow\_user;

## Airflow DAG Failing Due to Dependencies

Error:

Dependencies all met, but task still failing.

Fix:

Check DAG dependencies:  
 airflow dags show Telecome\_Pipeline  
Manually trigger dependent tasks:  
 airflow tasks run Telecome\_Pipeline Load\_CDR\_Files $(date -u +"%Y-%m-%dT%H:%M:%S.%fZ")

## Syntax & Indentation Issues in Airflow DAGs

Error:

SyntaxError: invalid syntax  
IndentationError: unexpected indent

Fix:

Ensure correct Python syntax and indentation:  
 - Use 4 spaces per indentation level (avoid tabs).  
 - Check for missing colons (`:`) in function definitions and conditionals.  
 - Run Python syntax validation:  
 python -m py\_compile your\_dag.py  
Use an IDE like VS Code or PyCharm to auto-format code.

## Hardcoded Credentials in Airflow Connections

Error:

Credentials like database passwords may be hardcoded in DAGs.

Fix:

Store credentials securely using Airflow Connections:  
 airflow connections add 'postgres\_conn' \  
 --conn-type 'postgres' \  
 --conn-host 'localhost' \  
 --conn-login 'airflow\_user' \  
 --conn-password 'secure\_password' \  
 --conn-schema 'fraud\_detection'  
Use environment variables instead of hardcoded values.  
Ensure `airflow.cfg` is properly configured to hide sensitive data.