# admin.SetDBOffline – Technical Documentation

Version: 2.0  
Date: 2025-08-01  
Page: 1 of 2

## Summary

This function modifies the active connection limit of a target PostgreSQL database via `ALTER DATABASE ... CONNECTION LIMIT`. It is used to temporarily take databases offline, reduce usage, or reopen them to clients.

## Function Logic

1. Uses `format()` to dynamically build:  
 `ALTER DATABASE %I CONNECTION LIMIT %s;`  
2. Executes SQL command directly  
3. Constructs a `CASE` label for logging action:  
 - 0 → 'Set DB Offline'  
 - -1 → 'Set DB Online'  
 - Else → 'Set DB Conn Limit: N'  
4. Logs into `info.object\_log\_history` with:  
 - action\_type  
 - target\_entity = DB name  
 - associated\_entity = current\_user  
 - sql\_command  
 - status = 'SUCCESS'

## Use Cases

- Prep a database for patching or migration  
- Prevent new sessions temporarily (set limit to 0)  
- Restore or throttle sessions post-deploy

## Security Requirements

- Caller must have privileges to run `ALTER DATABASE`  
- Must run on the current cluster — cannot change remote DBs

## Limitations

- Does not forcibly disconnect current sessions  
- Does not support batch input (one DB at a time)  
- Assumes existence of `info.object\_log\_history`

## References

- https://www.postgresql.org/docs/current/sql-alterdatabase.html  
- https://www.postgresql.org/docs/current/manage-ag-overview.html

## TL;DR

Changes a database's connection limit with logging. Use it to take a DB offline or restrict access mid-deploy.