# deploy.SetRevokeUser – Technical Documentation

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## Summary

Handles structured user revocation from inherited roles, and optionally drops the user accounts from the PostgreSQL instance. Fully supports dry-run simulation and logging.

## Function Logic

1. Loop through each `p\_usernames[]`  
2. If `p\_inherit\_roles[]` is set:  
 - REVOKE each role from the user  
3. If `p\_drop\_user = TRUE`:  
 - Executes `DROP OWNED BY` (if inheritance exists)  
 - Executes `DROP ROLE` for each user  
4. Returns output messages (NOTICES or result string) detailing actions

## Dry-Run vs Execute

- `p\_execute\_flag = FALSE`: no changes are made, but full SQL statements are returned/logged  
- `p\_execute\_flag = TRUE`: actions are actually executed and user is removed if flagged

## Edge Cases

- Function does not validate user existence before execution  
- Will not drop a user unless explicitly flagged (even after revokes)  
- Assumes caller has DROP/REVOKE privileges

## Audit & Logging

- Designed to integrate with wrapper functions like `SetAccountRevoke()`  
- May return combined messages when used in script batches or DO blocks

## References

- https://www.postgresql.org/docs/current/sql-revoke.html  
- https://www.postgresql.org/docs/current/sql-drop-role.html  
- https://www.postgresql.org/docs/current/sql-drop-owned.html

## TL;DR

Revokes inherited roles and optionally drops users. Logs results and supports safe dry-run simulations.