# deploy.SetAccountRevoke – Technical Documentation

Version: 2.0  
Date: 2025-08-01  
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## Summary

Handles structured revocation of PostgreSQL users, role assignments, schema-level permissions, and the eventual removal of roles. Can run as dry-run or full execution.

## Execution Flow

1. If `p\_usernames` and `p\_inherit\_roles` provided:  
 - Calls `deploy.SetRevokeUser()` to revoke role inheritance.  
2. If `p\_usernames` provided:  
 - Calls `deploy.SetRevokeUser()` again to remove users.  
3. If `p\_object\_roles` and `p\_schemas` provided:  
 - Calls `deploy.SetRevokeRolePermissions()` to strip access to schema objects.  
4. If `p\_role\_names` provided:  
 - Calls `deploy.SetRoleRevoke()` to drop roles from the system.

## Return & Logging

- Returns a TEXT message containing results of each operation.  
- Internally uses NOTICE for dry-run and real action summaries.  
- Uses `info.account\_log\_history` and `info.object\_log\_history` if child functions are configured to do so.

## Security Considerations

- Caller must be superuser or have equivalent rights to manage users and roles.  
- Underlying functions must have EXECUTE rights granted to intended caller.  
- Consider wrapping in SECURITY DEFINER for tiered automation.

## Limitations

- Does not cascade drops — assumes roles and users are no longer needed.  
- No validation of role dependencies before revocation.  
- If object roles or schemas are invalid, child functions may fail silently or partially.

## 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-reassign-owned.html

## TL;DR

Orchestrates user and role cleanup across schemas. Calls lower-level revocation routines. Dry-run capable and auditable.