# info.GetPrivileges – Technical Documentation

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## Summary

Scans schema and database-level privileges across all roles, optionally filtered by input role. Supports role inheritance and PostgreSQL version-safe ACL detection.

## Internal Flow

1. Detects current DB:  
 - Uses `info` schema for `DBA`  
 - Uses `dba` schema for user DBs  
 - Exits early for `postgres` or `rdsadmin`  
  
2. Constructs dynamic SQL function inside that schema  
3. Core logic includes:  
 - Role inheritance map (via pg\_auth\_members)  
 - USAGE + CREATE privileges on schemas  
 - CONNECT, TEMP, CREATE on the database  
 - Optionally includes default ACLs for PG ≥ 14

## Filtering & Safety

- Accepts optional role filter as `p\_role`  
- Returns results for all roles if left blank  
- Uses current setting `server\_version\_num` to conditionally include ACL parsing

## Limitations

- Does not parse object-level (table/function) grants  
- Limited to schema/database privilege scopes  
- May omit inherited roles if not declared properly via `pg\_auth\_members`

## References

- https://www.postgresql.org/docs/current/view-pg-roles.html  
- https://www.postgresql.org/docs/current/infoschema-schema-privileges.html  
- https://www.postgresql.org/docs/current/sql-grant.html

## TL;DR

Queryable report of schema and database access by role. Version-aware and built for audit views.