# info.SetPassword – How-To Guide

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## Summary

Securely updates a PostgreSQL role's password while logging the change in the audit table. Validates input and enforces minimum security constraints.

## Usage Instructions

Run using the following format:  
  
 SELECT info.SetPassword('target\_user', 'new\_secure\_password');

## Examples

1. Update a password:  
 SELECT info.SetPassword('alice', 'ComplexP@ssw0rd!');  
  
2. Fail if too short:  
 SELECT info.SetPassword('alice', 'short');  
  
3. Fail if username is missing:  
 SELECT info.SetPassword('', 'ValidPass123!');  
  
4. Fail if target is superuser:  
 SELECT info.SetPassword('postgres', 'DoNotTouchThis');

## Parameters

- `target\_username`: TEXT – PostgreSQL role to update  
- `new\_password`: TEXT – New password, must be at least 12 characters

## TL;DR

Secure password reset with audit logging. Refuses unsafe input, protects system roles, logs all activity.