

## Audit Report

Solution: postgresSQL  
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Rule	Result	Current Value	Expected Value
Control 3.1.13 Ensure the program name for PostgreSQL syslog messages is correct (Automated):	PASS	syslog_ident is set to postgres	
Control 3.1.14 Ensure the correct messages are written to the server log:	PASS	log_min_messages is set to warning	
Control 3.1.15 Ensure the correct SQL statements generating errors are recorded (Automated):	PASS	log_min_error_statement is set to error	
Control 3.1.16 Ensure 'debug_print_parse' is disabled:	PASS	debug_print_parse is set to off	
Control 3.1.17 Ensure 'debug_print_rewritten' is disabled (Automated):	PASS	debug_print_rewritten is set to off	
Control 3.1.19 Ensure 'debug_pretty_print' is enabled (Automated):	PASS	debug_print_plan is set to off	
Control 3.1.19 Ensure 'debug_pretty_print' is enabled (Automated):	PASS	debug_pretty_print is enabled	
Control 3.1.20 Ensure 'log_connections' is enabled:	FAIL	log_connections is off	on
Control 3.1.21 Ensure 'log_disconnections' is enabled (Automated):	FAIL	log_disconnections is off	on
Control 3.1.22 Ensure 'log_error_verbosity' is set correctly:	FAIL	log_error_verbosity is set to default	"verbose"
Control 3.1.23 Ensure 'log_hostname' is set correctly (Automated):	PASS	log_hostname is set to off	
Control 3.1.24 Ensure 'log_line_prefix' is set correctly (Automated):	PASS	log_line_prefix contains %m [%p]	
Control 3.1.25 Ensure 'log_statement' is set correctly (Automated):	FAIL	log_statement is set to none	ddl, mod, or all

Rule	Result	Current Value	Expected Value
Control 3.1.26 Ensure 'log_timezone' is set correctly (Automated):	FAIL	log_timezone is set to Etc/GMT0	UTC (or organization-defined equivalent)
Control 3.2 Ensure the PostgreSQL Audit Extension (pgAudit) is enabled (Automated):	FAIL	pgaudit is NOT included in shared_preload_libraries ().	
Control 3.2 Ensure the PostgreSQL Audit Extension (pgAudit) is enabled (Automated):	FAIL	pgaudit.log is empty or not properly configured.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_database_owner" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_read_all_data" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_write_all_data" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_monitor" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_read_all_settings" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_read_all_stats" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_stat_scan_tables" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_read_server_files" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_write_server_files" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_execute_server_program" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_signal_backend" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_checkpoint" does not have elevated privileges.	
Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_use_reserved_connections" does not have elevated privileges.	

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Control 4.2 Ensure excessive administrative privileges are revoked (Manual):	PASS	Role "pg_create_subscription" does not have elevated privileges.	
Control 4.3 Ensure excessive function privileges are revoked (Automated):	PASS	No unauthorized SECURITY DEFINER functions found.	
Control 6.2 Ensure 'backend' runtime parameters are configured correctly (Automated):	FAIL	log_connections is off	"on"
Control 6.2 Ensure 'backend' runtime parameters are configured correctly (Automated):	FAIL	log_disconnections is off	"on"
Control 6.2 Ensure 'backend' runtime parameters are configured correctly (Automated):	PASS	All backend runtime parameters are correctly set	
Control 6.8 Ensure TLS is enabled and configured correctly:	FAIL	TLS/SSL is not enabled (ssl = off)	
Control 6.8 Ensure TLS is enabled and configured correctly:	PASS	TLS/SSL is enabled and certificate/key are configured properly	
Control 6.9 Ensure the pgcrypto extension is installed and configured correctly (Manual):	FAIL	pgcrypto extension is not installed or available in the cluster	
Control 7.1 Ensure a replication-only user is created and used for streaming replication:	FAIL	Only the default "postgres" user has replication privileges. Create a dedicated replication-only user.	
Control 7.2 Ensure logging of replication commands is configured (Manual):	FAIL	log_replication_commands is set to off	"on"
Control 7.4 Ensure WAL archiving is configured and functional:	FAIL	archive_mode is not set to "on"	
Control 7.4 Ensure WAL archiving is configured and functional:	FAIL	No WAL files have been archived yet (archived_count = 0)	
Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	allow_in_place_tablespace is NOT outside the data cluster (off).	
Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	data_directory is NOT outside the data cluster (/Library/PostgreSQL/16/data).	

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Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	default_tablespace is NOT outside the data cluster ().	
Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	log_directory is NOT outside the data cluster (log).	
Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	temp_tablespaces is NOT outside the data cluster ().	
Control 8.1 Ensure PostgreSQL subdirectory locations are outside the data cluster (Manual):	FAIL	5 setting(s) are still inside the data cluster.	