# POSTGRESQL 9.X STIG
# REVISION HISTORY

## Version 2, Release 2

## 23 July 2021

## Developed by Crunchy Data Solutions, Pivotal Software, and DISA for the DoD

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| V2R2 | - PostgreSQL 9.x STIG, V2R1 | - PGS9-00-008800 - Corrected log_line_prefix value in Fix text. <br> - PGS9-00-009700 - Corrected log_line_prefix values in Check and Fix. <br> - PGS9-00-010000 - Removed due to parent requirement being removed from the Database SRG. | 23 July 2021 |
| V2R1 | - PostgreSQL 9.x STIG, V1R7 | - DISA migrated the PostgreSQL 9.x STIG to a new content management system. The new content management system renumbered all Groups (V-numbers) and Rules (SV-numbers). With the new Group and Rule numbers, DISA incremented the version number from V1R7 to V2R1. <br><br> - PGS9-00-002500 - Updated client_min_messages setting. <br> - PGS9-00-003000, PGS9-00-007200 - Changed how to configure SSL. | 23 October 2020 |
| V1R7 | - PostgreSQL 9.x STIG, V1R6 | - V-72893 - Update real-time alerts. | 24 April 2020 |
| V1R6 | - PostgreSQL 9.x STIG, V1R5 | - V-73071 - Changed specific RHEL reference to FIPS 140-2 certified. <br> - V-73021 - Removed user session auditing requirement. | 25 October 2019 |
| V1R5 | - PostgreSQL 9.x STIG, V1R4 | - V72885 - Modified Fix text to read set "log_file_mode" to "0600". <br> - V-72951 - Modified Check content to include proper permissions to objects. | 26 April 2019 |
| V1R4 | - PostgreSQL 9.x STIG, V1R3 | - V-72843 - Restored Check content wording, which had been corrupted. | 26 October 2018 |
| V1R3 | - PostgreSQL 9.x STIG, V1R2 | - V-72851 - Updated Fix to include appropriate permission statement. <br> - V-73067- Updated Check and Fix to ensure audit records generate when successful accesses to objects occur. <br> - Updated release number and date. | 27 April 2018 |
| V1R2 | - PostgreSQL 9.x STIG, V1R1 | - V-72853, V-72859, V-72863, V-72923, V-72925, V-72929, V-72931, V-72933, V-72939, V-72947, V-72949, V-72957, V- | 26 January 2018 |

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| | | 72959, V-72961, V-72963, V-72965, V-72973, V-72981, V-72985, V-72987, V-72991, V-73015, V-73023, V-73025, V-73033, V-73037, V-73045, V-73047, V-73065, V-73069 - Replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72995 - Added not-a-finding statement to Check. <br> - V-73071 - Corrected product name in Check. <br> - V-72841 - Removed directive sudo su - postgres before postgres service restart (compare to V-72843); Changed $ systemctl restart postgresql-9.5 TO $ sudo systemctl restart postgresql-9.5; Changed $ service postgresql-9.5 restart TO $ sudo service postgresql-9.5 restart; Replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72843 - Changed postgres restart to reload; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72847 - Corrected missing apostrophe. <br> - V-72851 - Removed directive sudo su - postgres before postgres service reload (compare to V-72843); changed $ systemctl restart postgresql-9.5 TO $ sudo systemctl restart postgresql-9.5; changed $ service postgresql-9.5 restart TO $ sudo service postgresql-9.5 restart; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72885 - Corrected missing apostrophe. <br> - V-72887 - Changed postgres restart to reload; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72889 - Changed $ grep "client_min_messages" ${PGDATA?}/postgresql.conf to single line $ grep "client_min_messages" ${PGDATA?}/postgresql.conf <br> Corrected missing apostrophe. | |

**UNCLASSIFIED**

PostgreSQL 9.x STIG Revision History, V2R2                                                                    DISA
23 July 2021                                        Developed by Crunchy Data Solutions, Pivotal Software, and DISA for the DoD

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| | | - V-72897 - Added missing closing " to $ psql -c "CREATE SCHEMA test AUTHORIZATION bob.<br>- V-72901 - Changed "of the PostgreSQL" to "of the PostgreSQL software library".<br>- V-72905 - Removed trailing semi-colon in OR NOT proconfig IS NULL;" and SECURITY INVOKER;".<br>- V-72907 - Reconciled syntax CREAT in command with CRT in log lines; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-72909 - Changed $ vi 'log_destination' ${PGDATA?}/postgresql.conf to $ vi ${PGDATA?}/postgresql.conf; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-72915 - Corrected missing apostrophes; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-72919 - Removed `pgaudit` tick marks; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-72945 - Added trailing semi-colon to ALTER ROLE joe NOLOGIN as in ALTER ROLE joe NOLOGIN; changed log line output from drop role/DROP ROLE to alter role/ALTER ROLE to match SQL command.<br>- V-72953 - Fixed spacing and replaced semi-colons with commas or periods in: TRUNCATE TABLE;DELETE, or DELETE affecting more than n rows, for some n, or DELETE without a WHERE clause; UPDATE or UPDATE affecting more than n rows, for some n, or UPDATE without a WHERE clause; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-72955 - Removed `pgaudit` tick marks; Removed dollar sign from $9.5 in $ sudo systemctl reload postgresql-$9.5; Replaced all occurrences of 9.5 with ${PGVER?}. | |

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| | | - V-72971 - Removed `pgaudit` 3x, `role`, `read`, `write`, and `ddl`, `on` tick marks; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-72975 - Added trailing semi-colon to $ psql -c "SET ROLE bob; REVOKE ALL PRIVILEGES ON test FROM bob". <br> - V-72977 - Added trailing semi-colon to $ psql -c "CREATE ROLE bob; CREATE TABLE test(id INT)". <br> - V-72979 - Changed $ grep hostssl ${PGDATA?}/postgresql.conf to $ grep hostssl ${PGDATA?}/pg_hba.conf; Replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-73001 - Changed $ psql -c "SHOW logging_destination" to $ psql -c "SHOW log_destination". <br> - V-73005 - Removed quotes around "log_hostname"; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-73007 - Changed PostgreSQLs to PostgreSQL; changed $ psql -c "select * from pg_extension where extname != 'plpgsql';" TO $ psql -c "select * from pg_extension where extname != 'plpgsql'". <br> - V-73011 - Changed PostgreSQLs to PostgreSQL. <br> - V-73017 - Changed $ psql -c "REVOKE ALL PRIVILEGES ON <table> FROM <role_name>"; TO $ psql -c "REVOKE ALL PRIVILEGES ON <table> FROM <role_name>". <br> - V-73019 - Removed single quote in Next, review the current shared_preload_libraries'; replaced all occurrences of 9.5 with ${PGVER?}. <br> - V-73021 - Removed trailing semi-colon from: <br> pgaudit.log = 'write, ddl, role, read, function'; <br> pgaudit.log_relation = on; | |

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| | | Removed function from pgaudit.log = 'write, ddl, role, read, function' OR add to If pgaudit.log does not contain ddl, role, read, write, this is a finding. (reconcile); Replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73029 - Changed $ sudo systemctl restartpostgresql-9.5 TO $ sudo systemctl restart postgresql-9.5; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73039 - Removed trailing period after $ sudo chown -R root:root /usr/pgsql-9.5/share/contrib/pgaudit; Replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73041 - Added closing ) to As the database administrator (usually postgres, run the following SQL; Replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73043 - Fixed $ sudo chown -R root:root /usr/pgsql-9.5/share/contrib/pgaudit MATCH the check for /usr/pgsql-9.5/bin\|share\|include ? Replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73051 - Changed WHERE username to usename in SELECT pg_terminate_backend(pid) FROM pg_stat_activity WHERE username='<username>';<br>- V-73057 - Changed PostgreSQLs to PostgreSQL.<br>- V-73059 - Changed PostgreSQLs to PostgreSQL.<br>- V-73067 - Corrected incomplete finding statement; replaced all occurrences of 9.5 with ${PGVER?}.<br>- V-73071 - Replaced Postgres Plus Advanced Server with PostgreSQL.<br>- Updated release number and date. | |

**UNCLASSIFIED**

PostgreSQL 9.x STIG Revision History, V2R2                                                                    DISA
23 July 2021                                         Developed by Crunchy Data Solutions, Pivotal Software, and DISA for the DoD

| REVISION HISTORY | | | |
|---|---|---|---|
| **Revision Number** | **Document Revised** | **Description of Change** | **Release Date** |
| V1R1 | - PostgreSQL 9.x STIG | Initial Release. | |