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# **POSTGRESQL 9.X STIG REVISION HISTORY**

**Version 2, Release 3**

**27 July 2022**

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

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<b>REVISION HISTORY</b>			
<b>Revision Number</b>	<b>Document Revised</b>	<b>Description of Change</b>	<b>Release Date</b>
V2R3	- PostgreSQL 9.x STIG, V2R2	- PGS9-00-000500, PGS9-00-000800, PGS9-00-000900, PGS9-00-003200, PGS9-00-008300, PGS9-00-009500 - Changed severity to CAT 1. - PGS9-00-008000, PGS9-00-008200, PGS9-00-010200, PGS9-00-011400, PGS9-00-012300, PGS9-00-012800 - Cryptographic modules should require either FIPS 140-2 or FIPS 140-3 validation.	27 July 2022
V2R2	- PostgreSQL 9.x STIG, V2R1	- PGS9-00-008800 - Corrected log_line_prefix value in Fix text. - PGS9-00-009700 - Corrected log_line_prefix values in Check and Fix. - 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.  - PGS9-00-002500 - Updated client_min_messages setting. - 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. - 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". - 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

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V1R3	- PostgreSQL 9.x STIG, V1R2	- V-72851 - Updated Fix to include appropriate permission statement. - V-73067- Updated Check and Fix to ensure audit records generate when successful accesses to objects occur. - 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-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?}. - V-72995 - Added not-a-finding statement to Check. - V-73071 - Corrected product name in Check. - 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?}. - V-72843 - Changed postgres restart to reload; replaced all occurrences of 9.5 with \${PGVER?}. - V-72847 - Corrected missing apostrophe. - 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?}. - V-72885 - Corrected missing apostrophe.	26 January 2018

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		<ul style="list-style-type: none"> <li>- V-72887 - Changed postgres restart to reload; replaced all occurrences of 9.5 with <code>\${PGVER?}</code>.</li> <li>- V-72889 - Changed <code>\$ grep "client_min_messages" \${PGDATA?}/postgresql.conf</code> to single line <code>\$ grep "client_min_messages" \${PGDATA?}/postgresql.conf</code> Corrected missing apostrophe.</li> <li>- V-72897 - Added missing closing <code>"</code> to <code>\$ psql -c "CREATE SCHEMA test AUTHORIZATION bob.</code></li> <li>- V-72901 - Changed "of the PostgreSQL" to "of the PostgreSQL software library".</li> <li>- V-72905 - Removed trailing semi-colon in <code>OR NOT proconfig IS NULL;"</code> and <code>SECURITY INVOKER;"</code>.</li> <li>- V-72907 - Reconciled syntax <code>CREAT</code> in command with <code>CRT</code> in log lines; replaced all occurrences of 9.5 with <code>\${PGVER?}</code>.</li> <li>- V-72909 - Changed <code>\$ vi 'log_destination' \${PGDATA?}/postgresql.conf</code> to <code>\$ vi \${PGDATA?}/postgresql.conf</code>; replaced all occurrences of 9.5 with <code>\${PGVER?}</code>.</li> <li>- V-72915 - Corrected missing apostrophes; replaced all occurrences of 9.5 with <code>\${PGVER?}</code>.</li> <li>- V-72919 - Removed <code>`pgaudit`</code> tick marks; replaced all occurrences of 9.5 with <code>\${PGVER?}</code>.</li> <li>- V-72945 - Added trailing semi-colon to <code>ALTER ROLE joe NOLOGIN</code> as in <code>ALTER ROLE joe NOLOGIN</code>; changed log line output from <code>drop role/DROP ROLE</code> to <code>alter role/ALTER ROLE</code> to match SQL command.</li> <li>- V-72953 - Fixed spacing and replaced semi-colons with commas or periods in: <code>TRUNCATE TABLE;DELETE</code>, or <code>DELETE affecting more than n rows</code>, for some <code>n</code>, or <code>DELETE</code> without a <code>WHERE</code> clause; <code>UPDATE</code> or <code>UPDATE affecting</code></li> </ul>	

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		<p>more than n rows, for some n, or UPDATE without a WHERE clause; replaced all occurrences of 9.5 with \${PGVER?}.</p> <ul style="list-style-type: none"> <li>- 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?}.</li> <li>- V-72971 - Removed `pgaudit` 3x, `role`, `read`, `write`, and `ddl`, `on` tick marks; replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- V-72975 - Added trailing semi-colon to \$ psql -c "SET ROLE bob; REVOKE ALL PRIVILEGES ON test FROM bob".</li> <li>- V-72977 - Added trailing semi-colon to \$ psql -c "CREATE ROLE bob; CREATE TABLE test(id INT)".</li> <li>- V-72979 - Changed \$ grep hostssl \${PGDATA?}/postgresql.conf to \$ grep hostssl \${PGDATA?}/pg_hba.conf; Replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- V-73001 - Changed \$ psql -c "SHOW logging_destination" to \$ psql -c "SHOW log_destination".</li> <li>- V-73005 - Removed quotes around "log_hostname"; replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- 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'".</li> <li>- V-73011 - Changed PostgreSQLs to PostgreSQL.</li> <li>- V-73017 - Changed \$ psql -c "REVOKE ALL PRIVILEGES ON &lt;table&gt; FROM &lt;role_name&gt;"; TO \$ psql -c "REVOKE ALL PRIVILEGES ON &lt;table&gt; FROM &lt;role_name&gt;".</li> </ul>	

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		<ul style="list-style-type: none"> <li>- V-73019 - Removed single quote in Next, review the current shared_preload_libraries'; replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- V-73021 - Removed trailing semi-colon from: pgaudit.log = 'write, ddl, role, read, function'; pgaudit.log_relation = on; 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?}.</li> <li>- V-73029 - Changed \$ sudo systemctl restartpostgresql-9.5 TO \$ sudo systemctl restart postgresql-9.5; replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- 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?}.</li> <li>- V-73041 - Added closing ) to As the database administrator (usually postgres, run the following SQL; Replaced all occurrences of 9.5 with \${PGVER?}.</li> <li>- 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?}.</li> <li>- V-73051 - Changed WHERE username to username in SELECT pg_terminate_backend(pid) FROM pg_stat_activity WHERE username='&lt;username&gt;';</li> <li>- V-73057 - Changed PostgreSQLs to PostgreSQL.</li> </ul>	

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		<ul style="list-style-type: none"><li>- V-73059 - Changed PostgreSQLs to PostgreSQL.</li><li>- V-73067 - Corrected incomplete finding statement; replaced all occurrences of 9.5 with \${PGVER?}.</li><li>- V-73071 - Replaced Postgres Plus Advanced Server with PostgreSQL.</li><li>- Updated release number and date.</li></ul>	
V1R1	- PostgreSQL 9.x STIG	Initial Release.	