ORACLE DATABASE 12c STIG
REVISION HISTORY

Version 2, Release 6

26 January 2023

Developed by Oracle and DISA for the DOD

REVISION HISTORY			
Revision Number	**Document Revised**	**Description of Change**	**Release Date**
V2R6	- Oracle Database 12c STIG, V2R5	- O121-C2-003500 – Removed requirement; covered in O121-C2-002700. - O121-C2-011800 - Updated to exclude SYS from the query; fixed typo in vulnerability discussion. - Rule numbers updated throughout due to changes in content management system.	26 January 2023
V2R5	- Oracle Database 12c STIG, V2R4	- O121-C2-003500, O121-C2-016600 - Changed severity to CAT1. - O121-C2-006800, O121-C2-007400, O121-C2-007500, O121-C2-007600, O121-C2-007700, O121-C2-007800,O121-C2-007900, O121-C2-008000, O121-P3-006200 - Updated logic in finding statement for unitified auditing. - O121-C2-015200 - Corrected password life script. - O121-C2-015700, O121-C2-016600, O121-C2-016700 - Cryptographic modules should require either FIPS 140-2 or FIPS 140-3 validation.	27 July 2022
V2R4	- Oracle Database 12c STIG, V2R3	- O121-C2-001700, O121-C2-011900 - Corrected PPSM link. - O121-C2-001800, O121-C2-002700, O121-C2-014600, O121-C2-015700, O121-C2-018300 - Changed severity to CAT 1. - O121-C2-015200 - Corrected script error that occurs if default profile has PASSWORD_LIFE_TIME of UNLIMITED. - O121-C2-012900 - Corrected link for database security guide.	27 April 2022
V2R3	- Oracle Database 12c STIG, V2R2	- O121-BP-024750 - Reparenting to SRG-APP-000456-DB-000400.	27 January 2022
V2R2	- Oracle Database 12c STIG, V2R1	- O121-BP-026200 - Updated Check to system documentation. - O121-C2-015300, O121-C1-015400 - Updated check to state PKI must be enabled. - O121-C2-020300 - Removed requirement.	27 October 2021
V2R1	- Oracle Database 12c	- DISA migrated the Oracle Database 12c STIG to a new content management system.	23 April 2021

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	STIG, V1R18	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 V1R18 to V2R1. - O121-BP-024750 - Added requirement that version must be supported by the vendor. - O121-BP-021200, O121-BP-021300, O121-BP-021400, O121-BP-021500, O121-BP-021600, O121-BP-021700, O121-BP-021900, O121-BP-022000, O121-BP-022100, O121-BP-022200, O121-BP-022300, O121-BP-022400, O121-BP-022500, O121-BP-022600, O121-BP-022700, O121-BP-022800, O121-BP-022900, O121-BP-023000, O121-BP-023100, O121-BP-023200, O121-BP-023300, O121-BP-023600, O121-BP-023700, O121-BP-023800, O121-BP-023900, O121-BP-024000, O121-BP-024100, O121-BP-024200, O121-BP-025100, O121-BP-025101, O121-BP-025400, O121-BP-025500, O121-BP-025600, O121-BP-025800, O121-BP-026200, O121-BP-026300, O121-BP-026400, O121-BP-026500, O121-BP-026600, O121-C1-004500, O121-C1-011100, O121-C1-015000, O121-C1-019700, O121-C2-001700, O121-C2-001900, O121-C2-002000, O121-C2-003000, O121-C2-003500, O121-C2-003600, O121-C2-003700, O121-C2-003800, O121-C2-003900, O121-C2-004000, O121-C2-004100, O121-C2-004300, O121-C2-004400, O121-C2-004900, O121-C2-005000, O121-C2-006600, O121-C2-006700, O121-C2-008200, O121-C2-008300, O121-C2-010300, O121-C2-012300, O121-C2-012400, O121-C2-012500, O121-C2-013300, O121-C2-013800, O121-C2-013900, O121-C2-014000, O121-C2-	

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		014100, O121-C2-014200, O121-C2-014300, O121-C2-014400, O121-C2-014500, O121-C2-014900, O121-C2-015100, O121-C2-015200, O121-C2-016000, O121-C2-016100, O121-C2-016500, O121-C2-016600, O121-C2-016700, O121-C2-018600, O121-C2-019100, O121-C2-019600, O121-C2-020300, O121-OS-004600, O121-OS-011200 - Changed STIG_ID to match up with Database SRG. - O121-C2-015501 - Changed to DOD Approved certificates. - O121-C2-012900 - Changed to require integration with an organization-level authentication/access mechanism, and making CAT1. - O121-C2-007600 - Clarified standard vs. unified audit checks. - O121-C2-013000, O121-C2-013100, O121-C2-013200 - Combined with O121-C2-012900. - O121-C2-003400, O121-C2-016300, O121-C2-016400, O121-C3-003300 - Removed requirement - CCI has been withdrawn. - O121-C2-013600, O121-C2-013700 - Removed requirement - Checks for the sqlnet.ora settings are in several other requirements. - O121-C2-010100, O121-C2-010200 - Removed requirement - Combined with Audit tools and do not need to encryption unless the data requires it. - O121-C2-004200, O121-C2-004210 - Removed requirement - Duplicate. - O121-C2-018800 - Removed requirement - Monitoring already covered in SRG-APP-000133-DB-000179; plus, this is addressed at the OS level. - O121-P2-017400 - Removed requirement - Non-specific vendor documentation check.	

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		- O121-C2-012600 - Removed requirement - Not needed in a database STIG. - O121-C2-010000 - Removed requirement - Offloading to a central log server covers this. - O121-BP-021100, O121-BP-023400, O121-BP-023500, O121-BP-024300, O121-BP-024400, O121-BP-024500, O121-BP-024600, O121-BP-024700, O121-BP-024800, O121-BP-024900, O121-BP-025200, O121-BP-025300, O121-BP-026000, O121-BP-026100, O121-C2-008900, O121-C2-011400, O121-C2-017100, O121-N2-004701 - Removed requirement - Policy-based. - O121-C2-020400, O121-C2-020500, O121-C2-020600, O121-C2-020700 - Removed requirement - Redundant to audit requirements. As more account activity occurs at the org level, less should be database concerns. - O121-C2-001600, O121-C2-002200, O121-C2-002300, O121-C2-002400, O121-C2-002500, O121-C2-005600, O121-C2-009000, O121-C2-012000, O121-C3-008700, O121-C3-008800, O121-C3-019200, O121-C3-019300, O121-C3-019400, O121-P2-012700 - Removed requirement - Redundant. - O121-C2-012200 - Removed requirement - User information is included in database backups. - O121-C2-019800 - Removed requirement - Vague - No value added - O121-BP-022300, O121-BP-022500, O121-BP-022600 - Updated administrative privileges list. - O121-C2-011600 - Updated query in check content.	
V1R18	- Oracle Database 12c STIG, V1R17	- V-61421 - Added exemption for system generated SYS_PLSQL objects. - V-61523, V-61675 - Removed incorrect definition of "remote".	24 July 2020

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		- V-61615 - Combined with V-61953. - V-61647 - Removed requirement; same check as V-61645 (alert personnel of audit failure). - V-61717 - Changed inactive account check. - V-61853 - Changed requirement to check audit storage capacity. - V-61871 - Changed requirement to must off-load audit data to a separate log management facility.	
V1R17	- Oracle Database 12c STIG, V1R16	- V-61579 - Updated real-time alerts. - V-61559 - Update Temporary profile check. - V-61561 - Remove or disable temporary accounts after 72 hours. - V-61667 - Corrected check text. - V-61431 - Update password file permissions.	24 April 2020
V1R16	- Oracle Database 12c STIG, V1R15	- V-61433, V-61437, V-61439 - Updated administrative accounts list. - V-61543, V-61703, V-61705, V-61707, V-61709, V-61733, V-61737, V-61741, V-61743, V-61845 - Updated TLS version to 1.2. - V-61815 - Removed duplicate tcp valid node checking.	24 January 2020
V1R15	- Oracle Database 12c STIG, V1R14	- V-61431 - Added check for password file permissions. - V-61459 - Updated default usernames in the script. - V-61605 - Updated maximum failed login attempts to remove duplicate. - V-61607 - Removed duplicate failed login attempts. - V-61739 - Added approved by ISSO statement to check.	25 October 2019
V1R14	- Oracle Database 12c STIG, V1R13	- V-61723, V-61725, V- 61727, V-61729, V-61731 - Corrected ORA12C_STRONG_VERIFY_FUNCTION reference. - V-61535, V-61963 - Corrected fix text previously added to check text.	23 August 2019

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Revision Number	**Document Revised**	**Description of Change**	**Release Date**
V1R13	- Oracle Database 12c STIG, V1R12	- V-61627 - Corrected ACTION_NAME for Unified Auditing. - V-61635 - Corrected values in SYS.UNIFIED_AUDIT_TRAIL view. - V-61535 - Updated SQLNET.ALLOWED_LOGON_VERSION_SERVER/CLIENT Parameter. - V-61683 - Updated to exclude external executables owned by SYS. - V-61963 - Added Oracle Optimal Flexible Architecture. - V-61719 - Corrected ORA12C_STRONG_VERIFY_FUNCTION reference. - V-61579 - Added instructions to disable ora_dism. - V-61709 - Corrected non-privileged accounts prefix. - V-61641 - Corrected unified auditing typo.	26 July 2019
V1R12	- Oracle Database 12c STIG, V1R11	- V-61739 – Removed SRG reference from Check content and Fix Text.	25 January 2019
V1R11	- Oracle Database 12c STIG, V1R10	- V-61633 - Added information on how to check in a Unified Audit environment. - V-61773 - Redundant requirement deleted. Covered by V-61771.	26 October 2018
V1R10	- Oracle Database 12c STIG, V1R9	- V-61545 – Added SHA-1 text. - V-61713 – Added SHA-1 text. - V-61715 – Added SHA-1 text.	27 April 2018
V1R9	- Oracle Database 12c STIG, V1R8	- Release number and date updated. - V-61415 - Modified Check to accommodate changes in 12c. - V-61439 - Removed a dead reference to O121-BP-021800. - V-61523 - Clarified "Remote Administration". Modified Check and Fix accordingly. - V-61539 - Corrected opatch syntax; improved Check to avoid false negatives. - V-61545 - CCI updated. - V-61571 - Changed CHANGE PASSWORD to ALTER USER.	26 January 2018

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Revision Number	**Document Revised**	**Description of Change**	**Release Date**
		- V-61645 - Redundant, superseded Rule removed. - V-61739 - Modified Discussion, Check, and Fix with respect to PASSWORD_GRACE_TIME. - V-61741 - Added a not-a-finding statement to Check. - V-61759 - Redundant, superseded Rule removed. - V-61769 - Made it OK not to set archive mode where databases used solely for ETL are concerned. - V-61771 - Added not-a-finding statement to Check. - V-61861 - Replaced DBA_USERS with SYS.USER$ in Check; Deleted. Requirement has been removed from SRG. - V-61863 - Deleted. Requirement has been removed from SRG. - V-61865 - Modified to permit disabling online login rather than disabling the account, since the same account may be required both for installation and for running the DBMS. - V-61965 - Changed not a finding to not applicable (NA). - Updated release date. - Corrected dead references.	
V1R8	- Oracle Database 12c STIG, V1R7	- Release number and date updated. - V-61417 - Modified rule title to make the requirement compatible with cloud computing. - V-61453 - Modified wording to require obfuscation before data transfer, rather than after. - V-61571, V-61625 - Modified wording to acknowledge the limits of auditing the disabling of accounts. - V-61643 - Linked requirement to a second CCI.	28 July 2017
V1R7	- Oracle Database 12c STIG, V1R6	- Release number and date updated. - V-61589 - Check: provided more detail on how to review user privileges to system	28 April 2017

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		tables and configuration data stored in the database.	
		- V-61593 - Check: provided more detail on how to review permissions for objects owned by DBA or other administrative accounts.	
		- V-61595 - Check: provided more detail on how to review auditing configuration.	
		- V-61599 - Check: provided more detail on how to review access permissions for objects owned by application owners or other non-administrative users.	
		- V-61601 - Check: provided more detail on how to validate that OS accounts used by the DBMS have only the privileges necessary to perform the required functionality.	
		- V-61645 - Check: reworded text on checking if real-time alerts are being sent upon auditing failure. Discussion and Fix: Added mention of Oracle Enterprise Manager.	
		- V-61647 - Check: removed reference to "DBMS," as the required functionality is not part of Oracle Database, and must be sourced externally. Fix: Added mention of Oracle Enterprise Manager.	
		- V-61649 - Reworded Discussion, Check and Fix to acknowledge that audit trail reduction is not provided by Oracle, and must be sourced externally.	
		- V-61693 - Rule Title: Modified to make clear that this is a requirement that backups must actually be done. Check: added mention of V$RMAN_STATUS view.	
		- V-61769 - Check: provided more detail on how to check DBMS settings to determine whether system state information is being preserved in the event of a system failure.	
		- V-61417 - Severity lowered to Category III.	

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Revision Number	**Document Revised**	**Description of Change**	**Release Date**
		- V-61467 - Check query modified to achieve the desired result of excluding accounts which only own synonyms. - V-61521 - Non-SRG requirement removed. Oracle informs us that there is really no way to do this using Oracle's technical features. - V-61759 - Added information on non-default locations for FIPS.ora. - V-61505 - Non-SRG requirement removed. - Release number and date updated. - Corrected revision history for January 2017. V-61761 was not deleted. V-61767 was deleted.	
V1R6	- Oracle Database 12c STIG, V1R5	- Release number and date updated. - V-61755, V-61753 - Reworded Discussion: the discretion of the information owner is bounded by the applicable rules, policies and law. - V-61545, V-61713, 61715 - Check: wording added to emphasize that the parameters and values shown are examples, not mandatory in all cases. - V-61591 - Check: corrected SQL syntax error. - V-61609, V-61811 - Requirement for USG warning banner removed, for consistency with current Database SRG and other DBMS product STIGs. - V-61677 - Changes to Check, for clarity. Deleted Account Status from the list of demo accounts. Changed layout of the list. Some additional wording changes. - V-61691, V-61767 - Deleted. Oracle inherently meets this requirement. - V-61809 - Check: improved query.	27 January 2017
V1R5	- Oracle Database 12c STIG, V1R4	- Release number and date updated. - V-61423 - Obsolete requirement removed. - V-61433, V-61437, V-61439, V-61445, V-61461, V-61467 - Check revised to avoid false positives and false negatives.	28 October 2016

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		- V-61515, V-61535, V-61543, V-61545, V-61609, V-61667, V-61703, V-61705, V-61707, V-61709, V-61713, V-61715, V-61733, V-61737, V-61741, V-61743, V-61759, V-61765, V-61811, V-61815, V-61845. - Modified mention of location of sqlnet.ora. - V-61527, V-61565, V-61569, V-61571, V-61573 - Modified Check query and Fix instructions. - V-61559 - Reworded to remove conflict with V-61603. Added finding statement to Check. - V-61611 - Deleted - duplicate of V-61811. - V-61667, V-61773 - Added warning: Do not attempt to encrypt SYSTEM table space. - V-61737, V-61785, V-61791, V-61793, V-61815, V-61843, V-61887 - Added acknowledgment that DBA may have limited scope to address the issue, and advice on how to proceed.	

| V1R4 | - Oracle Database 12c STIG, V1R3 | - Release number and date updated.
- V-61433 - SYSKM added to the list of accounts excluded from the check.
- V-61437 - Check modified to reduce false positives.
- V-61459 - Queries added to Check and Fix to look for and set default values.
- V-61461 - Check modified for more accurate results.
- V-61517 - Redundant requirement deleted.
- V-61523 - Added mention of VPN to Check and Fix.
- V-61527 - Reworded to clarify that Oracle Label Security is an option, not mandatory.
- V-61543 - "Not a finding" statement added to beginning of Check.
- V-61557 - Check reworded to be more specific; Requirement statement and Fix text modified slightly.
- V-61561 - Reworded check for clarity.
- V-61563 - Deleted: duplicate of V-61717.
- V-61591 - New Check query. Vulnerability Discussion slightly reworded.
- V-61673 - Removed mention of "Definer's rights," as it distracted from the core of the Requirement.
- V-61677 - Modified Check query to reduce false positives; added NA statement.
- V-61679 - Reference to V$OPTION changed to refer to DBA_REGISTRY.
- V-61681 - Check and Fix text and code modified to be more specific to the issue.
- V-61717 - Reworded requirement, check and fix for clarity and brevity. CCI added.
- V-61773 - Removed encryption exception where physical protection in effect.
- V-61809 - New Check query. Rule Title reworded.
- V-61815 - Modified wording in Fix, for clarity.
- V-61817 - Reworded for better alignment of Requirement, Discussion, Check and Fix.
- V-61867 - Clarified; split into two requirements.
- V-61965 - Reworded Check: not a finding if audit records go directly to an audit server. | 22 July 2016 |

REVISION HISTORY			
Revision Number	**Document Revised**	**Description of Change**	**Release Date**
		- V-68863 - Split off from V-61867.	
V1R3	- Oracle Database 12c STIG, V1R2	- Release number and date updated. - V-61421 - Query corrected. - V-61431 - Query corrected. - V-61431 - Query corrected. - V-61449 - Reworded for clarity. - V-61467 - Query corrected. - V-61521 - Reworded to accommodate practical limitations. - V-61527 - Reworded for clarity. - V-61547 - Requirement deleted. - V-61549 - Requirement deleted. - V-61551 - Requirement deleted. - V-61561 - Query corrected. - V-61563 - Query corrected. - V-61563 - Wording corrected. - V-61603 - Wording corrected. - V-61605 - Wording corrected. - V-61607 - Wording corrected. - V-61625 - Query corrected. - V-61685 - Reworded for clarity. - V-61815 - Configuration parameter name corrected. - V-61817 - Wording corrected. - V-61819 - Wording corrected. - V-61967 - Wording corrected.	22 April 2016
V1R2	- Oracle Database 12c STIG, V1R1	- Release number and date updated. - Added Section 1.8, Product Approval Disclaimer. - V-61441 - Fixed bad character in UNIX command. - V-61447, V-61531, V-61653, V-61721, V-61737, V-61797, V-61799, V-61801, V-61803 - Reworded for clarity. - V-61449 - Reworded to allow for exceptions when the job is created by Oracle itself. - V-61745, V-61861 - Permit exceptions for SYS, SYSBACKUP, SYSDG, and SYSKM. - V-61757 - Updated code sample.	22 January 2016

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V1R1	- Oracle Database 12c STIG	Initial Release.	