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ORACLE DATABASE 11.2g STIG REVISION HISTORY

Version 2, Release 3

27 January 2022

Developed by Oracle and DISA for the DoD

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REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
V2R3	- Oracle Database 11.2g STIG, V2R2	- O112-BP-024750 - Reparenting to SRG-APP-000456-DB-000400.	27 January 2022
V2R2	- Oracle Database 11.2g STIG, V2R1	- O112-C2-015300, O112-C1-015400 - Updated check to state PKI must be enabled.	27 October 2021
V2R1	- Oracle Database 11.2g STIG, V1R19	<p>DISA migrated the Oracle Database 11.2g 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 V1R19 to V2R1.</p> <p>- O112-BP-024750 - Added requirement that version must be supported by the vendor.</p> <p>- O112-BP-021200, O112-BP-021300, O112-BP-021400, O112-BP-021500, O112-BP-021600, O112-BP-021700, O112-BP-021900, O112-BP-022000, O112-BP-022100, O112-BP-022200, O112-BP-022300, O112-BP-022400, O112-BP-022500, O112-BP-022600, O112-BP-022700, O112-BP-022800, O112-BP-022900, O112-BP-023000, O112-BP-023100, O112-BP-023200, O112-BP-023300, O112-BP-023600, O112-BP-023700, O112-BP-023800, O112-BP-023900, O112-BP-024000, O112-BP-024100, O112-BP-024200, O112-BP-025101, O112-BP-025400, O112-BP-025500, O112-BP-025600, O112-BP-025800, O112-BP-026200, O112-BP-026300, O112-BP-026400, O112-BP-026500, O112-BP-026600, O112-C1-004500, O112-C1-011100, O112-C1-015000, O112-C1-019700, O112-C2-001700, O112-C2-001900, O112-C2-002000, O112-C2-003000, O112-C2-003500, O112-C2-003600, O112-C2-003700, O112-C2-003800, O112-C2-003900, O112-C2-004000, O112-C2-004100, O112-C2-004300, O112-C2-004400, O112-C2-004900, O112-C2-005000,</p>	23 April 2021

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		<p>O112-C2-006600, O112-C2-006700, O112-C2-008200, O112-C2-008300, O112-C2-010300, O112-C2-012300, O112-C2-012400, O112-C2-012500, O112-C2-013300, O112-C2-013800, O112-C2-013900, O112-C2-014000, O112-C2-014100, O112-C2-014200, O112-C2-014300, O112-C2-014400, O112-C2-014500, O112-C2-014900, O112-C2-015100, O112-C2-015200, O112-C2-016000, O112-C2-016100, O112-C2-016500, O112-C2-016600, O112-C2-016700, O112-C2-018600, O112-C2-019100, O112-C2-019600, O112-C2-020300, O112-OS-004600, O112-OS-011200, O112-P2-008100, O121-C2-002000 - Changed STIG_ID to match up with Database SRG.</p> <p>- O112-C2-012900 - Changed to require integration with an organization-level authentication/access mechanism and upgraded to CAT1.</p> <p>- O112-C2-013000, O112-C2-013100, O112-C2-013200 - Combined with O112-C2-012900.</p> <p>- O112-C2-003400, O112-C2-016300, O112-C2-016400, O112-C3-003300 - Removed requirement - CCI has been withdrawn.</p> <p>- O112-C2-013600, O112-C2-013700 - Removed requirement - Checks for the sqlnet.ora settings are in several other requirements.</p> <p>- O112-C2-010100, O112-C2-010200 - Removed requirement - Combined with Audit tools and do not need to encrypt unless the data requires it.</p> <p>- O112-C2-002200, O112-C2-002300, O112-C2-002400, O112-C2-002500, O112-C2-004200, O112-C2-004210, O112-C2-005600, O112-C2-005700, O112-C2-008500, O112-C3-008700, O112-C3-008800 - Removed requirement - Duplicate.</p> <p>- O112-C2-018800 - Removed requirement - Monitoring already covered in SRG-APP-000133-DB-000179; also, this is covered at the OS level.</p>	

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		<ul style="list-style-type: none"> - O112-P2-017400 - Removed requirement - Non-specific vendor documentation check. - O112-C2-012600 - Removed requirement - Not needed in a database STIG. - O112-C2-010000 - Removed requirement - Offloading to a central log server covers this. - O112-BP-021100, O112-BP-023400, O112-BP-023500, O112-BP-024300, O112-BP-024400, O112-BP-024500, O112-BP-024600, O112-BP-024700, O112-BP-024800, O112-BP-024900, O112-BP-025200, O112-BP-025300, O112-BP-026000, O112-BP-026100, O112-C2-005200, O112-C2-008900, O112-C2-009000, O112-C2-011400, O112-C2-017100, O112-C2-017700, O112-C2-018400, O112-C3-020200, O112-N2-004701, O112-P2-008100 - Removed requirement - Policy-based. - O112-C2-020400, O112-C2-020500, O112-C2-020600, O112-C2-020700 - Removed requirement - Redundant to audit requirements. As more account activity occurs at the org level, less should be database concerns. - O112-C2-012000, O112-C3-019200, O112-C3-019300, O112-C3-019400, O112-P2-012700, O112-C2-001600 - Removed requirement - Redundant. - O112-C2-012200 - Removed requirement - User information is included in database backups. - O112-C2-019800 - Removed requirement - Vague - No value added. 	
V1R19	- Oracle Database 11.2g STIG, V1R18	- V-52269 - Changed inactive account check.	24 July 2020
V1R18	- Oracle Database 11.2g STIG, V1R17	- V-53981 - Update password file permissions.	24 April 2020

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Revision Number	Document Revised	Description of Change	Release Date
V1R17	- Oracle Database 11.2g STIG, V1R16	- V-52345, V-52351 - Removed fix text content in check text. - V-52255, V-52257, V-52259, V-52285, V-52289, V-52293, V-52295, V-52331, V-52397, V-75031 - Updated TLS version to 1.2.	24 January 2020
V1R16	- Oracle Database 11.2g STIG, V1R15	- V-53981 - Added check for password file permissions.	25 October 2019
V1R15	- Oracle Database 11.2g STIG, V1R14	- V-52345 - Updated the Check and Fix. - V-52351 - Added DEFAULT profile check. - V-52237 - Updated to exclude external executables owned by SYS. - V-75031 - Corrected non-privileged accounts prefix. - V-54077 - Updated SQLNET.ALLOWED_LOGON_VERSION Parameter.	26 July 2019
V1R15	- Oracle Database 11.2g STIG Overview	- Section 1.4 updated to reflect new DoD Cyber Exchange Information	26 July 2019
V1R14	- Oracle Database 11.2g STIG Overview	- V-52327 - Updated check to command vs SQL statement.	27 July 2018
V1R13	- Oracle Database 11.2g STIG, V1R12	- V-52141 - Made it OK not to set archive mode when databases used solely for ETL are concerned. - V-52143 - Added not-a-finding statement to Check. - V-52291 - Modified Discussion, Check, and Fix with respect to PASSWORD_GRACE_TIME. - V-52293 - Added a not-a-finding statement to Check. - V-52327 - Improved Check to avoid false negatives. - V-52333 - CCI updated.	26 January 2018

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Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none"> - V-52411 - Replaced DBA_USERS with SYS.USER\$ in Check; Deleted. Requirement has been removed from SRG. - V-52413 - Deleted. Requirement has been removed from SRG. - V-52425 - 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-54055 - Clarified "Remote Administration". - V-57615 - Changed not a finding to not applicable (NA). Removed TRUE from list of acceptable values. 	
V1R13	- Oracle Database 12c STIG Supplemental: Non-default sqlnet.ora configurations	- Corrected dead references.	26 January 2018
V1R12	- Oracle Database 11.2g STIG, V1R11	<ul style="list-style-type: none"> - Release number and date updated. - V-52159 - Linked requirement to a second CCI. - V-52361, V-52469 - Modified wording to acknowledge the limits of auditing the disabling of accounts. - V-53967 - Modified rule title to make the requirement compatible with cloud computing. - V-54003 - Modified wording to require obfuscation before data transfer, rather than after. - V-75031 - Replaces V-52261, which was accidentally deleted. 	28 July 2017
V1R11	- Oracle Database 11.2g STIG, V1R10	<ul style="list-style-type: none"> - Release number and date updated. - V-52379 - Check: provided more detail on how to review user privileges to system tables and configuration data stored in the database. - V-52387 - Check: provided more detail on how to review permissions for objects owned by DBA or other administrative accounts. 	28 April 2017

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		<ul style="list-style-type: none"> - V-52393 - Check: provided more detail on how to review access permissions for objects owned by application owners or other non-administrative users. - V-52399 - 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-52163 - 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-52167 - 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-52171 - Reworded Rule Title, Discussion, Check, and Fix to acknowledge that audit trail reduction is not provided by Oracle and must be sourced externally. - V-52245 - 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-52141 - 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-53967 - Severity lowered to Category III. - V-54017 - Check query modified to achieve the desired result of excluding accounts which only own synonyms. - V-54053 - Non-SRG requirement removed. Oracle informs us that there is really no way to do this using Oracle's technical features. - V-54035 - Non-SRG requirement removed. 	
V1R10	- Oracle Database 11.2g STIG, V1R9	<ul style="list-style-type: none"> - Release number and date updated. - V-52305, V-52303 - Reworded Discussion: the discretion of the information owner is bounded by the applicable rules, policies, and law. 	27 January 2017

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		<ul style="list-style-type: none"> - V-52139 - Deleted. Oracle inherently meets this requirement. - V-52203 - Check: improved query. - V-52207, V-52439 - Requirement for USG warning banner removed, for consistency with current Database SRG and other DBMS product STIGs. - V-52231 - Changes to Check, for clarity. Deleted Account Status from the list of demo accounts. Changed layout of the list. Some additional wording changes. - V-52243 - Deleted. Oracle inherently meets this requirement. - V-52265, V-52267, V-52333 - Check: wording added to emphasize that the parameters and values shown are examples, not mandatory in all cases. - V-54077 - Minimum logon version changed from 10 to 11. 	
V1R9	- Oracle Database 11.2g STIG, V1R8	<ul style="list-style-type: none"> - Release number and date updated. - V-52145, V-52211 - Added warning: Do not attempt to encrypt SYSTEM table space. - V-52165, V-52177, V-52181, V-52217, V-52289, V-52395, V-52465 - Added acknowledgment that DBA may have limited scope to address the issue, and advice on how to proceed. - V-52237 - Check modified for better alignment with requirement. - V-53983, V-53987, V-53989, V-53995, V-54011, V-54017 - Check revised to avoid false positives and false negatives. - V-53999 - Corrected reference to Oracle documentation. - V-52135, V-52207, V-52211, V-52217, V-52255, V-52257, V-52259, V-52261, V-52265, V-52267, V-52285, V-52289, V-52293, V-52295, V-52331, V-52333, V-52397, V-52439, V-54047, V-54077 - Modified mention of location of sqlnet.ora. - V-52351 - Reworded to remove conflict with V-52407. Added finding statement to Check. 	28 October 2016

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V1R8	- Oracle Database 11.2g STIG, V1R7	<ul style="list-style-type: none"> - Release number and date updated. - V-52145 - Removed encryption exception where physical protection in effect. - V-52203 - New Check query. Rule Title reworded. - V-52217 - Modified wording in Fix, for clarity. - V-52221 - Reworded for better alignment of Requirement, Discussion, Check, and Fix. - V-52223 - Removed mention of "Definer's rights," as it distracted from the core of the Requirement. - V-52231 - Modified Check query to reduce false positives; added NA statement. - V-52233 - Reference to V\$OPTION changed to refer to DBA_REGISTRY. - V-52235 - Check and Fix text and code modified to be more specific to the issue. - V-52255 - Sample code modified with respect to SHA version. - V-52257 - Sample code modified with respect to SHA version. - V-52259 - Sample code modified with respect to SHA version. - V-52261 - Sample code modified with respect to SHA version. - V-52265 - Sample code modified with respect to SHA version. Lines reordered for clarity. - V-52267 - Sample code modified with respect to SHA version. Lines reordered for clarity. - V-52269 - Reworded requirement, check and fix for clarity and brevity. CCI added. - V-52331 - "Not a finding" statement added to beginning of Check. - V-52333 - Sample code modified with respect to SHA version. Lines reordered for clarity. - V-52349 - Check reworded to be more specific; Requirement statement and Fix text modified slightly. - V-52353 - Reworded check for clarity. - V-52355 - Deleted: duplicate of V-52269. - V-52383 - New Check query. Vulnerability Discussion slightly reworded. 	22 July 2016

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		<ul style="list-style-type: none"> - V-52427 - Clarified; split into two requirements - V-54009 - Queries added to Check and Fix to look for and set default values. - V-54011 - Check modified for more accurate results. - V-54049 - Redundant requirement deleted. - V-54055 - Added mention of VPN to Check and Fix. - V-54069 - Reworded to clarify that Oracle Label Security is an option, not mandatory. - V-57615 - Reworded Check: not a finding if audit records go directly to an audit server. - V-68861 - Split off from V-52427. 	
V1R7	- Oracle Database 11.2g STIG, V1R6	<ul style="list-style-type: none"> - V-52217 - Configuration parameter name corrected. - V-52339 - Requirement deleted. - V-52341 - Requirement deleted. - V-52343 - Requirement deleted. - V-53971 - Query corrected. - V-53981 - Query corrected. - V-53999 - Reworded for clarity. - V-54053 - Reworded to accommodate practical limitations. - V-54069 - Reworded for clarity. - V-60141 - Reworded for clarity. 	22 April 2016
V1R6	- Oracle Database 11.2g STIG, V1R5 - Oracle Database 11.2g STIG Overview	<ul style="list-style-type: none"> - V-52187, V-52191, V-52195, V-52199. - Reworded for clarity. - V-52307 - Removed reference to in-band management; updated code sample. - V- 52357 - Check query modified. - V-52411, V-53281 - Permit exception for SYS. - V- 53991 - Fixed bad character in UNIX command. - Added Section 1.8, Product Approval Disclaimer. 	22 January 2016
V1R5	- Oracle Database 11.2g	<ul style="list-style-type: none"> - V-52137 - Reworded for clarity and specificity. - V-52179 - Reworded for clarity. - V-52227 - Reworded for specificity. 	23 October 2015

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	STIG, V1R4	<ul style="list-style-type: none"> - V-52273 - Reworded for clarity. - V-52289 - Reworded for clarity. - V-52305 - Reversed earlier changes that should not have been included for this release of Oracle. - V-52407 - Corrected CCI reference. - V-53995 - Syntax error corrected. - V-53997 - Reworded for clarity. - V-53999 - Reworded to allow for exceptions when the job is created by Oracle itself. - V-54073 - Reworded for clarity. 	
V1R4	- Oracle Database 11.2g STIG, V1R3	<ul style="list-style-type: none"> - V-52125 - Reworded to be more specific. - V-52149 - Modified wording. - V-52207 - Modified wording to acknowledge Oracle's size limitation for banner. - V-52217 - Reworded for clarity. - V-52223 - Reworded. - V-52233 - Check modified. - V-52235 - Check modified. - V-52237 - Rule title modified. - V-52255 - Updated to reflect currently required TLS/SSL version. - V-52255 - Check and Fix reworded. - V-52257 - Updated to reflect currently required TLS/SSL version. - V-52257 - Check and Fix reworded. - V-52259 - Updated to reflect currently required TLS/SSL version. - V-52259 - Check and Fix reworded. - V-52261 - Updated to reflect currently required TLS/SSL version. - V-52261 - Check and Fix reworded. - V-52265 - Discussion and Check reworded. - V-52265 - Check and Fix reworded. - V-52267 - Discussion and Check reworded. - V-52267 - Check and Fix reworded. - V-52285 - Updated to reflect currently required TLS/SSL version. - V-52289 - Updated to reflect currently required TLS/SSL version. - V-52291 - Added guidance on exceptions to the rule. 	24 July 2015

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	- Oracle Database 11.2g STIG Overview	<ul style="list-style-type: none"> - V-52293 - Updated to reflect currently required TLS/SSL version. - V-52293 - Check and Fix reworded. - V-52295 - Updated to reflect currently required TLS/SSL version. - V-52295 - Check reworded. - V-52297 - Check and Fix reworded. - V-52305 - Reworded for clarity. - V-52329 - Reworded to allow for system restrictions on password change for XS\$NULL. - V-52331 - Updated to reflect currently required TLS/SSL version. - V-52331 - Check and Fix reworded. - V-52339 - Check reworded. - V-52341 - Check reworded. - V-52343 - Check reworded. - V-52351 - Modified wording. - V-52353 - Modified wording. - V-52389 - Reworded for clarity. - V-52397 - Updated to reflect currently required TLS/SSL version. - V-52407 - Removed erroneous mitigation. - V-52439 - Modified wording to acknowledge Oracle's size limitation for banner. - V-52443 - Deleted - duplicate of V-52207. - V-53997 - Fix reworded. - V-54067 - Check reworded. - V-59855 - Requirement split off from V-52389. - V-60141 - Requirement added. <p>- Added section 1.7.</p>	
V1R3	- Oracle Database 11.2g STIG, V1R2	<ul style="list-style-type: none"> - V-52283 - Reworded for clarity. - V-52379 - Wording and code changed for clarity and accuracy. - V-52431 - Reworded for clarity. - V-52435 - Reworded for clarity. - V-53979 - Reference to parameter sql92 security corrected. 	24 April 2015

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	- Oracle Database 11.2g STIG Overview	<ul style="list-style-type: none"> - V-53983 - Reworded for clarity. - V-52333 - Recommended settings modified for FIPS 140-2 compliance. - V-52339 - Recommended settings modified for FIPS 140-2 compliance. - V-52341 - Recommended settings modified for FIPS 140-2 compliance. - V-52343 - Recommended settings modified for FIPS 140-2 compliance. - V-57617 - Removed. Duplicate of V-53967. - V-57619 - Removed. Duplicate of V-53969. - Modified references to "DISA FSO" to reflect DISA reorganization. - Updated document release number and date. - Updated STIG support desk email address. 	
V1R2	- Oracle Database 11.2g STIG, V1R1	<ul style="list-style-type: none"> - Modified Check Content and Fix Text to allow for OS-based audit logging, in each of: V-52151, V-52155, V-52195, V-52199, V-52211, V-52215, V-52229, V-52345, V-52357, V-52359, V-52361, V-52363, V-52463, V-52465, V-52471, V-52473, V-52475, V-52477, V-52479. - V-52217 - Removed instructions to set Listener password and change the TNS port number, because they conflict with DoD requirements. - V-52309 - Reworded for clarity. - V-52337 - Modified the definition of maximum logins per user. - V-52463 - Added DoD list of auditable events to Discussion. - V-53989 - Corrected the STIG ID in a reference to another requirement. - V-54037 - Removed. - V-52469 - Provided definition of the "DoD-selected list of auditable events." - V-57615 - Added. - V-57617 - Added. - V-54039 - Added. 	23 January 2015