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ORACLE DATABASE 12*c* STIG REVISION HISTORY

Version 1, Release 16

24 January 2020

Developed by Oracle and DISA for the DoD

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REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
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
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.	26 July 2019

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Revision Number	Document Revised	Description of Change	Release Date
		- V-61641 - Corrected unified auditing typo.	
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. - 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.	26 January 2018

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Revision Number	Document Revised	Description of Change	Release Date
		<p>Requirement has been removed from SRG.</p> <ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Release number and date updated. - V-61589 - Check: provided more detail on how to review user privileges to system 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. 	28 April 2017

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Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none"> - 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. - 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. 	

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		<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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

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V1R5	- Oracle Database 12c STIG, V1R4	<ul style="list-style-type: none"> - 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. - 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. 	28 October 2016

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Revision Number	Document Revised	Description of Change	Release Date
V1R4	- Oracle Database 12c STIG, V1R3	<ul style="list-style-type: none"> - 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. 	22 July 2016

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		<ul style="list-style-type: none"> - 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. - V-68863 - Split off from V-61867. 	
V1R3	- Oracle Database 12c STIG, V1R2	<ul style="list-style-type: none"> - 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

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
V1R2	- Oracle Database 12c STIG, V1R1	<ul style="list-style-type: none">- 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
V1R1	- Oracle Database 12c STIG	Initial Release.	