

UNCLASSIFIED



MICROSOFT (MS) SQL SERVER 2016 STIG REVISION HISTORY

02 July 2025

Developed by Microsoft and DISA for the DOD

UNCLASSIFIED

REVISION HISTORY		
Document Revised	Description of Change	Release Date
- MS SQL Server 2016 Instance STIG, V3R4	MS SQL Server 2016 Instance STIG, V3R5: - SQL6-D0-007900 - Updated to exclude internal logins such as “##MS_SSISServerCleanupJobLogin##”.	02 July 2025
- MS SQL Server 2016 Database STIG, V3R2	MS SQL Server 2016 Database STIG, V3R3: - SQL6-D0-000100 - Rule number updated due to changes in content management system. - SQL6-D0-000300 - Updated title to properly reflect “Database”; updated Check.	
- MS SQL Server 2016 Instance STIG, V3R3	MS SQL Server 2016 Instance STIG, V3R4: - SQL6-D0-010100 - Reworded logic before proceeding to trace flag 3625 setting.	02 April 2025
- MS SQL Server 2016 Instance STIG, V3R2	MS SQL Server 2016 Instance STIG, V3R3: - SQL6-D0-008200 - Added statement to Check Text that requirement is Not Applicable if using Windows Authentication. - Rule numbers updated throughout due to changes in content management system.	30 January 2025
- MS SQL Server 2016 Instance STIG, V3R1	MS SQL Server 2016 Instance STIG, V3R2: - SQL6-D0-003600 - Added alternative to using a trigger. - SQL6-D0-003700 - Changed wording for documentation and approval . - SQL6-D0-003900 - Updated supplemental script “Instance permissions assignments to logins and roles.sql”. - SQL6-D0-007500 - Updated link server query to reduce false positives. - SQL6-D0-007900 - Removed reference to Windows STIG. - SQL6-D0-008200 - Updated Check. - SQL6-D0-010100- Added Trace Flag to Check and Fix content. Updated title. - SQL6-D0-010900 - Corrected logic for the finding statement regarding max_files. - SQL6-D0-014600 - Corrected typo.	24 October 2024
- MS SQL Server 2016 Database STIG, V3R1	MS SQL Server 2016 Database STIG, V3R2: - SQL6-D0-000300 - Updated supplemental script “Database permission assignments to users and roles.sql”. Updated language in check. - SQL6-D0-003300, SQL6-D0-003400 - Changed Data at Rest requirement to a severity of CAT 1.	

REVISION HISTORY		
Document Revised	Description of Change	Release Date
	- SQL6-D0-000100 - Changed wording for container databases.	
- MS SQL Server 2016 Instance STIG, V2R11 - MS SQL Server 2016 Database STIG, V2R8	MS - SQL Server 2016 Instance STIG, V3R1: - SQL6-D0-007900, SQL6-D0-008000, SQL6-D0-011800 - Updated based on NIST SP 800-53 Rev. 5 changes. - SQL6-D0-010700, SQL6-D0-010800 - Removed based on NIST SP 800-53 Rev. 5 changes. - SQL6-D0-018300 - Updated Check and Fix to replace incorrect language. MS SQL Server 2016 Database STIG, V3R1: - SQL6-D0-003000 - Updated based on NIST SP 800-53 Rev. 5 changes. -Because this is a major revision, version numbers were incremented to the next whole number. - Rule numbers updated throughout due to changes in content management system.	24 July 2024
- MS SQL Server 2016 Instance STIG, V2R11 - MS SQL Server 2016 Database STIG, V2R8	MS SQL Server 2016 Instance STIG, V2R12: - SQL6-D0-018300 - Added requirement that product must be supported by the vendor. - SQL6-D0-003600 - Corrected syntax error in script. - SQL6-D0-007900 - Revised to ensure password settings are inherited from the OS. - SQL6-D0-009600, SQL6-D0-009700 - Clarified that keys should be backed up to a secure location. - SQL6-D0-009900 - Reworded logic for when IFI is not being used. MS SQL Server 2016 Database STIG, V2R9: - SQL6-D0-001800 - Clarified that keys should be backed up to a secure location.	24 April 2024
- MS SQL Server 2016 Instance STIG, V2R10 - MS SQL Server 2016 Database STIG, V2R7	MS SQL Server 2016 Instance STIG, V2R11: - SQL6-D0-004100 - Changed severity to CAT 2. - SQL6-D0-018300 - Added requirement that product must be supported by the vendor. MS SQL Server 2016 Database STIG, V2R8: - SQL6-D0-000400, SQL6-D0-000600 - Changed severity to CAT 2.	24 January 2024

REVISION HISTORY		
Document Revised	Description of Change	Release Date
- MS SQL Server Database 2016 STIG, V2R6	MS SQL Server 2016 Database STIG, V2R7: - SQL6-D0-000100 - Added "Documentation must be approved by the ISSO/ISSM." to Check content.	25 October 2023
- MS SQL Server 2016 STIG, Supplemental	- Revised supplemental scripts to remove legacy Vul IDs and reference STIG IDs. - Revision History format for multipart STIGs revised to ensure clarity in the versioning.	

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
V2R10	- MS SQL Server 2016 STIG, V2R9	MS SQL Server 2016 Database STIG, V2R6: - No change in this quarter. MS SQL Server 2016 Instance STIG, V2R10: - SQL6-D0-009900 - Revised rule title. - SQL6-D0-012800 - Revised broken link in Check content.	26 July 2023
V2R9	- MS SQL Server 2016 STIG, V2R8	MS SQL Server 2016 Database STIG, V2R6: - SQL6-D0-000100 - Reworded Check content. - Rule Key IDs updated due to changes in content management system. MS SQL Server 2016 Instance STIG, V2R9: - Rule Key IDs updated due to changes in content management system. - SQL6-D0-004500, SQL6-D0-004600 - Combined requirements. - SQL6-D0-006200, SQL6-D0-006300, SQL6-D0-006400 - Combined requirements. - SQL6-D0-013100, SQL6-D0-013200 - Combined requirements. - SQL6-D0-013300, SQL6-D0-013400 - Combined requirements. - SQL6-D0-013500, SQL6-D0-013600 - Combined requirements. - SQL6-D0-013700, SQL6-D0-013800 - Combined requirements. - SQL6-D0-013900, SQL6-D0-014000 - Combined requirements.	27 April 2023

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none"> - SQL6-D0-014300, SQL6-D0-014400 - Combined requirements. - SQL6-D0-014500, SQL6-D0-014600 - Combined requirements. - SQL6-D0-014700, SQL6-D0-014800 - Combined requirements. - SQL6-D0-015300, SQL6-D0-015400 - Combined requirements. 	
V2R8	- MS SQL Server 2016 STIG, V2R7	<p>MS SQL Server 2016 Database STIG, V2R5:</p> <ul style="list-style-type: none"> - SQL6-D0-003200 - Cryptographic modules should require either FIPS 140-2 or FIPS 140-3 validation. <p>MS SQL Server 2016 Instance STIG, V2R8:</p> <ul style="list-style-type: none"> - SQL6-D0-008300, SQL6-D0-008400, SQL6-D0-008700, SQL6-D0-009200, SQL6-D0-015600, SQL6-D0-015700, SQL6-D0-015800 - Cryptographic modules should require either FIPS 140-2 or FIPS 140-3 validation. 	27 October 2022
V2R7	- MS SQL Server 2016 STIG, V2R6	<p>MS SQL Server 2016 Database STIG, V2R4:</p> <ul style="list-style-type: none"> - SQL6-D0-000300 - Excluded TempDB from Check. - SQL6-D0-001900 - Updated default databases to be N/A. - SQL6-D0-000100, SQL6-D0-003200 - Changed severity to CAT 1. <p>MS SQL Server 2016 Instance STIG, V2R7:</p> <ul style="list-style-type: none"> - SQL6-D0-003700, SQL6-D0-006700, SQL6-D0-007900, SQL6-D0-008300, SQL6-D0-008700, SQL6-D0-016200 - Changed severity to CAT 1. 	27 April 2022
V2R6	- MS SQL Server 2016 STIG, V2R5	<p>MS SQL Server 2016 Database STIG, V2R3:</p> <ul style="list-style-type: none"> - SQL6-D0-001100 - Corrected script in Check. <p>MS SQL Server Instance STIG, V2R6:</p> <ul style="list-style-type: none"> - SQL6-D0-003600 - Improved the script in the Fix. - SQL6-D0-003800 - Corrected setspn commands in the Fix. - SQL6-D0-012900 - Updated Check content to include a review of system documentation. 	27 January 2022

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
V2R5	- MS SQL Server 2016 STIG, V2R4	MS SQL Server 2016 Database STIG, V2R2: - SQL6-D0-001100, SQL6-D0-003000 - Corrected typo in the query. MS SQL Server Instance STIG, V2R5: - SQL6-D0-003600 - Corrected path for logon trigger. - SQL6-D0-010900 - Added N/A statement. - SQL6-D0-014100 - Combined requirement with SQL6-D0-014200. - SQL6-D0-014200 - Added script for checking server audit status.	27 October 2021
V2R4	- MS SQL Server 2016, V2R3	MS SQL Server Instance STIG, V2R4: - SQL6-D0-012900 - Updated logic in the Check Text. - SQL6-D0-013000 - Combined with SQL6-D0-012900 and removed requirement. - Combined supplemental scripts into one directory.	23 July 2021
V2R3	- MS SQL Server 2016, V2R2	MS SQL Server Instance STIG, V2R3: - SQL6-D0-008200 - Corrected sentence for configuration navigation.	23 April 2021
V2R2	- MS SQL Server 2016, V2R1	MS SQL Server Instance STIG, V2R2: - SQL6-D0-008400 - Changed PKI private keys stored requirement to a CAT 1. - SQL6-D0-011800 - Removed duplicate 'DATABASE_OWNERSHIP_CHANGE_GROUP' from SQL.	22 January 2021
V2R1	- MS SQL Server 2016 STIG, V1R10	- DISA migrated the MS SQL Server 2016 STIGs 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 numbers from V1R6 and V1R10 to V2R1. MS SQL Server Instance STIG, V2R1: - SQL6-D0-005900 - Added N/A statement - application or security event log use. - SQL6-D0-006000, SQL6-D0-006100 - Combined requirement with SQL6-D0-005900. MS SQL Server 2016 Database STIG, V2R1:	23 October 2020

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
		- SQL6-D0-000300 - Updated supplemental script.	
V1R10	- MS SQL Server 2016 STIG, V1R9	MS SQL Server Instance STIG, V1R10: - V-79123 - Added Named Instance as an acceptable SPN Format to Check and Fix. - V-79353 - Clarified SQL Instances other than the SQL Browser should be hidden. MS SQL Server Database STIG, V1R6: - V-79071 - Corrected logic for when trustworthy is enabled. - V-79073 - Corrected and separated script in the Check Text.	24 July 2020
V1R9	- MS SQL Server 2016 STIG, V1R8	MS SQL Server Instance STIG, V1R9: - V-79231 - Update real-time alerts. - V-79149 - Correct typo in Check Text.	24 April 2020
V1R8	- MS SQL Server 2016 STIG, V1R7	- Combined Instance and Database STIGs into one STIG package. MS SQL Server Instance STIG, V1R8: - V-79179 - Updated CLR Code logic. - V-79191 - Changed password inheritance phrasing. - V-79211 - Updated finding statement logic. - V-79129 - Updated Check for the NT AUTHORITY SYSTEM account. - V-79293, V-79295 - Corrected script for audit check. MS SQL Server Database STIG, V1R5: - V-79067 - Corrected ObjectCategory check. - V-79085 - Updated zero value return and check for encrypted by password.	24 January 2020
V1R7	- MS SQL Server STIG, V1R6	MS SQL Server Instance STIG, V1R7: - V-79143 - Removed user session auditing requirement. - V-79149 - Changed Check to account for Application Log or Security Log . - V-79195 - Moved TLS 1.2 to a separate Check. - V-79239 - Added TRACE_CHANGE_GROUP to script. - V-79259 - Added script to check audit settings.	25 October 2019

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none"> - V-79261, V-79263, V-79265 - Added script to check audit settings. - V-97521 - TLS 1.2 encryption added as a separate requirement. 	
V1R6	- MS SQL Server STIG, V1R5	MS SQL Server Instance STIG, V1R6: <ul style="list-style-type: none"> - V-79327 - Corrected query for database permissions. - V-79291 - Added USER_CHANGE_PASSWORD_GROUP to "SQL Server 2016 Audit.sql". - V-79129 - Modified Check to account for clustered servers. - V-79293, V-79295 - Added LOGOUT_GROUP to audit check. - V-79239 - Added DATABASE_OBJECT_ACCESS_GROUP to "SQL Server 2016 Audit.sql". 	26 July 2019
V1R5	- MS SQL Server 2016 STIG, V1R4	MS SQL Server Instance STIG, V1R5: <ul style="list-style-type: none"> - V-79211 - Modified Check content for new "value_in_use" usage in SQL statement. - V-79329 - Modified Check content to include Filestream update. MS SQL Server Database STIG, V1R4: <ul style="list-style-type: none"> - V-79107 - Modified Check content to include a predicate to the query excluding Microsoft shipped objects in the MSDB database. - V-79111 - Modified Check content to reflect new SQL statements regarding privileged accounts or accounts which are members of fixed server roles for database ownership. - V-79069 - Modified temporal table information within Check content and Fix Text. - V-79071 - Modified Check content to resolve application restrictions. 	26 April 2019
V1R4	- MS SQL Server 2016 STIG, V1R3	MS SQL Server Instance STIG, V1R4: <ul style="list-style-type: none"> - V-79131 - Updated Check content to cleanup "ObjectCategory" statement. - V-79191 - Updated Check content to better reflect password expiration. - V-79195 - Updated Check content and Fix Text to reflect clusters. - V-79213 - Updated path in Check content. 	25 January 2019

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none"> - V-79239 and V-79255 - Updated SQL statement in Check content. - V-79317 - Removed erroneous text from Check content. - V-79329 - Updated FileStream enable/disable in the Check content. - V-79331 - This requirement was removed. 	
V1R3	- MS SQL Server 2016 STIG, V1R2	<p>MS SQL Server Instance STIG, V1R3:</p> <ul style="list-style-type: none"> - V-79169 - Clarified that requiring SQL to be installed on a different drive is optional, not mandatory. - V-79181 - Updated the query in the Check Text to make use of the stored procedure sp_helpextendedproc. - V-79191 - Corrected Check query and provided exception for Database Master Key. - V-79339 - Requirement removed. Covered by modified V-67795. - V-79139, V-79259, V-79261, V-79263, V-79265, V-79269, V-79275, V-79277, V-79279, V-79281 – Updated supplemental file in Fix Text. - Removed erroneous .sql supplemental file. <p>MS SQL Server Database STIG, V1R3:</p> <ul style="list-style-type: none"> - Removed erroneous .sql supplemental file. 	26 October 2018
V1R2	- MS SQL Server 2016 STIG, V1R1	<p>MS SQL Server Instance STIG, V1R2:</p> <ul style="list-style-type: none"> - Release number and date updated. - Updated supplemental zip file. - V-79131 - Updated Check to reflect proper management account information. - V-79215 - Updated extended stored procedure from Check and Fix. - V-79217 - Removed semicolon from Check statement. - V-79291, V-79293, V-79295 - Removed trailing comma in SQL Statement. - V-79251 - Check was missing an “s” in the SQL statement. - V-79129 - Changing Check with updated permission SQL Statement. - V-79157 - Fixed typo in Check. <p>MS SQL Server Database STIG, V1R2:</p>	27 July 2018

REVISION HISTORY			
Revision Number	Document Revised	Description of Change	Release Date
		<ul style="list-style-type: none">- V-79067 - Updated Check to reflect proper management account information.- Updated supplemental zip file.- V-79063 - Removed this requirement (V-79063) as it is a duplicate of both V-79121 and V-79061.- V-79067 - Added additional statement in Check to check for computer accounts.- V-79071 - Removed erroneous SQL from statement.- V-79113 - Updated SQL Statement in Check.	
V1R1	- NA	- Initial Release.	09 March 2018