

Edit policy properties

The **Policy Properties** window allows you to quickly edit your policy settings. Changes made on the **Policy Properties** window are instantly applied to your policy.

In the **Security Summary** view you can open the **Policy Properties** window by using any of the following options:

- Right-click your policy from the Policies tree and select **Properties**
- Select your policy and click **Edit settings** in the ribbon options available at any of the tabs (Summary, Settings, Users)

The following tabs are available on the **Policy Properties** window:

General

The **General** tab of the **Policy Properties** window allows you to update the name and description of the selected policy. The policy name appears in the **Security Summary** view under the Policies tree.

Policy Properties - CIS for SQL Server 2019

Change the Policy name or description.

General Security Checks Audited SQL Servers Internal Review Notes

Name CIS for SQL Server 2019

Description Center for Internet Security - Security Configuration Benchmark for Microsoft SQL Server 2016, v1.0.0, August 17, 2017

OK Cancel Help

Security Checks

Security checks assess the vulnerability of specific Windows OS and SQL Server objects based on your criteria. After security checks are configured and your SQL Server instances are assigned to the policy, you can view the results on the Security Overview window and on the Risk Assessment Report.

Policy Properties - CIS for SQL Server 2019

Specify which security checks you want this Policy to perform.

General Security Checks Audited SQL Servers Internal Review Notes

Security Checks (43 enabled)

Enabled	Name
☐	Always Encrypted
☐	Appropriate cryptographic modules have b...
☒	Assembly host policy
☐	Backup Encryption (Native)
☐	Backup Encryption (Non-Native)
☐	Certificate private keys were never exported
☒	Contained database authentication type
☒	DAC Remote Access
☐	Dangerous Extended Stored Procedures (XS...
☐	Database Master Key encrypted by Service...
☐	Database Master Keys Encrypted by Passwo...
☐	Database roles and members
☐	Dynamic Data Masking
☐	Encryption Methods
☐	Files On Drives Not Using NTFS
☐	Fixed Roles Assigned To public Or guest

Reset to Defaults Uncheck All Import Settings...

SQL Server Azure SQL Database Amazon RDS Database

Display Settings

Name Always Encrypted

Description Determine whether always encryption is configured for specified columns on SQL Server 2016 or later

Report Text Are specified columns using Always Encrypted to protect sensitive data on SQL 2016 or later?

External Cross Reference

Risk Level ☒ High ☐ Medium ☐ Low

Criteria

When enabled, this check will identify a risk if always encryption is not configured for specified columns on SQL Server 2016 or later. Please specify in [Server].[Database].[Schema].[Table].[Column] format.

Edit... Remove

OK Cancel Help

In addition, you can configure email notifications to be sent out when a particular risk level has been passed. For more information, see [Configure Email Settings](#).



When security checks are set up for your policies, it is important that accurate criteria are entered. For example, a typo in the Windows Operating System Version metric criteria could cause erroneous findings.

Available fields

The **Security Checks** of the **Policy Properties** tab allows you to update the following fields:

Criteria

Some security checks allow you to configure the assessment criteria, such as specific user accounts, stored procedures, or the login audit level. Text entered in this field must use the exact spelling of the object being checked. Use the option **Edit** and a new window opens where you can specify multiple criteria items (one per line). To delete any previously specified criteria, click the corresponding item, and then **Remove**.



If criteria for security checks is entered incorrectly, it may fail to correctly display its finding in the Report Card.



Some security check criteria support using the percent wildcard character (%) to specify objects whose names apply a naming convention. For example, to specify all users whose logon starts with sql, enter the following syntax: domain\sql%.

External Cross-Reference

Allows you to cross-reference a security vulnerability included in your report to a number or name contained in an external security standard.

Report Text

The text entered in this field appears on your policy reports. For example, the Protocols security check includes the report text "Are unexpected Protocols enabled?". When unexpected protocols are enabled, the report displays the SQL Server instances where the risk is encountered.

Risk Level

Allows you to set the severity of the risk posed by this finding. The risk level is important because it reflects how severe or risky a particular security finding is for your environment, allowing you to further customize security checks to meet your exact auditing needs. For example, finding an enabled Guest account on one instance may be a high risk, but on another instance it may be a low risk. The risk level also determines where the corresponding security finding appears on the policy or assessment Report Card and whether or not email notifications will be sent.

Audited SQL Servers

The **Audited SQL Servers** tab allows you to change which registered SQL Server instances are assigned to this policy. You can add or remove instances from this policy to better match your auditing needs. Each registered SQL Server instance can belong to multiple policies.

Policy Properties - CIS for SQL Server 2019

Specify which SQL Server instances you want to audit with this Policy.

General Security Checks **Audited SQL Servers** Internal Review Notes

Select SQL Servers to include in this Policy

☐ All SQL Server Instances
 ☐ All SQL Server 2012 Instances
 ☒ All SQL Server 2019 Instances
 ☐ All SQL Server 2000 Instances
 ☐ All SQL Server 2014 Instances
 ☐ All Azure SQL Database
 ☐ All SQL Server 2005 Instances
 ☐ All SQL Server 2016 Instances
 ☐ All Amazon RDS
 ☐ All SQL Server 2008 Instances
 ☐ All SQL Server 2017 Instances

☐ Select SQL Server Instances

Audited SQL Server
☐ WINDEV2204EVAL

OK Cancel Help

The **Audited SQL Servers** tab is located in the **Policy Properties** window.

Edit the instance list by either selecting one of the version-group options or by selecting instances specifically, and then click **OK**. SQL Secure automatically re-assesses the policy based on this new scope.

Internal Review Notes

The **Internal Review Notes** tab allows you to edit the manually-collected data applied to your policy. Manually-collected data is security information that cannot be gathered and assessed through IDERA SQL Secure.

Policy Properties - CIS for SQL Server 2019

Specify any additional information that should be included in the assessment report.

General Security Checks Audited SQL Servers **Internal Review Notes**

Text can be added to your security assessment report to enable manually gathering data and reporting it in one comprehensive place. Enter an optional title and additional text for your report here.

Title

CIS Interview Checks

Center for Internet Security - Security Configuration Benchmark for Microsoft SQL Server 2019, v1.0.0, August 17, 2017

1 Installation, Updates and Patches

1.1 Ensure Latest SQL Server Service Packs and Hotfixes are Installed (Not Scored)

1.2 Ensure Single-Function Member Servers are Used (Not Scored)

2 Surface Area Reduction

2.1 Ensure 'Ad Hoc Distributed Queries' Server Configuration Option is set to '0' (Scored)

2.2 Ensure 'CLR Enabled' Server Configuration Option is set to '0' (Scored)

2.3 Ensure 'Cross DB Ownership Chaining' Server Configuration Option is set to '0' (Scored)

2.4 Ensure 'Database Mail XPs' Server Configuration Option is set to '0' (Scored)

2.5 Ensure 'Ole Automation Procedures' Server Configuration Option is set to '0' (Scored)

2.6 Ensure 'Remote Access' Server Configuration Option is set to '0' (Scored)

2.7 Ensure 'Remote Admin Connections' Server Configuration Option is set to '0' (Scored)

2.8 Ensure 'Scan For Startup Procs' Server Configuration Option is set to '0' (Scored)

2.9 Ensure 'Trustworthy' Database Property is set to 'Off' (Scored)

2.10 Ensure Unnecessary SQL Server Protocols are set to 'Disabled' (Not Scored)

2.11 Ensure SQL Server is configured to use non-standard ports (Scored)

2.12 Ensure 'Hide Instance' option is set to 'Yes' for Production SQL Server instances (Scored)

2.13 Ensure 'sa' Login Account is set to 'Disabled' (Scored)

2.14 Ensure 'sa' Login Account has been renamed (Scored)

2.15 Ensure 'xp_cmdshell' Server Configuration Option is set to '0' (Scored)

2.16 Ensure 'AUTO_CLOSE OFF' is set on contained databases (Scored)

2.17 Ensure no login exists with the name 'sa' (Scored)

3 Authentication and Authorization

3.1 Ensure 'Server Authentication' Property is set to 'Windows Authentication Mode' (Scored)

Check Spelling

OK Cancel Help

You can find the **Internal Review Notes** tab in the **Policy Properties** window.

SQL Secure includes your Internal Review Notes to the Risk Assessment report, providing a fuller picture of your security status. These notes can also serve as a questionnaire to be used for manually gathering additional data that may be required to fully enforce your policy.

To edit these notes, click inside the provided text box and enter your changes.



You can use the **Check Spelling** option to make sure the text you typed in the Internal Review Notes is well written.