

SQL Sentry Actions & Alerts Overview

Last Modified on 18 May 2021

SQL Sentry Portal: This feature is available in [SQL Sentry Portal](#). To learn more about configuring your environment to use the on-premises, browser-based option with your existing [SQL Sentry database](#), see the [SQL Sentry Portal](#) article.

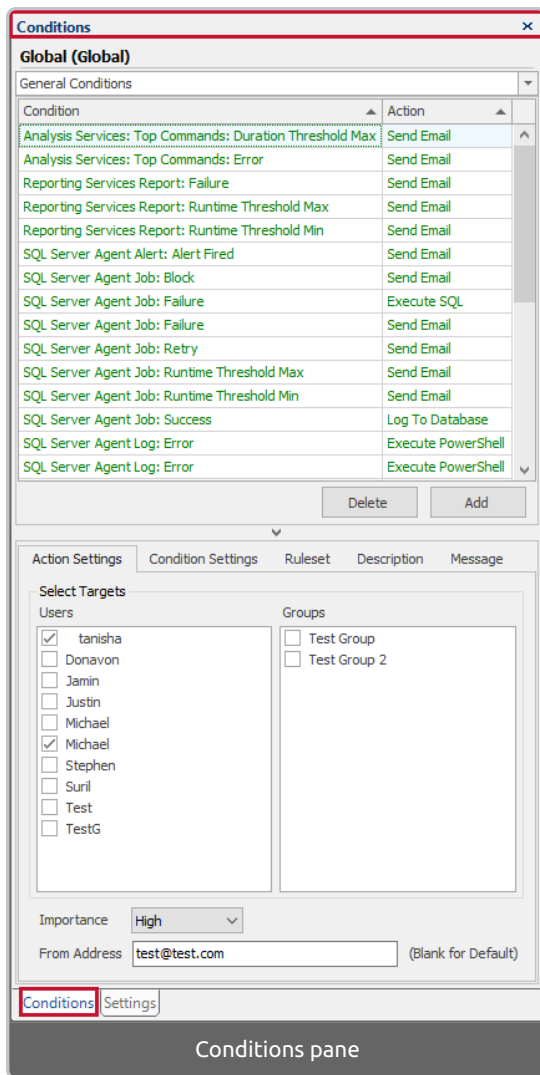
🔗 See the [Monitor Alerts](#) article for an example of how alerts appear in the **SQL Sentry Portal**.

ⓘ Note: The configuration option shown for **SentryOne Monitor** does not exist in **SQL Sentry Portal** as that is all done through the [SQL Sentry client](#).

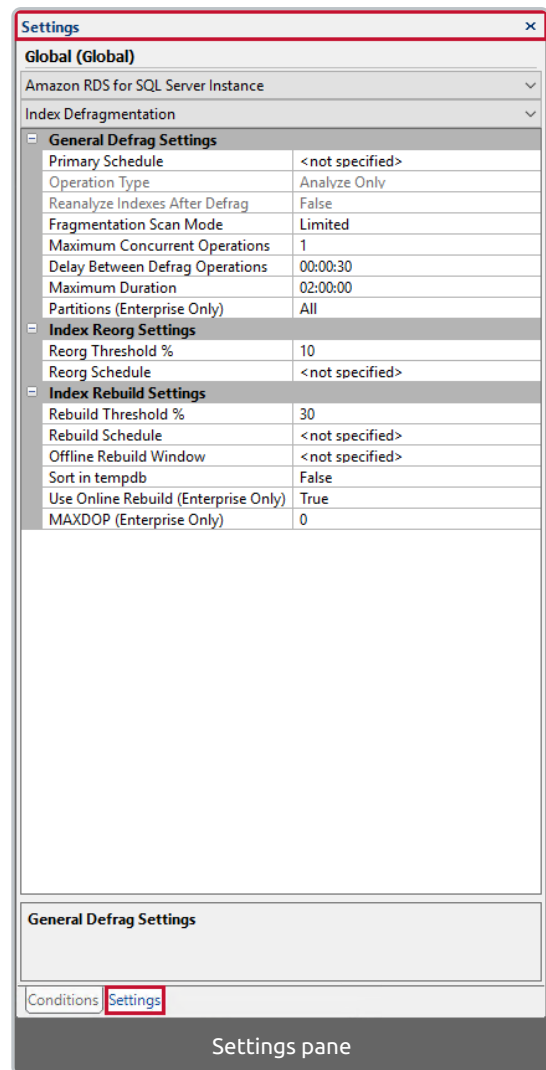
Alerting and Response System

SQL Sentry employs a comprehensive alerting and response system. The alerting and response system uses the concept of [Conditions](#) and [Actions](#). **Conditions** describe the various states of monitored objects. SQL Sentry allows you to define criteria for when **Conditions** are met using various **Settings** like **Condition Settings**. As a response to **Conditions** taking place, **Actions** can be configured. You can refine how often **Actions** are carried out using [Response Rulesets](#). To control the time frame of when an **Action** is processed you may apply a **Window** directly to any configured **Action**.

Conditions and **Settings** are all hierarchical, working through the principle of inheritance. **Conditions** and **Settings** applied at the global level (**All Targets node**), are automatically inherited by all objects below that node. Any inherited **Conditions** or **Settings** can then be overridden at each lower level as needed. Open the **Conditions** pane by selecting **View > Conditions**; open the **Settings** pane by selecting **View > Settings**.



Conditions pane



Settings pane

Note: You can design your alerts and responses at a high level (global / **All Targets**) and then fine tune them as necessary at the lower levels (sites, targets, target groups, instances, objects). For a visual representation of these different levels, see the [Alerting and Response System Hierarchy diagram](#).

The following table contains a brief description of the different concepts within the SQL Sentry alerting and response system. For detailed information concerning each concept, select the links to open the individual sub-topics.

Concepts

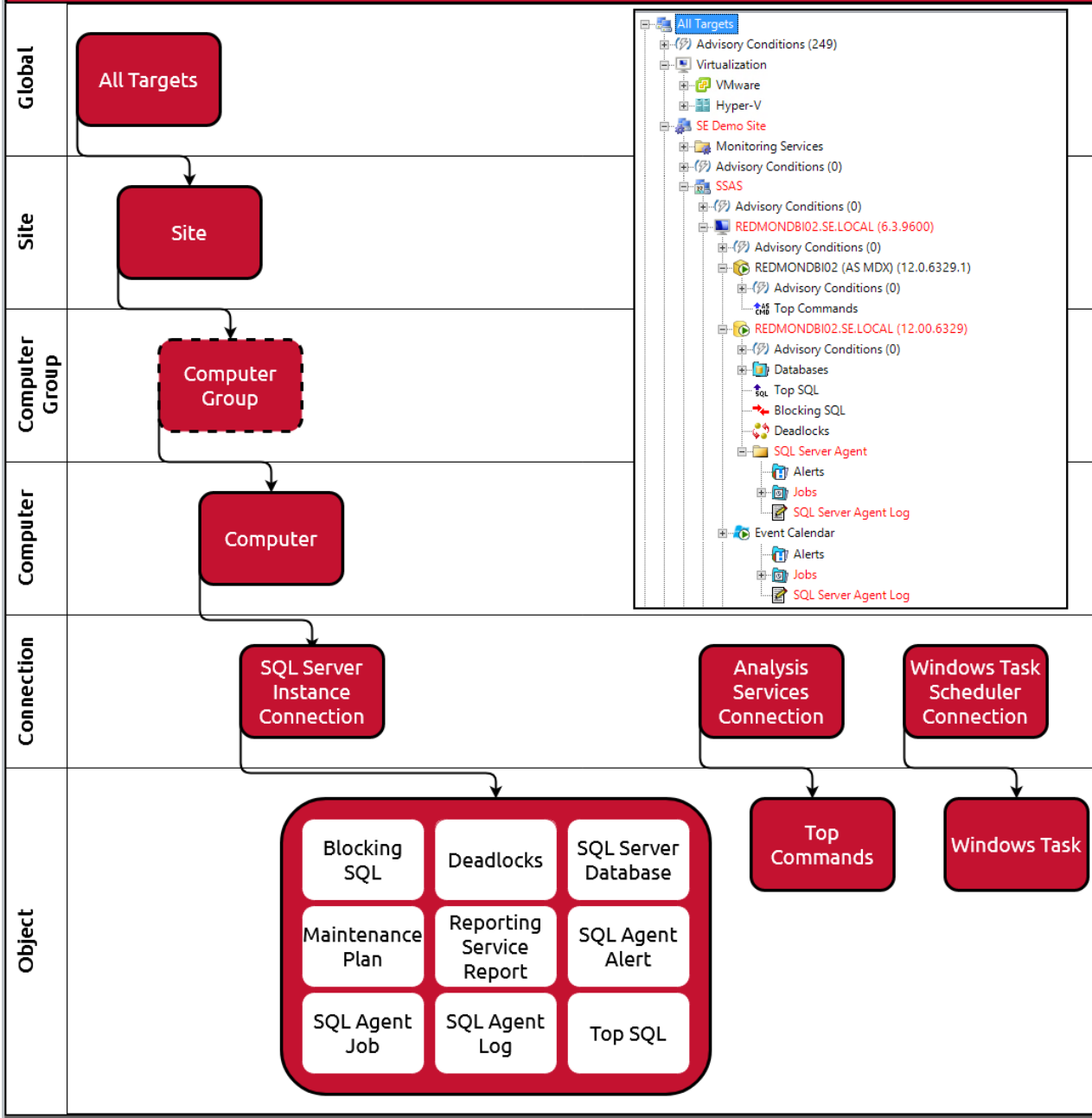
| Concept | Description |
|------------------------------------|---|
| Contact Management | The Contacts node is used to create and maintain Users and Groups within your SQL Sentry environment. Once a User or Group is created they can be chosen as a <u>target</u> for the Send Email /Send Page action. |

| | |
|-------------------------------------|---|
| Concept Conditions | Conditions describe the various states of Monitored Event Objects or associated Performance Counters . You define Actions to take when Conditions are met. |
| Condition Settings | Condition Settings allow you to define rules that a Condition must meet for the Condition to be fully satisfied. Condition Settings are applicable to most General Conditions and all Audit and Failsafe conditions and are configured using a visual Filter Editor . |
| Actions | Actions determine what happens when a Condition is met, including sending notifications, executing a process, etc. |
| Settings | Settings define criteria for when a Condition is considered to be met, including runtime thresholds for events that are captured. Source Settings define what events are collected by SQL Sentry. |
| Response Rulesets | Response Rulesets control how often Actions are taken in response to Conditions being met. Response Rulesets assign additional criteria on top of the Condition itself that must be met before an Action takes place. The default setting is Notify EveryTime . |
| Windows | Windows may be applied directly to any configured Action to control the time frame of when that Action is processed. Windows may also be applied to Users or Groups . |
| Object Groups | Object Groups exist outside of the normal SQL Sentry Hierarchy. An Action or Setting configured for an Object Group is applied last, after any inherited or explicitly defined Action or Setting . Object Groups are useful when you need to apply like policies to a set of objects that don't exist within the same hierarchical groups in your SQL Sentry environment. |

Alerting and Response System Hierarchy

Actions and **Settings** have a hierarchical configuration, meaning that **Settings** applied at the global level (**All Targets**) are automatically inherited by all objects below that node. Inherited **Conditions** and **Settings** can then be overridden at each level as needed. These new **Conditions** and **Settings** are then inherited by each object below that level. The following diagram shows the flow of inherited **Conditions** and **Settings**. It also shows those levels at which the **Conditions** and **Settings** panes are available for configuration.

SQL Sentry Hierarchy Conditions | Actions | Settings



Example of the SQL Sentry SQL Sentry Hierarchy. **Connections** and **Objects** may vary by target type.