

SQL Sentry Performance Analysis Security Requirements

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The SQL Sentry **Performance Analysis** feature collects various performance and configuration data directly from Windows and requires a higher level of access to the operating system than other features. The easiest approach is to either make the SQL Sentry monitoring service account a domain administrator level account or a member of the local administrators group on any watched targets.

In some scenarios it may be possible to use a non-administrator service account, although this isn't an officially supported approach. Complete the following steps to use a non-administrator service account:

1. Enable DCOM on the SQL Sentry server machine, the SQL Sentry client machine, and the server to be watched. For more information, see the [Securing a Remote WMI Connection](#) article.
2. Give the SQL Sentry monitoring **service account** proper permissions to the required WMI namespaces by going to the properties for **WMI Control** under **Services and Applications** in the **Computer Management** client. On the **Security** tab, ensure that the SQL Sentry monitoring service account has at least **Enable Account** and **Remote Enable** checked for the **CIMV2** and **WMI** nodes.

Note: WMI providers and versions vary from server to server, and whether non-administrative access functions properly for a particular WMI provider is directly dependent on whether the provider was designed to support this. Many providers can't support this, including many designed by Microsoft®.

Additional Information:

- For more information about SQL Sentry requirements, see the [How to check SentryOne requirements](#) article from Sabin.io.
- To learn more about **enabling a Windows Management Instrumentation (WMI) rule in Windows Firewall**, see this answer to the [WMI The RPC server is unavailable. \(Exception from HRESULT: 0x800706BA\)](#) question on Stack Overflow.

Example

SERVER-A is the exact same make and model as SERVER-B, and both servers are on the same domain. The SQL Sentry monitoring service user account is a domain user, but doesn't have administrator privileges on either server. **Performance Analysis** can successfully watch SERVER-A, but is unable to watch SERVER-B. The two servers are configured identically, with one exception; an additional network adapter from Acme Networking was installed in SERVER-B.

Acme Networking didn't design the associated WMI provider to support non-administrative access; therefore, **Performance Analysis** isn't able to successfully watch SERVER-B as a non-administrator. The only options are

to either replace the network adapter with one that's known to support non-administrative access, or to contact Acme Networking to see if they have an updated version of the provider that supports non-administrative access.