

RE: SQL Server Registration Ports...

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.connect/2005-05/msg00103.html>

- *From:* v-sguo@xxxxxxxxxxxxxxxxxxxxxxxx (Sophie Guo [MSFT])
 - *Date:* Tue, 24 May 2005 05:22:35 GMT
-

Hello,

To work effectively with a firewall, you must ensure that the instance of SQL Server always listens on the network address that the firewall is configured to forward. The TCP/IP network addresses for SQL Server are comprised of two parts: an IP address associated with one or more network cards in a computer, and a TCP port address specific to an instance of SQL Server. Default instances of SQL Server use TCP port 1433 by default. Named instances, however, dynamically assign an unused TCP port number the first time the instance is started. The named instance can also dynamically change it's TCP port address on a subsequent startup if the original TCP port number is being used by another application. SQL Server only dynamically changes to an unused TCP port if the port it is currently listening on was dynamically selected. That is, if the port was statically selected (manually), SQL Server will display an error and continue to listen on other ports. It is unlikely another application would attempt to use 1433 since that port is registered as a well-known address for SQL Server.

For information on using a firewall with SQL Server, refer to the following documentation:
<http://www.microsoft.com/sql/techinfo/administration/2000/securityWP.asp>

SQL Server Books Online: Using a Firewall System with SQL Server

You can refer to the following article:

287932 INF: TCP Ports Needed for Communication to SQL Server Through a Firewall
<http://support.microsoft.com/?id=287932>

More information for reference:

Potential causes of the "SQL Server does not exist or access denied" error message
<http://support.microsoft.com/kb/328306/>

RE: SQL Server Registration Ports...

885345 You may not be able to enumerate all the instances of SQL Server 2000 on <http://support.microsoft.com/?id=885345>

I hope the information is helpful.

Sophie Guo
Microsoft Online Partner Support

Get Secure! – www.microsoft.com/security

=====
When responding to posts, please "Reply to Group" via your newsreader so that others may learn and benefit from your issue.
=====

This posting is provided "AS IS" with no warranties, and confers no rights.

• **References:**

- ◆ **[SQL Server Registration Ports...](#)**
 ◆ *From: sid_susan*

- Prev by Date: **[Re: SQL Server Registration Ports...](#)**
- Next by Date: **[Re: multiple sql servers?](#)**
- Previous by thread: **[SQL Server Registration Ports...](#)**
- Next by thread: **[Re: Linked SQL Server and Windows 2003 Firewall/SCWQL](#)**
- Index(es):
 - ◆ **[Date](#)**
 - ◆ **[Thread](#)**