

Re: Connecting to an instance in a cluster

Source:

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.clustering/2007-02/msg00161.html>

- *From:* "Geoff N. Hiten" <SQLCraftsman@xxxxxxxxxx>
 - *Date:* Thu, 15 Feb 2007 15:16:43 -0500
-

Each virtual server has its own IP address so you can reuse port numbers between instances. Without a cluster, you cannot reuse port numbers.

--

Geoff N. Hiten
Senior Database Administrator
Microsoft SQL Server MVP

"Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:85AC15AA-1E22-4317-B1B6-5A1BE2975B6F@xxxxxxxxxxxxxxxxxxxx>

The IP for the public NIC has a port assigned for the default instance. It won't affect the default instance if I assign it another port for other named instances, right?

"Geoff N. Hiten" wrote:

OK. Go into the cluster admin tool and find the IP address for the public NICs. That is the port you have to open on the firewall. You have to add 1434 if you want to resolve SQL Instances by name instead of just IP address and port number. Note that traffic may appear to the firewall as originating from the underlying physical NIC address, not the virtual address of the SQL instance.

--

Geoff N. Hiten
Senior Database Administrator
Microsoft SQL Server MVP

"Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:975E3D7D-BB1B-472B-B102-D3A50024CDC1@xxxxxxxxxxxxxxxxxxxx>
> The public IP for that SQL Instance is not listed. I must have missed

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> something. I am in SQL Server Configuration Manager, SQL Server 2005
> Network
> Configuration, Protocols for Instance1, and TCP/IP Properties-IP >
Addresses
> window. It has the IP of the SQL Virtual Server I installed before it, > but
> not the IP for this instance and the instance which I installed
> afterwards.
> Thanks!
>
> "Geoff N. Hiten" wrote:
>
>> The only IP you need to fix is the Public IP for the SQL Instance.
>>
>> GNH
>>
>>
>> "Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
>>
news:136D4B36-754C-4ACC-B995-9829A4616B8F@xxxxxxxxxxxxxxxxxxxx
>> > Hi Geoff,
>> > Thanks for your information. There are many IPs in the TCP/IP
>> > properties
>> > window in SQL Server Configuration Manager. Which one should I
use?
>> > Should
>> > I
>> > do the lookback adapter IP or do them all? Sorry I am really >> >
confused
>> > about
>> > this part. The online help is not very clear about this. Thanks >> >
again!
>> >
>> > "Geoff N. Hiten" wrote:
>> >
>> >> You will need to use the SQL Server Configuration Manager to set a
>> >> static
>> >> port for each named instance. You only need to set it once or >> >>
each
>> >> instance on the cluster. You cannot use port 1434 or 1433. Then >> >>
you
>> >> open
>> >> the firewall for those ports. Note that you will have to restart >> >>
each
>> >> SQL
>> >> instance after setting the ports so SQL can bind correctly.
>> >>
>> >> -- >> >> Geoff N. Hiten
>> >> Senior Database Administrator
>> >> Microsoft SQL Server MVP
>> >>
>> >>

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>>>>
>>>> "Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
>>>>
news:54E0E94E-FAD2-4EDE-86A3-5D63C4E6E5E4@xxxxxxxxxxxxxxxxxxxx
>>>>> Browser Service is running on all nodes. Dynamic ports are used >>
>>>> by
>>>>> default
>>>>> and I did not change it. The servers are behind a firewall. I >>>>>
opened
>>>>> port
>>>>> 1434. And port 1433 is open too. I can connect to the default
>>>>> instance
>>>>> fine
>>>>> remotely and can connect any instances locally.
>>>>>
>>>>> "Anthony Thomas" wrote:
>>>>>
>>>>>> Did you configure static or dynamic ports? Is the Browser >>>>>
>> service
>>>>>> running
>>>>>> on all cluster nodes?
>>>>>>
>>>>>>
>>>>>> Anthony Thomas
>>>>>>
>>>>>>
>>>>>> -- >>>>>>
>>>>>> "Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
>>>>>>
news:05184BB4-026E-4FBE-AD14-8684B121A86F@xxxxxxxxxxxxxxxxxxxx
>>>>>>> Yes.
>>>>>>>
>>>>>>> "Hilary Cotter" wrote:
>>>>>>>
>>>>>>>> is the virtual server enabled for remote connections?
>>>>>>>>
>>>>>>>> -- >>>>>>>> Hilary Cotter
>>>>>>>>
>>>>>>>> Looking for a SQL Server replication book?
>>>>>>>> <http://www.nwsu.com/0974973602.html>
>>>>>>>>
>>>>>>>> Looking for a FAQ on Indexing Services/SQL FTS
>>>>>>>> <http://www.indexserverfaq.com>
>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> "Yuhong" <Yuhong@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote

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in message

>>>>>>

news:065C8B43-891D-41CC-8602-04FB551CFE34@xxxxxxxxxxxxxxxxxxxx

>>>>>>> Hello, I just setup a few instances on a cluster. But >>>>>>

>>> somehow

>>>>>>> I

>>>>>>> cannot

>>>>>>> connect to the instances remotely using SQL Server

>>>>>>> Management

>>>>>>> Studio.

>>>>> I

>>>>>>> can

>>>>>>> connect to them locally. I can also connect to the default

>>>>>>> instance

>>>>> fine.

>>>>>>> Any

>>>>>>> idea?

>>>>>>> Thanks!

>>>>>>>

>>>>>>>

>>>>>>>

>>>>>

>>>>>

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