

# Re: Can't join a domain

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*Source:*

[http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active\\_directory/2007-07/msg00908](http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2007-07/msg00908)

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- *From:* "Paul Bergson [MVP-DS]" <[pbergson@xxxxxxxxxxxxxxxxxxxx](mailto:pbergson@xxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Fri, 20 Jul 2007 07:37:37 -0500
- 

Provide the following from the DC's, DNS server and the member server

Open up a command prompt and type in ipconfig /all

--

Paul Bergson  
MVP – Directory Services  
MCT, MCSE, MCSA, Security+, BS CSci  
2003, 2000 (Early Achiever), NT

<http://www.pbbergs.com>

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"Kolchak" <[Kolchak@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Kolchak@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:E15A7386-C7C0-4EE4-9963-F9755CDF6731@xxxxxxxxxxxxxxxxxxxx](mailto:news:E15A7386-C7C0-4EE4-9963-F9755CDF6731@xxxxxxxxxxxxxxxxxxxx)

Hi Paul,

Many thanks for the tool, never heard of it but works a treat. Below is the output, but (from what I believe) everything seems OK except for this bit:

```
Starting portqry.exe -n files3 -e 42 -p TCP ...
```

```
Querying target system called:
```

```
files3
```

```
Attempting to resolve name to IP address...
```

```
Name resolved to 10.1.1.3
```

```
querying...
```

```
TCP port 42 (nameserver service): NOT LISTENING  
portqry.exe -n files3 -e 42 -p TCP exits with return code 0x00000001.
```

Re: Can't join a domain

Name server on TCP port 42??? Never heard of it. DNS = 53. Any ideas? Many thanks for all your help...

Here is the complete output...

=====

Starting portqry.exe -n files3 -e 135 -p TCP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 135 (epmap service): LISTENING

Using ephemeral source port  
Querying Endpoint Mapper Database...  
Server's response:

UUID: 3c4728c5-f0ab-448b-bda1-6ce01eb0a6d5 DHCP Client LRPC Endpoint  
ncalrpc:[dhcpcsvc]

UUID: 3473dd4d-2e88-4006-9cba-22570909dd10 WinHttp Auto-Proxy Service  
ncalrpc:[W32TIME\_ALT]

UUID: 3473dd4d-2e88-4006-9cba-22570909dd10 WinHttp Auto-Proxy Service  
ncacn\_np:\\\\FILES3[\\pipe\\W32TIME\_ALT]

UUID: 2f5f6521-cb55-1059-b446-00df0bce31db Unimodem LRPC Endpoint  
ncacn\_np:\\\\FILES3[\\pipe\\tapsrv]

UUID: 2f5f6521-cb55-1059-b446-00df0bce31db Unimodem LRPC Endpoint  
ncalrpc:[tapsrvlpc]

UUID: 2f5f6521-cb55-1059-b446-00df0bce31db Unimodem LRPC Endpoint  
ncalrpc:[unimdmsvc]

UUID: 50abc2a4-574d-40b3-9d66-ee4fd5fba076  
ncacn\_ip\_tcp:10.1.1.3[1357]

UUID: 6bff098-a112-3610-9833-46c3f874532d  
ncalrpc:[OLEB46E256106A348C6972E19CEB86D]

Re: Can't join a domain

UUID: 6bff098-a112-3610-9833-46c3f874532d  
ncacn\_ip\_tcp:10.1.1.3[1090]

UUID: 6bff098-a112-3610-9833-46c3f874532d  
ncalrpc:[DHCPSEVERLPC]

UUID: 5b821720-f63b-11d0-aad2-00c04fc324db  
ncalrpc:[OLEB46E256106A348C6972E19CEB86D]

UUID: 5b821720-f63b-11d0-aad2-00c04fc324db  
ncacn\_ip\_tcp:10.1.1.3[1090]

UUID: 5b821720-f63b-11d0-aad2-00c04fc324db  
ncalrpc:[DHCPSEVERLPC]

UUID: f5cc59b4-4264-101a-8c59-08002b2f8426 NtFrs Service  
ncalrpc:[OLE912A611DF0B64360AA38DBFEC079]

UUID: f5cc59b4-4264-101a-8c59-08002b2f8426 NtFrs Service  
ncacn\_ip\_tcp:10.1.1.3[1078]

UUID: f5cc59b4-4264-101a-8c59-08002b2f8426 NtFrs Service  
ncalrpc:[LRPC0000070c.00000001]

UUID: d049b186-814f-11d1-9a3c-00c04fc9b232 NtFrs API  
ncalrpc:[OLE912A611DF0B64360AA38DBFEC079]

UUID: d049b186-814f-11d1-9a3c-00c04fc9b232 NtFrs API  
ncacn\_ip\_tcp:10.1.1.3[1078]

UUID: d049b186-814f-11d1-9a3c-00c04fc9b232 NtFrs API  
ncalrpc:[LRPC0000070c.00000001]

UUID: a00c021c-2be2-11d2-b678-0000f87a8f8e PERFMON SERVICE  
ncalrpc:[OLE912A611DF0B64360AA38DBFEC079]

UUID: a00c021c-2be2-11d2-b678-0000f87a8f8e PERFMON SERVICE  
ncacn\_ip\_tcp:10.1.1.3[1078]

UUID: a00c021c-2be2-11d2-b678-0000f87a8f8e PERFMON SERVICE  
ncalrpc:[LRPC0000070c.00000001]

UUID: 906b0ce0-c70b-1067-b317-00dd010662da  
ncalrpc:[LRPC000004b4.00000001]

UUID: 906b0ce0-c70b-1067-b317-00dd010662da  
ncalrpc:[LRPC000004b4.00000001]

UUID: 906b0ce0-c70b-1067-b317-00dd010662da  
ncalrpc:[LRPC000004b4.00000001]

Re: Can't join a domain

UUID: 906b0ce0-c70b-1067-b317-00dd010662da  
ncalrpc:[LRPC000004b4.00000001]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncalrpc:[audit]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncalrpc:[securityevent]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncalrpc:[protected\_storage]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncalrpc:[dsrole]

UUID: 12345778-1234-abcd-ef00-0123456789ac  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncalrpc:[audit]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncalrpc:[securityevent]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncalrpc:[protected\_storage]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncalrpc:[dsrole]

UUID: ecec0d70-a603-11d0-96b1-00a0c91ece30 NTDS Backup Interface  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncalrpc:[audit]

Re: Can't join a domain

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncalrpc:[securityevent]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncalrpc:[protected\_storage]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncalrpc:[dsrole]

UUID: 16e0cf3a-a604-11d0-96b1-00a0c91ece30 NTDS Restore Interface  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncalrpc:[audit]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncalrpc:[securityevent]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncalrpc:[protected\_storage]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncalrpc:[dsrole]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncalrpc:[NTDS\_LPC]

UUID: e3514235-4b06-11d1-ab04-00c04fc2dcd2 MS NT Directory DRS Interface  
ncacn\_http:10.1.1.3[1027]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncalrpc:[audit]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncalrpc:[securityevent]

Re: Can't join a domain

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncalrpc:[protected\_storage]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncacn\_np:\\\\FILES3\\PIPE\\protected\_storage]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncalrpc:[dsrole]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncalrpc:[NTDS\_LPC]

UUID: f5cc5a18-4264-101a-8c59-08002b2f8426 MS NT Directory NSP Interface  
ncacn\_http:10.1.1.3[1027]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncacn\_np:\\\\FILES3\\PIPE\\lsass]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncalrpc:[audit]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncalrpc:[securityevent]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncalrpc:[protected\_storage]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncacn\_np:\\\\FILES3\\PIPE\\protected\_storage]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncalrpc:[dsrole]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncalrpc:[NTDS\_LPC]

UUID: 12345778-1234-abcd-ef00-0123456789ab  
ncacn\_http:10.1.1.3[1027]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncacn\_np:\\\\FILES3\\PIPE\\lsass]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncalrpc:[audit]

Re: Can't join a domain

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncalrpc:[securityevent]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncalrpc:[protected\_storage]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncalrpc:[dsrole]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncalrpc:[NTDS\_LPC]

UUID: 12345678-1234-abcd-ef00-01234567cffb  
ncacn\_http:10.1.1.3[1027]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncacn\_np:\\\\FILES3[\\PIPE\\lsass]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[audit]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[securityevent]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[protected\_storage]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncacn\_np:\\\\FILES3[\\PIPE\\protected\_storage]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[dsrole]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncacn\_ip\_tcp:10.1.1.3[1025]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[NTDS\_LPC]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncacn\_http:10.1.1.3[1027]

UUID: 12345678-1234-abcd-ef00-0123456789ab IPsec Policy agent endpoint  
ncalrpc:[OLECC4E9A8ACA114C36BF4EF4C2FDC0]

Re: Can't join a domain

UUID: 1ff70682-0a51-30e8-076d-740be8cee98b  
ncalrpc:[wzcsvc]

UUID: 1ff70682-0a51-30e8-076d-740be8cee98b  
ncalrpc:[OLE6649563968BD42C8B8CC25172C71]

UUID: 1ff70682-0a51-30e8-076d-740be8cee98b  
ncacn\_np:\\\\FILES3[\\PIPE\\atsvc]

UUID: 378e52b0-c0a9-11cf-822d-00aa0051e40f  
ncalrpc:[wzcsvc]

UUID: 378e52b0-c0a9-11cf-822d-00aa0051e40f  
ncalrpc:[OLE6649563968BD42C8B8CC25172C71]

UUID: 378e52b0-c0a9-11cf-822d-00aa0051e40f  
ncacn\_np:\\\\FILES3[\\PIPE\\atsvc]

UUID: 0a74ef1c-41a4-4e06-83ae-dc74fb1cdd53  
ncalrpc:[wzcsvc]

UUID: 0a74ef1c-41a4-4e06-83ae-dc74fb1cdd53  
ncalrpc:[OLE6649563968BD42C8B8CC25172C71]

UUID: 0a74ef1c-41a4-4e06-83ae-dc74fb1cdd53  
ncacn\_np:\\\\FILES3[\\PIPE\\atsvc]

UUID: 4da1c422-943d-11d1-acae-00c04fc2aa3f  
ncacn\_ip\_tcp:10.1.1.3[3405]

Total endpoints found: 103

==== End of RPC Endpoint Mapper query response ====  
portqry.exe -n files3 -e 135 -p TCP exits with return code 0x00000000.  
=====

Starting portqry.exe -n files3 -e 389 -p BOTH ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

Re: Can't join a domain

TCP port 389 (ldap service): LISTENING

Using ephemeral source port  
Sending LDAP query to TCP port 389...

LDAP query response:

currentdate: 07/19/2007 00:15:17 (unadjusted GMT)  
subschemaSubentry: CN=Aggregate,CN=Schema,CN=Configuration,DC=DOM  
dsServiceName: CN=NTDS  
Settings,CN=FILES3,CN=Servers,CN=DOM-Melbourne,CN=Sites,CN=Configuration,DC=DOM  
namingContexts: DC=DOM  
defaultNamingContext: DC=DOM  
schemaNamingContext: CN=Schema,CN=Configuration,DC=DOM  
configurationNamingContext: CN=Configuration,DC=DOM  
rootDomainNamingContext: DC=DOM  
supportedControl: 1.2.840.113556.1.4.319  
supportedLDAPVersion: 3  
supportedLDAPPolicies: MaxPoolThreads  
highestCommittedUSN: 8108582  
supportedSASLMechanisms: GSSAPI  
dnsHostName: files3.DOM  
ldapServiceName: DOM:files3\$@DOM  
serverName:  
CN=FILES3,CN=Servers,CN=DOM-Melbourne,CN=Sites,CN=Configuration,DC=DOM  
supportedCapabilities: 1.2.840.113556.1.4.800  
isSynchronized: TRUE  
isGlobalCatalogReady: TRUE  
domainFunctionality: 2  
forestFunctionality: 0  
domainControllerFunctionality: 2

=====  
===== End of LDAP query response =====

UDP port 389 (unknown service): LISTENING or FILTERED

Using ephemeral source port  
Sending LDAP query to UDP port 389...

LDAP query response:

currentdate: 07/19/2007 00:15:21 (unadjusted GMT)  
subschemaSubentry: CN=Aggregate,CN=Schema,CN=Configuration,DC=DOM  
dsServiceName: CN=NTDS  
Settings,CN=FILES3,CN=Servers,CN=DOM-Melbourne,CN=Sites,CN=Configuration,DC=DOM  
namingContexts: DC=DOM  
defaultNamingContext: DC=DOM  
schemaNamingContext: CN=Schema,CN=Configuration,DC=DOM

Re: Can't join a domain



Re: Can't join a domain

Name resolved to 10.1.1.3

querying...

TCP port 3268 (msft-gc service): LISTENING

Using ephemeral source port  
Sending LDAP query to TCP port 3268...

LDAP query response:

currentdate: 07/19/2007 00:15:23 (unadjusted GMT)  
subschemaSubentry: CN=Aggregate,CN=Schema,CN=Configuration,DC=DOM  
dsServiceName: CN=NTDS  
Settings,CN=FILES3,CN=Servers,CN=DOM-Melbourne,CN=Sites,CN=Configuration,DC=DOM  
namingContexts: DC=DOM  
defaultNamingContext: DC=DOM  
schemaNamingContext: CN=Schema,CN=Configuration,DC=DOM  
configurationNamingContext: CN=Configuration,DC=DOM  
rootDomainNamingContext: DC=DOM  
supportedControl: 1.2.840.113556.1.4.319  
supportedLDAPVersion: 3  
supportedLDAPPolicies: MaxPoolThreads  
highestCommittedUSN: 8108582  
supportedSASLMechanisms: GSSAPI  
dnsHostName: files3.DOM  
ldapServiceName: DOM:files3\$@DOM  
serverName:  
CN=FILES3,CN=Servers,CN=DOM-Melbourne,CN=Sites,CN=Configuration,DC=DOM  
supportedCapabilities: 1.2.840.113556.1.4.800  
isSynchronized: TRUE  
isGlobalCatalogReady: TRUE  
domainFunctionality: 2  
forestFunctionality: 0  
domainControllerFunctionality: 2

=====  
portqry.exe -n files3 -e 3268 -p TCP exits with return code 0x00000000.  
=====

Starting portqry.exe -n files3 -e 3269 -p TCP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Re: Can't join a domain

Name resolved to 10.1.1.3

querying...

TCP port 3269 (msft-gc-ssl service): LISTENING  
portqry.exe -n files3 -e 3269 -p TCP exits with return code 0x00000000.  
=====

Starting portqry.exe -n files3 -e 53 -p BOTH ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 53 (domain service): LISTENING

UDP port 53 (domain service): LISTENING  
portqry.exe -n files3 -e 53 -p BOTH exits with return code 0x00000000.  
=====

Starting portqry.exe -n files3 -e 88 -p BOTH ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 88 (kerberos service): LISTENING

UDP port 88 (kerberos service): LISTENING or FILTERED  
portqry.exe -n files3 -e 88 -p BOTH exits with return code 0x00000002.  
=====

Starting portqry.exe -n files3 -e 445 -p TCP ...

Querying target system called:

Re: Can't join a domain

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 445 (microsoft-ds service): LISTENING  
portqry.exe -n files3 -e 445 -p TCP exits with return code 0x00000000.

=====

Starting portqry.exe -n files3 -e 137 -p UDP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

UDP port 137 (netbios-ns service): LISTENING or FILTERED

Using ephemeral source port  
Attempting NETBIOS adapter status query to UDP port 137...

Server's response: MAC address 001485f46acc  
UDP port: LISTENING  
portqry.exe -n files3 -e 137 -p UDP exits with return code 0x00000000.

=====

Starting portqry.exe -n files3 -e 138 -p UDP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

Re: Can't join a domain

UDP port 138 (netbios-dgm service): LISTENING or FILTERED  
portqry.exe -n files3 -e 138 -p UDP exits with return code 0x00000002.

=====  
Starting portqry.exe -n files3 -e 139 -p TCP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 139 (netbios-ssn service): LISTENING  
portqry.exe -n files3 -e 139 -p TCP exits with return code 0x00000000.

=====  
Starting portqry.exe -n files3 -e 42 -p TCP ...

Querying target system called:

files3

Attempting to resolve name to IP address...

Name resolved to 10.1.1.3

querying...

TCP port 42 (nameserver service): NOT LISTENING  
portqry.exe -n files3 -e 42 -p TCP exits with return code 0x00000001.

"Paul Bergson [MVP-DS]" wrote:

Are there any firewalls between the two boxes up and running? Forget about doing a dcpromo until you figure out what why you can't join the domain.

Try running portqryui from the member server to the DC.

<http://www.microsoft.com/downloads/details.aspx?familyid=8355e537-1ea6-4569-aabb-f248f4bd91>

Select the domains and trusts built in query

<http://www.windowsecurity.com/articles/Mastering-PortQryexe-Part2.html>

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Re: Can't join a domain

Paul Bergson  
MVP – Directory Services  
MCT, MCSE, MCSA, Security+, BS CSci  
2003, 2000 (Early Achiever), NT

<http://www.pbbergs.com>

Please no e-mails, any questions should be posted in the NewsGroup  
This posting is provided "AS IS" with no warranties, and confers no  
rights.

"Kolchak" <Kolchak@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:05703DD3-5805-4966-9E12-B74394984914@xxxxxxxxxxxxxxxxxxxxx](mailto:news:05703DD3-5805-4966-9E12-B74394984914@xxxxxxxxxxxxxxxxxxxxx)

Hi,

Been killing me all day, so begging for help :)

I have a machine I want to be a DC at a remote site, but  
DCPROMO is  
failing  
with:

An Active Directory domain controller for the domain DOM  
could not be  
contacted.

The domain name DOM might be a NetBIOS domain name.  
If this is the  
case,  
verify that the domain name is properly registered with  
WINS.

If you are certain that the name is not a NetBIOS domain  
name, then the  
following information can help you troubleshoot your DNS  
configuration.

DNS was successfully queried for the service location (SRV)  
resource  
record  
used to locate a domain controller for domain DOM:

The query was for the SRV record for  
\_ldap.\_tcp.dc.\_msdcs.DOM

The following domain controllers were identified by the  
query:

files1.DOM  
files3.DOM

## Re: Can't join a domain

Common causes of this error include:

- Host (A) records that map the name of the domain controller to its IP addresses are missing or contain incorrect addresses.
- Domain controllers registered in DNS are not connected to the network  
or  
are not running.

This machine is using files1 and files3 as its DNS servers. Files1 and files3 are both at HQ, I'm at the remote site. A VPN is setup and no ports are currently being blocked. I can also do the following:

```
set q=srv
_ldap._tcp.dc._msdcs.DOM
```

```
Server: files3.DOM
Address: 10.1.1.3
```

```
_ldap._tcp.dc._msdcs.DOM SRV service location:
priority = 0
weight = 100
port = 389
svr hostname = files3.DOM
_ldap._tcp.dc._msdcs.DOM SRV service location:
priority = 0
weight = 100
port = 389
svr hostname = files1.DOM
files3.DOM internet address = 10.1.1.3
files1.DOM internet address = 10.1.1.1
```

So srv can be located. The same error happens when I try and add the machine to the domain. Both existing DCs can be pinged, and an nmap of them both from the remote site returns hundreds of open ports, with all the expected ones marked opened. I am absolutely stumped – any ideas??? I've run DCDIAG

Re: Can't join a domain

on a  
domain controller and everything is fine... please help :)

Cheers,  
Karl