

RE: ICS clients cannot connect

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2004-06/21578.html>

From: Ashleigh (*Ashleigh_at_discussions.microsoft.com*)

Date: 06/21/04

Date: Mon, 21 Jun 2004 09:42:03 -0700

Strange, it looks like the DHCP part of ICS is not working as it should (if the card has a 169.x.x.x address then it's failed to get one, and this is an 'emergency' address that windows gives itself)

Try going to a client machine and inputing the address manually (detailed in last post, but)

Start / Control Panel / Network

Dbl click the network card

Select properties

Select Internet protocol, then properties

Select manual address

set ip to 192.168.0.10
set subnet to 255.255.255.0
set default gateway to 192.168.0.1
set dns master to 192.168.0.1
set second dns to 158.152.1.58

Ok, apply

goto cmd.exe type "ipconfig /all" and you should get the details of what you typed above back.

Try "ping 192.168.0.1" if that works then this pc should get onto the internet, if not then my guess would be either a dodgy card in the ics master, or duff hub/router/switch between the boxes. To check use a crossover cable between the host and the client and see if you can then ping the host (192.168.0.1), if not then probably a bad nic in the host, if you can then almost definatly an issue with the connectivity between the boxes (cable / switch / router / hub)

DHCP should not be turned on on the master, just on the clients as ICS has a DHCP Server built into it. Also make sure the firewall is disabled on the master.

Give that a go and let me know

Ashleigh

"Peter" wrote:

```
> I've got this from the ICS host:
>
> C:\>ipconfig /all
>
> Windows IP Configuration
>
> Host Name . . . . . : My name
> Primary Dns Suffix . . . . . :
> Node Type . . . . . : Unknown
> IP Routing Enabled. . . . . : No
> WINS Proxy Enabled. . . . . : No
>
> Ethernet adapter Local Area Connection 2:
>
> Connection-specific DNS Suffix . :
> Description . . . . . : Realtek
> RTL8139 Family PCI Fast Ethernet NIC
> Physical Address. . . . . : 00-C0-49-D5-
> A2-D1
> Dhcp Enabled. . . . . : No
> IP Address. . . . . : 192.168.0.1
> Subnet Mask . . . . . : 255.255.255.0
> Default Gateway . . . . . :
>
> PPP adapter {E79B87ED-3382-4865-8E3D-B88972C8C4AF}:
>
> Connection-specific DNS Suffix . :
> Description . . . . . : WAN
> (PPP/SLIP) Interface
> Physical Address. . . . . : 00-53-45-00-
> 00-00
> Dhcp Enabled. . . . . : No
> IP Address. . . . . : 62.64.207.26
> Subnet Mask . . . . . :
> 255.255.255.255
> Default Gateway . . . . . : 62.64.207.26
> DNS Servers . . . . . : 213.235.53.17
> 213.235.53.19
>
>
> This is from one of ICS clients:
>
>
> C:\>ipconfig /all
>
> Windows IP Configuration
>
> Host Name . . . . . : 2ndname
> Primary Dns Suffix . . . . . :
```

> *Node Type : Mixed*
> *IP Routing Enabled. : No*
> *WINS Proxy Enabled. : No*
>
> *Ethernet adapter Local Area Connection 2:*
>
> *Connection-specific DNS Suffix . :*
> *Description : Realtek*
> *RTL8139 Family PCI Fast Ethe*
> *rnet NIC*
> *Physical Address. : 00-C0-49-D5-*
> *A2-F1*
> *Dhcp Enabled. : Yes*
> *Autoconfiguration Enabled . . . : Yes*
> *Autoconfiguration IP Address. . . : 169.254.164.3*
> *Subnet Mask : 255.255.0.0*
> *Default Gateway :*
>
>
> *I turned off ICS host and then enabled it. The Wizard*
> *did not appear to take me through any process. I went to*
> *the client and entered "ipconfig /release". It looked*
> *ok. But when I renewed it, I received: "An error*
> *occurred when renewing interface Local Area Connection:*
> *unable to contact your DHCP server. Request has timed*
> *out."*
>
> *The DHCP on my ICS host is not enabled. Why should it be*
> *enabled since ICS which automatically assigns IP*
> *addresses when enabled ?*
>
> *Also the Default Gateway are blank at both host and*
> *client ?*
>
> *Regards*
>
> *Peter*
>
> *>-----Original Message-----*
> *>No problems, try keep it simple.*
> >
> *>On the host machine goto a command prompt (start / run /*
> *cmd.exe)*
> >
> *>Type "ipconfig /all" and you should get something*
> *similar (not exactly the same though as this is from*
> *longhorn) as*
> >
> *>Windows IP Configuration*
> >
> *> Host Name : LH-AGFVA03ECR8T*

> > *Primary Dns Suffix :*
> > *Node Type : Hybrid*
> > *IP Routing Enabled. : No*
> > *WINS Proxy Enabled. : No*
> > *DNS Suffix Search List. : corp.pg.eon.net*
> > *powergen.int*
> > *retail.pg.eon.net*
> >
> > *Ethernet adapter Local Area Connection 2:*
> >
> > *Connection-specific DNS Suffix . : corp.pg.eon.net*
> > *Description : Intel(R) PRO/100*
> > *VM Network Connection*
> > *Physical Address. : 00-02-A5-7D-AF-6C*
> > *DHCP Enabled. : Yes*
> > *Autoconfiguration Enabled : Yes*
> > *Link-local IPv6 Address :*
> > *fe80::202:a5ff:fe7d:af6c%2*
> > *IPv4 Address. : 10.80.97.175*
> > *Subnet Mask : 255.255.255.0*
> > *Lease Obtained. : 21 June 2004*
> > *15:58:58*
> > *Lease Expires : 29 June 2004*
> > *15:58:58*
> > *Default Gateway : 10.80.97.1*
> > *DHCP Server : 10.80.96.12*
> > *DNS Servers : fec0:0:0:ffff::1%1*
> > *fec0:0:0:ffff::2%1*
> > *fec0:0:0:ffff::3%1*
> > *10.80.96.11*
> > *10.80.96.12*
> > *Primary WINS Server : 10.80.96.11*
> > *Secondary WINS Server : 10.82.3.11*
> > *NetBIOS over Tcpip. : Enabled*
> >
> > *Your looking to make sure that your IP address is*
> > *192.168.0.1*
> >
> > *After you have made sure that this is in fact correct*
> > *goto one of the client machines and do the same, the ip*
> > *address on this machine should be 192.168.0.x where x is*
> > *a number between 2 and 253. Also on the client machine*
> > *make sure the default gateway is 192.168.0.1.*
> >
> > *2 things to try if both machines are setup like this,*
> > *then try turning ICS off (right click the dialup/internet*
> > *connection from the network control panel icon. then*
> > *advanced and untick the ICS tick. Ok that then right*
> > *click and turn it back on, go through the wizard and it*
> > *will reset the ICS settings back to there defaults.*
> >

> >After you have done that try typing "ipconfig /release"
> then "ipconfig /renew" on the client machine, this should
> then get a network address from the ics host machine
> (192.168.0.x). If you dont get an IP address or the
> address starts with 169.x.x.x then there is a network
> problem, does the router/hub work? (try using a crossover
> cable between the host and one of the clients and repeat
> the above steps), or it may be a dodgy driver/card on the
> host machine or the firewall is enabled (see 3 steps
> below).
> >
> >Now from a command prompt on the client machine
> type "tracert cisco.com" and see if it A-Finds the IP
> address for cisco.com, and B-traces to the ip address
> (make sure there are no *'s in the trace). If that works,
> then try internet explorer on the client.
> >
> >If all this works then either reboot all the client
> machines, or "ipconfig /renew" on them, they should all
> then work.
> >
> >If you still have problems, there are a few things to
> check, from a command prompt on the client machines
> type "ping 192.168.0.1" and make sure that works, if it
> does then type "telnet www.microsoft.com 80" and press
> enter twice and see if you get a 400 error.
> >
> >If you cannot ping 192.168.0.1 make sure the firewall is
> turned off on the network card for the local connection,
> goto network control panel icon, right click the network
> card, select advanced and make sure the firewall is not
> enabled. if this is allready not enabled, try pinging one
> of the client machines from the host type "ping
> 192.168.0.x" (where x is the address you got from above)
> and see if that works.
> >
> >If you are still struggling, on one of the client
> machines goto control panel / network and select the
> network card, click properties, Internet Protocol (tcp
> ip) properties, then in the field fill in
> >
> >Use the following Ip Address (selected)
> >
> >IP Address 192.168.0.10
> >Subnet Mask 255.255.255.0
> >Default Gateway 192.168.0.1
> >
> >Use the following DNS server (selected)
> >Preferred DNS server 192.168.0.1
> >Alternate DNS server 158.152.1.58 (demon in the UK)
> >

> >Click OK all the way out, now try pinging cisco.com /
> 192.168.0.1 if this works then the DHCP seems to be
> failing on the host, you can manually configure all the
> clients this way (change the 192.168.0.10 to 11, then 12
> etc), or check to see if your router/switch is blocking
> the traffic (dependant on what your using).
> >
> >Have a flick through and shout if something makes no
> sense.
> >
> >Ashleigh
> >
> >"Peter" wrote:
> >
> >> Thanks Ashleigh
> >>
> >> I tried to ping from the one of my ICS client using
> >> 192.168.0.1 . The reply I received is "Desitination
> >> host unreachable".
> >>
> >> You said if it fails at the 192.168.0.1 then the issue
> > is
> >> with that. I don't understand what you mean by "the
> >> issue is with that".
> >>
> >> The rest of your reply is not traightforward to me as
> > I
> >> am not as technical as you are. Also I am not sure as
> > to
> >> how I can do "tracerouting to cisco.com" or "telnet".
> >> You would be helpful if you can help me carry out
> > these
> >> tests step-by-step.
> >>
> >> I appreciate it.
> >>
> >> Regards
> >>
> >>
> >> >-----Original Message-----
> >> >Try pinging from one of the ics client computers to
> > the
> >> ics host, if that works try tracerouting to cisco.com
> >> (tracert cisco.com) and see where it fails you should
> >> have something like : -
> >> >
> >> >Tracing route to cisco.com [198.133.219.25]
> >> >over a maximum of 30 hops:
> >> >
> >> > 1 lms lms lms 192.168.0.1 (ics host computer)
> >> > 2 lms lms lms isp.router

> > > 3 Ims Ims Ims isp.router
> > > 4 Ims Ims Ims isp.router
> > > 5 Ims Ims Ims isp.router
> > > 6 Ims Ims Ims cisco.com
> > >
> > > If it fails at the 192.168.0.1 then the issue is with
> > that, if it cant find an ip address for cisco.com try
> > using the cisco.com ip address (see above) and see if
> > that works. if that does work then you have a dns
> issue
> > with the client machines, either manually configure
> the
> > dns on the machines to point to your isp's dns server
> (do
> > ipconfig /all on the host machine for that
> information)
> > it should then work, and so should IE.
> > >
> > > If it's all working at an ICMP level (tracroute)
> then
> > it's an issue most likely on the host machine, try
> typing
> > from a command prompt on one of the clients "telnet
> > www.microsoft.com 80" and press enter twice, if you
> get a
> > 400 error message from an iis server then it should
> work
> > in IE, make sure there is no proxy configuration in
> the
> > IE machines.
> > >
> > > Anything else let me know, or let me know what is /
> isnt
> > working and maybe I can help further.
> > >
> > > "Peter" wrote:
> > >
> > > Hi
> > >
> > > Windows XP pro (ICS Host)
> > > Windows 2000 pro (ICS client)
> > > Windows XP pro (ICS client)
> > >
> > > Everything was working smoothly. Today I turned
> the
> > > machines on. I dialled up and connected. The
> clients
> > > did not want to connect. When I opened the
> Internet
> > > browser on the clients machines, "Page cannot be
> > > displayed" appears. I hit F5 and the same page

> >> >> *reappears. I also did what the following KB says:*

> >> >>

> >> >> <http://support.microsoft.com/?id=311070>

> >> >>

> >> >> *But it did not correct the problem.*

> >> >>

> >> >> *Can anyone please help ?*

> >> >>

> >> >> *Thanks a lot*

> >> >>

> >> >.

> >> >

> >>

> >.

> >

>