

## Re: Can't ftp from Linux box to windows-server – setsockopt

**Source:**

<http://www.tech-archive.net/Archive/Internet-Server/microsoft.public.inetserver.iis.ftp/2004-12/0023.html>

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**From:** Bernard (*qbernard\_at\_hotmail.com.discuss*)

**Date:** 12/03/04

Date: Fri, 3 Dec 2004 18:35:52 +0800

Maybe I was confused. but your previous post is using passive mode.  
> > 227 Entering Passive Mode (aaa,bbb,ccc,ddd,9,202).

But for XP –  
PORT 192,168,1,37,4,100

The valid default ephemeral port range is for IIS 4/5 is 1024–5000  
 $4 * 256 + 100 = 1124$   
hence it is within the range.

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Regards,

Bernard Cheah

<http://www.tryiis.com/>

<http://support.microsoft.com/>

<http://www.msmvps.com/bernard/>

"B H" <check4junk@gmail.com> wrote in message  
news:v%Vrd.19933\$Km6.252660@news4.e.nsc.no...

> "Alun Jones [MSFT]" <alunj@online.microsoft.com> wrote in message  
> news:eT7WWgI2EHA.1188@tk2msftngp13.phx.gbl...

> > These values represent the port number your client is asked to connect  
to.

> > In this case,  $9 * 256 + 202 = 2506$ , so the client is being asked to  
connect

> to

> > port 2506 at aaa.bbb.ccc.ddd.

> >

> > It seems like you've got some restrictive firewall issues going on  
between

> > your two systems. If active mode works from a different machine, as  
> you've

> > suggested, but passive mode never works, that means that the firewall at  
> the

> > server is preventing incoming connections to the range of ports that the

> > server chooses from for passive mode connections. If you can not change

> > that firewall's configuration, you will need to use active mode to  
> connect.

> > Your Linux box appears to prevent that, by not opening up its own  
> firewalls

> > to incoming FTP data connections.

>

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> Thank you for the thorough reply.
> I think we're closing in on the solution now. I reinstalled Linux
yesterday
> and
> enabled the firewall in the Linux-box but marked for opening of among
other
> the ftp protocol. There were no more detailed sepcifications during
> installastions.
>
> But I have noticed one possibly important thing....
> After debugging the ftp-log on my Windows XP box...which is the one which
> works for ftp to the same server I try to connect to with my
> Linux-box.....I
> noticed that it choses ports from a much lower number. The 9 increment
> which is used for the Linux-box which should be added by 256 is 4 on the
> XP box. So this means that ports given on the XP box starts at:
>
> 4 * 256 = 1024
>
> So maybe a solution could be to find how I specify this increment number
> and change it from 9 to 4. I guess I have to dig in some manual pages.
>
> ===LOG FROM XP BOX===
> D:\Mine dokumenter>ftp -d www.mysite.com
> Koblet til iis11.online.no.
> 220 iis11 Microsoft FTP Service (Version 4.0).
> Bruker (iis11.online.no:(none)): myuser
> ---> USER b-haga
> 331 Password required for myuser.
> Passord:
> ---> PASS mypassword
> 230-Welcome to <myisp> shared windows hosting platform.
> 230-Find more information about <myisp> products on blabla
> 230-
> 230-See our Web-support FAQ pages at http://webfaq.blabla
> 230 User myser logged in.
> ftp> put hmmm.rtf
> ---> PORT 192,168,1,37,4,100
> 200 PORT command successful.
> ---> STOR hmmm.rtf
> 150 Opening ASCII mode data connection for hmmm.rtf.
> 226 Transfer complete.
> FTP: 3317 byte overført p?0,00sekunder 3317000,00kB/sek.
> ftp> status
> Connected to iis11.xxx.yy.
> Write: ascii; Control: On ; Sound: Off ; Leading text: On ; globbi
> ng: On
> Debug: On ; Enable write of number signs: Off .
> ftp> get reciprocal.htm
> ---> PORT 192,168,1,37,4,101
> 200 PORT command successful.
> ---> RETR reciprocal.htm
> 150 Opening ASCII mode data connection for reciprocal.htm(501 bytes).
> 226 Transfer complete.
> FTP: 501 byte mottatt p?0,00sekunder 501000,00kB/sek.
> ftp> ls
> ---> PORT 192,168,1,37,4,102
> 200 PORT command successful.
> ---> NLST
> 150 Opening ASCII mode data connection for file list.
> hmmm.rtf
> reciprocal.htm
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> [etc.....]
> 226 Transfer complete.
> FTP: 433 byte mottatt p?0,02sekunder 27,06kB/sek.
> ftp> bye
> ---> QUIT
> 221 Bye!
> =====
>
> Borge
>
>
```