

Agilent 871xC,E Screen Capture via Lan and FTP

Question:

Are there details regarding how to acquire a screen capture via the LAN interface on the AGILENT 871x-Series network analyzers?

Answer:

Yes. The following information assumes the user has obtained and entered an IP Address (and if desired a hostname) in the analyzer. IP addresses are usually requested from, and provided by, an Information Technology (IT) group within a company. Additionally, the process outlined below was executed on an Agilent Kayak/XU PC running Windows NT using these steps:

- Initiate a Microsoft DOS[®] session.
- Type in 'ftp' to initiate a file transfer protocol session.
- Type in 'open' to direct the ftp session.
- Enter the IP address (or host name) of the 871x analyzer connected to the LAN.
- Press 'Enter' when "USER" prompt appears.
- Press 'Enter' when "Enter PASS command" prompt appears.
- Change the directory (on the 871x analyzer) to the dynamic disk via the following command 'cd data'.
- Configure the analyzer to transmit the requested data/file via a binary protocol method via the 'bin' command.
- Request the display file in gif format via the command 'get screen.gif'.
- The file screen.gif is now available on the root drive of your pc.

Notes:

• At the time of publication of this document there were 19 different file formats on the ftp dynamic disc of the 871x. Each file type provides a different type of information transfer capability, e.g. obtain an hpgl file, gif file, pcx file, Channel 1 or 2 measurement data, calibration data, etc. Each file has a specific requirement on the transfer format, i.e. binary or ASCII.

Figure 1. FTP Session with 871x analyzer (example shows host name of hp871xonlan.nsr.hp.com)

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 Command Prompt - ftp
C:\>ftp
ftp> open
(to) hp871xonlan
Connected to hp871xonlan.nsr.hp.com.
220 HP871xE FTP version 930507 (KA9Q) ready at Fri Apr 16 14:22:18 1999
User (hp871xonlan.nsr.hp.com:(none)):
331 Enter PASS command
Password:
230 Logged in
ftp> cd data
257 "/data" is current directory
ftp> bin
200 Type I 0K
ftp> get screen.gif
200 Port command okay
150 Opening data connection for RETR /data/screen.gif
226 File sent OK
11109 bytes received in 3.88 seconds (2.87 Kbytes/sec)
ftp> get screen.gif c:\data\ms\word\lastscreen.gif
200 Port command okay
150 Opening data connection for RETR /data/screen.gif
226 File sent OK
11109 bytes received in 3.95 seconds (2.81 Kbytes/sec)
ftp> _
```

Figure 2. Resulting .gif image following the FTP session:

