Full credit is given to the above companies including the OS that this PDF file was generated!

Linux Ubuntu 22.4.5 Manual Pages on command 'xtigervncviewer.1'

$ man xtigervncviewer.1

xtigervncviewer(1) Virtual Network Computing xtigervncviewer(1)

NAME

xtigervncviewer - VNC viewer for X

SYNOPSIS

xtigervncviewer [options] [host][:display#]

xtigervncviewer [options] [host][::port]

xtigervncviewer [options] [unix socket]

xtigervncviewer [options] -listen [port]

xtigervncviewer [options] [.tigervnc file]

DESCRIPTION

xtigervncviewer is a viewer (client) for Virtual Network Computing. This manual page documents version 4 for the X window system.

If you run the viewer with no arguments it will prompt you for a VNC server to con? nect to. Alternatively, specify the VNC server as an argument, e.g.:

xtigervncviewer snoopy:2

where 'snoopy' is the name of the machine, and '2' is the display number of the VNC server on that machine. Either the machine name or display number can be omitted. So for example ":1" means display number 1 on the same machine, and "snoopy" means "snoopy:0" i.e. display 0 on machine "snoopy".

As another quick way to start a connection to a VNC server, specify a .tigervnc configuration file as an argument to the viewer, e.g.:

xtigervncviewer ./some.tigervnc

where './some.tigervnc' is an existing and valid TigerVNC configuration file. The file name needs to include a path separator. Additional options may be given too, but the given configuration file will overwrite any conflicting parameters.

If the VNC server is successfully contacted, you will be prompted for a password to authenticate you. If the password is correct, a window will appear showing the desktop of the VNC server.

AUTOMATIC PROTOCOL SELECTION

The viewer tests the speed of the connection to the server and chooses the encoding and pixel format (color level) appropriately. This makes it much easier to use than previous versions where the user had to specify arcane command line arguments.

The viewer normally starts out assuming the link is slow, using the encoding with the best compression. If it turns out that the link is fast enough it switches to an encoding which compresses less but is faster to generate, thus improving the in? teractive feel.

The viewer normally starts in full-color mode, but switches to low-color mode if the bandwidth is insufficient. However, this only occurs when communicating with servers supporting protocol 3.8 or newer, since many old servers does not support color mode changes safely.

Automatic selection can be turned off by setting the AutoSelect parameter to false, or from the options dialog.

POPUP MENU

The viewer has a popup menu containing entries which perform various actions. It is usually brought up by pressing F8, but this can be configured with the MenuKey parameter. Actions which the popup menu can perform include:

* switching in and out of full-screen mode
* quitting the viewer
* generating key events, e.g. sending ctrl-alt-del
* accessing the options dialog and various other dialogs

By default, key presses in the popup menu get sent to the VNC server and dismiss the popup. So to get an F8 through to the VNC server simply press it twice.

FULL SCREEN MODE

A full-screen mode is supported. This is particularly useful when connecting to a remote screen which is the same size as your local one. If the remote screen is

bigger, you can scroll by bumping the mouse against the edge of the screen.

OPTIONS (PARAMETERS)

You can get a list of parameters by giving -h as a command-line option to xtigervncviewer. Parameters can be turned on with -param or off with -param=0. Parameters which take a value can be specified as -param value. Other valid forms are param=value -param=value --param=value. Parameter names are case-insensitive. Many of the parameters can also be set graphically via the options dialog box. This can be accessed from the popup menu or from the "Connection details" dialog box.

-display Xdisplay

Specifies the X display on which the VNC viewer window should appear.

-geometry geometry

Initial position of the main VNC viewer window. The format is widthx? height+xoffset+yoffset , where `+' signs can be replaced with `-' signs to specify offsets from the right and/or from the bottom of the screen. Off? sets are optional and the window will be placed by the window manager by de? fault.

-listen [port]

Causes xtigervncviewer to listen on the given port (default 5500) for re? verse connections from a VNC server. WinVNC supports reverse connections initiated using the 'Add New Client' menu option or the '-connect' command-line option. Xtigervnc supports reverse connections with a helper program called tigervncconfig.

-SecurityTypes sec-types

Specify which security schemes to attempt to use when authenticating with the server. Valid values are a comma separated list of None, VncAuth, Plain, TLSNone, TLSVnc, TLSPlain, X509None, X509Vnc and X509Plain. Default is to attempt every supported scheme.

-passwd, -PasswordFile password-file

If you are on a filesystem which gives you access to the password file used by the server, you can specify it here to avoid typing it in. It will usu? ally be "~/.vnc/passwd".

-X509CA path

Path to CA certificate to use when authenticating remote servers using any of the X509 security schemes (X509None, X509Vnc, etc.). Must be in PEM for? mat. Default is $HOME/.vnc/x509_ca.pem, if it exists.

-X509CRL path

Path to certificate revocation list to use in conjunction with -X509CA. Must also be in PEM format. Default is $HOME/.vnc/x509_crl.pem, if it exists.

-Shared

When you make a connection to a VNC server, all other existing connections are normally closed. This option requests that they be left open, allowing you to share the desktop with someone already using it.

-ViewOnly

Specifies that no keyboard or mouse events should be sent to the server. Useful if you want to view a desktop without interfering; often needs to be combined with -Shared.

-AcceptClipboard

Accept clipboard changes from the server. Default is on.

-SetPrimary

Set the primary selection as well as the clipboard selection. Default is on.

-MaxCutText bytes

The maximum size of a clipboard update that will be accepted from a server. Default is 262144.

-SendClipboard

Send clipboard changes to the server. Default is on.

-SendPrimary

Send the primary selection to the server as well as the clipboard selection. Default is on.

-Maximize

Maximize viewer window.

-FullScreen

Start in full-screen mode.

-FullScreenAllMonitors

Use all local monitors and not just the current one when switching to full-

screen mode.

-FullscreenSystemKeys

Pass special keys (like Alt+Tab) directly to the server when in full-screen mode.

-DesktopSize widthxheight

Instead of keeping the existing remote screen size, the client will attempt to switch to the specified since when connecting. If the server does not support the SetDesktopSize message then the screen will retain the original size.

-RemoteResize

Dynamically resize the remote desktop size as the size of the local client window changes. Note that this may not work with all VNC servers.

-AutoSelect

Use automatic selection of encoding and pixel format (default is on). Nor? mally the viewer tests the speed of the connection to the server and chooses the encoding and pixel format appropriately. Turn it off with -AutoSe? lect=0.

-FullColor, -FullColour

Tells the VNC server to send full-color pixels in the best format for this display. This is default.

-LowColorLevel, -LowColourLevel level

Selects the reduced color level to use on slow links. level can range from 0 to 2, 0 meaning 8 colors, 1 meaning 64 colors (the default), 2 meaning 256 colors. Note that decision if reduced color level is used is made by xtigervncviewer. If you would like to force xtigervncviewer to use reduced color level use -AutoSelect=0 parameter.

-PreferredEncoding encoding

This option specifies the preferred encoding to use from one of "Tight", "ZRLE", "hextile" or "raw".

-NoJpeg

Disable lossy JPEG compression in Tight encoding. Default is off.

-QualityLevel level

JPEG quality level. 0 = Low, 9 = High. May be adjusted automatically if -Au?

toSelect is turned on. Default is 8.

-CompressLevel level

Use specified lossless compression level. 0 = Low, 6 = High. Default is 2.

-CustomCompressLevel

Use custom compression level. Default if CompressLevel is specified.

-DotWhenNoCursor

Show the dot cursor when the server sends an invisible cursor. Default is off.

-PointerEventInterval time

Time in milliseconds to rate-limit successive pointer events. Default is 17 ms (60 Hz).

-Log logname:dest:level

Configures the debug log settings. dest can currently be stderr or stdout, and level is between 0 and 100, 100 meaning most verbose output. logname is usually * meaning all, but you can target a specific source file if you know the name of its "LogWriter". Default is *:stderr:30.

-MenuKey keysym-name

This option specifies the key which brings up the popup menu. The currently supported list is: F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, Pause, Scroll_Lock, Escape, Insert, Delete, Home, Page_Up, Page_Down). Default is F8.

-via gateway

Automatically create encrypted TCP tunnel to the gateway machine before con? nection, connect to the host through that tunnel (TigerVNC-specific). By de? fault, this option invokes SSH local port forwarding, assuming that SSH client binary can be accessed as /usr/bin/ssh. Note that when using the -via option, the host machine name should be specified as known to the gateway machine, e.g. "localhost" denotes the gateway, not the machine where xtigervncviewer was launched. The environment variable VNC_VIA_CMD can over? ride the default tunnel command of /usr/bin/ssh -f -L "$L":"$H":"$R" "$G" sleep 20. The tunnel command is exe? cuted with the environment variables L, H, R, and G taken the values of the local port number, the remote host, the port number on the remote host, and

the gateway machine respectively.

-AlertOnFatalError

Display a dialog with any fatal error before exiting. Default is on.

FILES

$HOME/.vnc/default.tigervnc

Default configuration options. This file must have a "magic" first line of "TigerVNC Configuration file Version 1.0" (without quotes), followed by sim? ple <setting>=<value> pairs of your choosing. The available settings are those shown in this man page.

$HOME/.vnc/x509_ca.pem

Default CA certificate for authenticating servers.

$HOME/.vnc/x509_crl.pem

Default certificate revocation list.

SEE ALSO

Xtigervnc(1), tigervncpasswd(1), tigervncconfig(1), tigervncserver(1)

https://www.tigervnc.org

AUTHOR

Tristan Richardson, RealVNC Ltd. and others.

VNC was originally developed by the RealVNC team while at Olivetti Research Ltd / AT&T Laboratories Cambridge. TightVNC additions were implemented by Constantin Kaplinsky. Many other people have since participated in development, testing and support. This manual is part of the TigerVNC software suite.

TigerVNC xtigervncviewer(1)