Running Your Machine Remotely

Connecting from your PC to Unix Applications Using Exceed

Running Exceed While At Your Wired Desktop

Viewing Unix applications (Landmark and Geolog) from your PC

Exceed is a program that enables you view Unix applications, such as Landmark and Geolog from your PC.

1. Have the sysadmins load Exceed onto your computer, the actual software package is called "Hummingbird Connectivity"
2. Start -> Programs -> Hummingbird Connectivity 2008 -> Exceed Tools -> Exceed XDMCP Broadcast
3. Choose either "amd1..." or "amd2..." as the server connection. As soon as you do that, your computer should immediately show the Linux start-up screen. You can then log in and use the Linux as if you were directly logged in. To toggle back and forth between systems, simply click the "Windows" button on your keyboard (bottom left corner)

Running Exceed Wirelessly

You must also add this registry file to your Program files!

../Current/All_Access/Exceed/exceed_transport.reg

(This can not be downloaded from the web, you must go and

copy/paste it to the Program Files on your computer, see instructions above)

Note: Running wirelessly works for Geolog, but Matlab is SLOW

Exceed is a program that enables you view Unix applications, such as Landmark and Geolog from your PC. If you are not on the wired network, you can get access to it via the 'restricted' wireless network and VPN (Virtual Private Network). For further information on VPN, go to http://www.ig.utexas.edu/techdocs/wireless.htm.

1. Have the sysadmins load Exceed onto your computer, the actual software package is called "Hummingbird Connectivity".
2. Start VPN Client "Cisco" and connect to "utvpn" with your EID and password
3. Before you start Exceed, save the file <exceed_transport.reg>, best to "C:\Program Files\Hummingbird\Connectivity\13.00\Exceed". Run this registry file by double-clicking on it. Click "Yes".
4. Start -> Programs -> Hummingbird Connectivity 2008 -> Exceed Tools -> Exceed XDMCP Query.
5. Enter the IP address 129.116.220.11 for "amd1" as server connection. As soon as you do that, your computer should show the Linux start-up screen. You can then log in and use the Linux as if you were directly logged in.

To toggle back and forth between systems, simply click the “Windows” button on your keyboard (bottom left corner).

Running Exceed Remotely (off campus)

Note: Use this for Matlab

1. Exceed is a program that enables you view Unix applications, such as Landmark and Geolog from your PC. If you are out of office using a laptop for example and you have a fast PC in your office, you can remotely connect to it to run Exceed from there. This option is faster than using Exceed wirelessly, especially for applications like Matlab, partly because Remote Desktop Connection does graphics area compression.
2. Have the sysadmins load Exceed onto your computer, the actual software package is called “Hummingbird Connectivity”.
3. Start VPN Client “Cisco” and connect to “utvpn” with your EID and password (for further information on VPN, go to http://www.ig.utexas.edu/techdocs/wireless.htm).
4. Make sure your computer is enabled for Remote Desktop Connection. Check under Start -> Control Panel -> Performance and Maintenance -> System, click on the register “Remote” and check “Allow users to connect remotely to this computer”. Say “Apply” and “OK”.
5. Start -> All Programs -> Accessories -> Remote Desktop Connection. If this application is not there, it is in the subfolder “Communications”.
6. Enter the IP address of the PC you want to connect to remotely (e.g. at UTIG 129.116.220.xx).
7. Your computer should show the Windows start-up screen on your PC in the office with a little task line at the top of the screen displaying the IP address. You can then use the Windows as if you were directly logged in.
8. Start -> All Programs -> Hummingbird Connectivity 2008 -> Exceed Tools -> Exceed XDMCP Query.
9. Enter the IP address 129.116.220.11 for “amd1” as server connection. As soon as you do that, your computer should immediately show the Linux start-up screen. You can then log in and use the Linux as if you were directly logged in.

Access UTIG Desktop Remotely

You may use eXceed or X11 windows on your local system to login to most Unix systems; use XDMCP Broadcast if it is available to see the entire list of all computers. You may also use ssh (with -X for Linux or MacOSX xterm) to connect to a specific Unix system. Some applications (notably Matlab) may be slowed down by the encryption inherent in ssh, and rlogin plus "setenv DISPLAY xxx:0" (where xxx is the name of your local system) provides better performance.

You can access nearly all Unix/Linux system via ssh from remote Windows/MacOSX/Unix systems (you may want to enable "X11 Tunneling" also). Most users find that remote X11 is slower than remote desktop or VNC unless you are on a high speed internet connection. Remote Desktop is built into Windows, and freely available for MacOSX or for Linux. VNC is a similar package; both essentially recreate a remote desktop screen on your local machine. They were designed to tolerate the delays of longer distance networks, and so often have a better experience than X11 itself. To use Remote Desktop, you need:

A windows pc at UTIG which is "yours" - nobody else will be able to use it while you do; it must be set up once:

1. You must turn on remote access: start -> control panel -> system -> remote -> Remote Desktop checked "on"
2. Check that start -> control panel -> windows firewall -> exceptions -> Remote Desktop permits access
3. You must be a local administrator, or have your login added to the approved list on that machine
4. You must note the local IP number or DNS name (not the Windows name). Start -> control panel -> network -> local rea connection -> status and note the number which starts 129.116.xxx.yyy. This is this machine's IP address or number.

You must each time:

1. make sure the UTIG system is turned on. If you have a newer system, you may have to set power settings so it doesn't sleep.
2. on your remote machine, start the UT VPN https://vpn.utexas.edu (or be on the local wireless or UT PublicNetwork)
3. start -> all programs -> accessories -> remote desktop connection (it may be hiding in a sub-folder if not at the top level)
4. Enter the IP address or DNS name you remembered above.
5. Logon with your UTIG Windows username and password.

While a remote connection is active, users at UTIG will see a locked desktop, and only you (or an administrator) will be able to break the connection to make the local computer available again until the remote session is ended. To end the remote session, just click the close (X) box in the upper right. This does not log you out; you are still logged in to the UTIG system, and the desktop is still locked until you (or an admin) unlock(s) it locally, or you start another remote desktop session.