about setting up and running tclSadie.

It helps to have some experience setting up software under UNIX before attempting this install! See your local system manager for assistance, and we can provide some assistance – contact the instructor.

Method #3 - For Students With a Windows PC

For anyone who has access to a Windows PC computer, tclSadie can be downloaded and installed locally on your machine. The source code file:

tclSadie-2.0.0-windows.exe

is also available via the DIAL webpage under software or

http://www.ece.arizona.edu/~dial/base_files/NewPage/softwa~1.htm.
The file is self-extracting and will place the required executable files and documentation in a directory that you specify.

WARNING: The Windows version of tclSadie is known to have memory problems (particularly with larger images), which might cause your system to crash. This will not damage your system, but will likely be very annoying. Printing in the Windows version of tclSadie is disabled.

Method #4 - For Students With Access to a Non-Solaris X-windows System on Campus (for example, a CCIT X-terminal lab)

For students who have access to a non-Solaris Xwindows system on campus (e.g. CCIT X-terminal lab), it is possible to run tclSadie off of our Sun Server and display it on your local terminal.

1. Get a ECE unix account: https://account.ece.arizona.edu/
2. Login to an X-terminal or a UNIX workstation with X-windows.
3. On your local X-terminal, type the command "xhost ece2.ece.arizona.edu".
4. In an X-terminal window, type "ssh –l [yourUserName] shell.ece.arizona.edu".
5. Type your password and then "ssh ece2" and login
6. Find the name of the computer you are using. In CCIT X-Term labs, the name should be labeled on the front of the monitor.
6. In the ece2 window, type "setenv DISPLAY COMPUTERNAME:0" where COMPUTERNAME is replaced by the name of the computer you are using. (e.g., if you are using xterm123.ccit.arizona.edu, type:
   "setenv DISPLAY xterm123.ccit.arizona.edu:0"
7. Type "/opt/tclSadie-2.0.0/tclSadie/tclSadie "
   tclSadie should now be up and running!

Method #5 - For Students Who Wish To Work In The Digital Image Analysis Lab (DIAL - ECE 408)

To work directly on one of the Sun workstations in DIAL (ECE 408):

1. Alert instructor that you plan on working in the lab and obtain a password
2. Knock on the door of ECE 408 some one should be there to let you in most of the time from 8 am-5pm Monday through Friday.
3. explane that you are a ece 531 student who wishes to use the lab they will show you which computer to use
4. Login to one of the Sun workstations with the following name and password:
   Login Name: dials
   Password: see instructor
5. In an xterm window, type "tclSadie"

tclSadie should now be up and running!

Other Methods

4. There is a Macintosh version available for download on the class website.
5. TclSadie software can be custom compiled for UNIX platforms other than Solaris or Linux, such as Silicon Graphics IRIX. The file tclSadie-2.0.0-source.tar.gz is available for creating an executable file from the source code. The source code depends on tcl8.3, tk8.3, and Img1.2 libraries to be compiled and available for linking on your target system.

Documentation

Documentation on the usage of tclSadie is currently available:

6. On the internet (HTML): http://www.ece.arizona.edu/~dial/tclsadie.

Helpful Hints:

1. Different window managers cause tclSadie to behave differently. If you have trouble running tclSadie under your window manager you might try using the Common Desktop Environment or fvwm2 instead.
2. By default, tclSadie is set to dither images before displaying them to the screen to allow most images to be displayed on any standard display hardware. If you have a 24-bit color video card, you can select the "Full Color" option under the "Windows" menu to force all images to be displayed in 24-bit color mode. Note that changing the setting of the "Full Color" option only affects the display of *FUTURE* images. In other words, it will not change images that are already displayed to the screen.
3. Images stored in IPT format on the Macintosh should be compatible with the SADIE format of tclSadie, as long as images on either platform are stored in 8 bits/pixel format.

4. Whenever multiple images are displayed on the screen simultaneously, the current ("ACTIVE") image is listed in the main tclSadie window. To change the current image, click somewhere on the image (note that clicking on the image window title bar will not always make an image the current image). Alternately, select the image title from the list of images under the "Windows" menu.
5. If an image window is too small to allow the entire image name to be viewed off of the title bar, make it the current image and read the image name from the main tclSadie window.
6. Always make sure the image you want to process is the current image before selecting a command!
7. If an error message box appears, always check the session log for more information about the error.