

Notes on copying Mentor Graphics components and IC layouts

If you have created schematics and IC layouts using DAIC and IC station in your personal account it is possible to move them to a group account with the procedure defined here. I will use a personal account name of john.doe and the group account name vlsi3000 in my examples below. You need to use your own account name and the appropriate class account names in place of what I show here.

(Note: the terms folder and directory are synonyms)

Step 1 - Set file and folder read and search permissions for the source files.

- a) Log in as john.doe
- b) If the folder that holds the components of interest is at the root of your account then proceed, otherwise cd to a folder one level above. For example, assume that the component whose schematic and layout is to be copied is named superinv and is located in a folder called project1 resulting in this file "tree":
 /home/john.doe/engr434/project1/superinv
 cd engr434
- c) Make all files and folders that are in and below engr434 readable and searchable for other users
 chmod -R o+rx project1
- d) Make the engr434 folder readable and searchable by other users
 cd .. (current folder is now: /home/john.doe)
 chmod o+rx engr434
- e) Make your account readable and searchable by other users
 cd .. (current folder is now: /home)
 chmod o+rx john.doe

Step 2 - Copy schematics and symbols and related files

- a) Open another terminal window and if not already logged in as vlsi3000 the do so.
- b) cd to the folder that is to contain the component(s) that you wish to copy.
- c) Start **daic**
- d) From the tool bar, select **MGC > Design Management > Copy Object** and a window titled Copy Design Object should open. It is divided into two sections: the upper for specifying the source (From:) folder and component name and the lower the destination (To:) folder.
The default folder for both the source and destination likely will default to \$MGC_WD.
- e) Use Up Directory to navigate to /home and then to /home/john.doe and on down to /home/john.doe/project1 for the source (the folder path string will be shown in the "Look in:" field). Click on the component symbol that is to be copied and it should turn black. (Nothing will appear in the File name: field below)
- f) Leave the destination folder as \$MGC_WD since you started daic from the folder where you want to put the component that you are copying.. If the destination folder is empty then no files will be shown in the To: window.

- g) Click OK and the copy should happen (the Copy Design Window will close)
- h) Exit daic if only one component is to be copied or repeat e to g. Exit daic.

Step 3 - If layout(s) are to be copied, start ic station (just type ic) and repeat step 2 above except in step 2e click on the layout symbol for the component of interest. Also, the destination can be specified as ./ (dot slash) for the file name

Step 4 - When done copying, restrict public access to your account by repeat steps 1c, 1d, and 1e except removing privilege instead of adding it.

- a) Make all files and folders that are in and below engr434 unreadable and unsearchable for other users
 `chmod -R o-rx project1`
- b) Make the engr434 folder unreadable and unsearchable by all users
 `cd ..` (current folder is now: /home/john.doe)
 `chmod o-rx engr434`
- c) Make your account unreadable and unsearchable by all users
 `cd ..` (current folder is now: /home)
 `chmod o-rx john.doe`