

# **Cross-Copy Server**

## **Quick-Start Instructions - Use**

### **Basic Operation**

Once the group names are populated there is no further work required. The eDARTs will send changes to the server when they are made and the server will send them down to other eDARTs as needed. The data is restricted to the groups except for security settings and the defaults (e.g. cycle graph colors).

**The fundamental concept is this: Whatever happens on the server will be copied to the eDARTs. This includes creating folders, deleting folders, copying folders and merging folders.**

Note: All of the instructions below start at the server's "eDART Configurations/Groups" directory and then the group name under which the mold or machine resides. A "slash" ( / ) indicates a folder under a folder.

### **Creating a Mold**

Open ../data/Molds. In the molds folder create a new folder with your new mold name. If you have a material chosen you can then open that mold name and create a material name folder. Then, if you have a cavitation layout you can open the material name and create it.

### **Deleting a Mold or Machine**

Open the data/Molds folder. Find the mold name and delete it. This will remove that mold configuration and data from all eDARTs in that group.

Deleting a machine is the same as deleting a mold except that there are usually three levels for machines. To delete a single machine, "drill down" to the machine name folder and delete it. If you need to delete a whole cell or plant, simply delete that upper level folder and all of the ones below will be removed.

### **Merging Mold Names**

Open the ../data/Molds folder and then open the mold name folder from which you wish to merge the configurations. Select all entries you find there (folders and files). Then "cut" those files and folders. Open the mold folder into which you want to merge the files and paste them in. Windows will ask you about whether you want to replace each file, showing you the date and time. You can choose to overwrite or not as you see fit. If you want to only keep newer settings, overwrite only if the file being replaced is older. When finished you may delete the empty mold folder from which you merged the data.

### **Installing a New eDART**

- Before you attach the eDART to the network set its IP addressing and its group name and re-start it.
- Attach it to the network and power it up.
- Wait about 15 minutes for it to populate itself with the proper global configurations. Then re-start it.

### **Current Limitations**

We have not enabled the full capability of the cross-copy service during this testing period. We will do so as we gain more confidence. To wit:

- The cross-copy function is installed in semi-automatic mode. Thus the mold configurations only down-copy to the eDART when the job starts. Only the name folders are sent to the eDART automatically. The automatic mode will force changes to be sent to all eDARTs when they happen. If an eDART was taken off line and then a job starts it would still run with the most recent files as they would already be there.
- At this time the only global information cross-copied between the eDARTs are the security settings and the sensor serial number – mold name relationships. As we gain confidence we will add the copy of views, defaults and the eDART's main menu.
- Once you are satisfied that the cross-copy service is doing its job you can remove the manual "File Copy" from the eDART's main menu. If we have enabled the cross-copy of the main menu then at that time you could simply delete any files named ../data/Utilities.File\_Copy.cfg from the server and they would be taken from each eDART. Until then you will need to go to each eDART, open the Architect, click the "System" tab and the click and drag "File Copy" off the workspace. Close the Architect when finished.