

File Transfer Operations

Last updated: November 13, 2008

You may transfer files between your host computer running the iconhmi.jar application and the ICON (the server) and perform file maintenance operations on the ICON (delete, rename and copy) with these utilities.

Upload File from Local Computer to ICON

Use this function to upload a file from your local computer to the ICON. This could include actual ICON programs (*.icn), help files (*.htm) or pictures (*.jpg or *.gif). If you need to upgrade your ICON to the latest software you may also load a new iconexe file.

1. The amount of free disk space on the ICON is displayed at the top of this box. Press the refresh button (in the lower box) to ensure you are viewing the correct value. From this you can determine if there is enough free disk space to hold the file that you are about to upload.
2. Under "Upload file from local computer to ICON" box, click on "Browse".
3. Navigate to the folder that contains the desired file if it is not already selected.
4. Click to select your file on your local disk drive.
5. Click "Upload". (You can watch the progress of the transfer in the lower left corner.)

Upload a new iconexe program

The program "iconexe" is executed when power is applied to the ICON. This is the program that executes your control program, renders HMI screens and provides the programming and configuration environment that you use to create your control program and HMI screens.

This program is often enhanced to add new features (or possibly fix bugs). To make use of the latest features you must download a new iconexe from the download section of our website and upload this new file to the ICON.

Since the current version of iconexe will be executing when you upload a new iconexe you must follow this procedure to upgrade.

1. Download the latest iconexe program from our web site at <http://www.i-netcontrol.net/download.htm> to your local computer.
2. Make sure it is named iconexe. If for some reason it has a different name, rename it to iconexe otherwise the following procedure will not work.
3. Upload iconexe from your your local computer to the ICON as described above.
4. The system automatically renames the current iconexe to iconexe.old.
5. The next time the ICON reboots the new iconexe is loaded and executed.
6. If there is a failure in the uploading of the new iconexe such that the new iconexe is rendered unusable, the system will automatically try to use iconexe.old. Since this was your original program before the upgrade you are back to square one and you may try the upgrade again if there had been a problem.

7. In the unforeseen case that both iconexe and iconexe.old get rendered unusable the system will revert to executing iconexe.failSAFE. This program is never changed with the iconexe upgrade process, therefore you should always have this program as an emergency backup to allow you to upgrade.
8. After the new iconexe program has been uploaded you must reboot your system so that the ICON loads the new version of iconexe.
9. To reboot your system click the "Program tab".
10. Next pick "Password/system" from the "System Parameter Config" selection set at the top middle of the programming screen.
11. Set "Watchdog type:" to Elan520 or TS7200 depending on your processor and click update. Normally you do not need to do this step.
12. Now select "Reset system" from the "Watchdog" selection and click "OK".
13. You will immediately lose your connection to the ICON because it is rebooting.
14. Re-connect after about one minute. On the password screen you should see the new version number of your new "iconexe" program.

To update hmi.jar applet:

1. Download the latest hmi.jar program from our web site at <http://www.inetcontrol.net/download.htm> to your local computer.
2. Under "Upload file from local computer to ICON" click on browse and select your new "hmi.jar" on your local disk drive.
3. Click "Upload".
4. After upload completes click the "Refresh" button.
5. After you have successfully uploaded the new hmi.jar to the ICON it will not be used until the next time your web browser is started. Therefore you must logoff from the ICON and close your browser. Then restart and reconnect to the ICON.

Download File From ICON to Local Computer

Use this function to transfer a file from the ICON to your host computer for backup.

1. Click to select the file of interest.
2. Click the "Download" button to transfer this file to your host computer.
3. From the "Download file" window that appears you may navigate to your desired disk location and optionally change the file name.
4. Now click the Save button and your selected file will be transferred from the ICON to your computer. (You may watch the transfer progress in the lower left corner.)
5. You may click the "Delete" button to delete this file from the ICON. You will be asked to confirm the delete.
6. You may click the "Rename" button to rename this file. You will be asked for the new name.
7. You may click the "Copy" button to make a copy of this file. You will be asked for a new name for the copy.
8. You may click the "File Length" button to display the file length and date for this file.
9. Press the "Refresh" button to update the ICON file list and "Server's Available Disk Space" in case it has changed.