



App Note

Spooling EasyCopy print output via ZEH queues

This application note describes how to setup EasyCopy to spool its print output data via a ZEH server/queue. This script is still under full testing, please report any errors to us.

Download ec7_zeh.tar from ftp://ftp.augrin.com/pub/EasyCopy_7.1/unix and untar into the EasyCopy installation directory, by default /usr/local/easycopy. You now have two new files in the easycopy directory: ecpsubzeh and ecpsstatzeh.

In the event that the printer supported does not do internal data processing(i.e. Xerox Xpress, Xerox X2, Versatecs and so on), the script ecpsubzeh must be edited. The only change needed is to remove the items in **bold**.

```
#!/bin/sh

# Script to submit jobs from EasyCopy to ZEH
# Augrin Software, January 30, 2003
# With contributions from Lasse Danielsen, NetDesign AS
TMPDIR=${TMPDIR:-/tmp}
OLDTMPDIR=$TMPDIR
tempdir="$TMPDIR/ecpsub$$"

while [ -d "$tempdir" ]
do
    tempdir="$tempdir"T
done

trap "cd $OLDTMPDIR; rm -rf $tempdir" 15

# Create the temporary directory
mkdir $tempdir

cd $tempdir
TMPDIR=$tempdir
export TMPDIR

if [ $# -gt 2 ]; then
    TMPFILE=$3
else
    TMPFILE="$TMPDIR/$$.prt"
    cat - > "$TMPFILE"
fi
```

```
$ZEHHOME/bin/jsubc -ftype pass -files "$TMPFILE" $1 $2
```

```
# Delete the temporary EasyCopy directory  
cd "$OLDTMPDIR"  
rm -rf $tempdir > /dev/null
```

NB! In this case, the printer setup in 4 must be set to produce a data format that ZEH can process, i.e. Postscript, HPGL/2, CGM or some other appropriate format, according to the licensed modules on the ZEH server. Please consult your license file, or contact your ZEH representative to get this information.

No changes are needed to any of the other scripts. However, there are a few prerequisites.

1. The Client installation of ZEH has to be performed on the node, all environment variables are set on the client i.e. `pltx.login` is sourced from `%ZEHHOME`. `Jsub` is installed and run at least once on the node. This is a REQUIREMENT, as `Jsub` updates the printer list on startup, and `JSUBC`, (the command line version of `JSUB`), relies on this updated list. It is also required to run `Jsubc` from the command line once with all the necessary options, as this will create the `zeh.properties` file in the users home directory. This file will keep track of the username, password, ZEH server, Hostname, usergroup, which is required to submit files to the ZEH server in the future, and this integration relies on this.

2. The command line that should be entered once is: `jsubc -server "servername" -host "Hostname" -user "username on zeh server" -password "password on zeh server" -usergroup "usergroup on zeh server" -plotter "name of an existing plotter on zeh server" -files $ZEHHOME/testfiles/zeh_logo.cgm`

(The "SERVERNAME" can be found in `$ZEHHOME/config/plotex.cfg` file)

3. This will send the `zeh_logo.cgm` file to the appropriate queue on the zeh server, to test communication, but also to generate the `zeh.properties` in the users home directory. As the print-data coming from EasyCopy produce a print-ready file, the scripts made will do a "pass-through print" in ZEH, meaning that there will be no ZEH processing, but the account data and spooling system will be used. If additional ZEH keyword parameters are required (Cost Centre data, and so on), these can be placed in the command line in 2, at the end. This will ensure this data is the same for this particular user every time he or she plots through ZEH from EasyCopy.

4. Setup the required printers in EasyCopy using the Options->Printers->Add (Printer) dialog to do so. Select the "Print System"=ZEH and select the Manufacturer and Printer Type. In the Print Queue field, enter the Zeh printer name for the appropriate printer/plotter. (NB! Not the queue name, the PRINTER name!!!)
Press Ok, and you should now be able to send your first print job from EasyCopy via the ZEH system to your printer/plotter.

For any further assistance please contact Augrin at your usual contact numbers

Prepared by Lasse Danielsen – NetDesign