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# ECABnetCfgSave

- a program to extract a combined configuration from either a single ECA + ECB pair, or from multiple ECA or ECB systems
- the program operates over an ethernet connection to the ECB unit(s), and indirectly over the fiber to the ECA units.

## Requirements

- Put ECABnetCfgSave.exe, and all the support files (library.zip,w9xpopen.exe,python24.dll,MSVCR71.dll), and the sample camsys.ini into the same directory, somewhere above the .BIN files you wish to load. For example you may want to put them in C:\EVERTZ\ECA\_ECB \* Copy the camsys.ini file for reference purposes, to something like camsys\_original.ini.
- Edit the camsys.ini file so that it more accurately reflects your multi-camera system

## Usage

- Open a "DOS Prompt" or "Command Prompt" window
- Change to the directory where you put ECABnetCfgSave.exe. For example "CD C:\EVERTZ\ECA\_ECB"
- Type "**ECABnetCfgSave -h**" to check that the program runs, and will give you a list of help information
- Connect a network cable to the ECB. Make sure your PC is configured to connect to the same network as the ECA/ECB system (default IP 192.168.9.xx)
- Make sure the ECA and ECB are powered on, and the ECA is connected by fiber to the ECB

## Quick Guide

- the program must be specified with an outputfilename
- the "-s xx" option allows you to specify a specific ECA/ECB system as defined in camsys.ini. It must be a one character number or letter which matches one of the section headings in camsys.ini
- the "-a nn.nn.nn.nn" option allows you to specify a specific ECA IP address. You can specify multiple "-a" options.
- the "-b nn.nn.nn.nn" option allows you to specify a specific ECB IP address. You can specify multiple "-b" options.
- the "-y" option allows the program to overwrite an existing outputfile.
- the "-c "blah blah blah"" option allows you to add a comment to the head of your outputfile. It must be enclosed in quotes
- the "-t ECA" or "-t ECB" or "-t ALL" option allows you to specify either all the ECA units as defined in camsys.ini or all the ECB units as defined in camsys.ini
- the "-d alternate\_camsys.ini" option allows you to specify a different file other than the default camsys.ini
- the "-e variablename" option allows you to exclude a specific variable from being saved in the outputfile. You can specify multiple "-e" options. The built-in default exclusions are 'systemident', 'common1stoctet', 'common2ndoctet', 'common3rdoctet', 'netcpuaddress', 'baseaddress', 'adapteraddress'
- the "--no-builtin-excludes" option turns off the built-in exclusions
- the "-x excludefilename" option allows you to specify a file which contains a list of exclusions, which are similar to using the "-e" option. The exclusions must be one per line, an "#" or ";" will be treated as the start of a comment

## Examples

- *"ECABnetCfgSave -s 1 samplecfg.txt"* -- extract the configuration(s) from system #1 (as defined in the default camsys.ini file) and save to file samplecfg.txt
- *'ECABnetCfgSave -s 1 samplecfg.txt -c "this is my sample cfg"'* -- as above but with the addition of a comment that will be added at the head of the file
- *"ECABnetCfgSave -y -a 192.168.9.12 -b 192.168.9.11 samplecfg.txt"* -- extract the configurations from the addresses and save to the file. The "-y" option allows the output file to be overwritten

## Help

usage: ecabnetcfgsave [options] outputfile  
 a program for extracting an ECA or ECB unit configuration via telnet and saving it to a file

where outputfile(s) are configuration command file(s) containing configuration commands for one or both ECA and ECB units

options:

```
--version          show program's version number and exit
-h, --help        show this help message and exit
-p HOSTPORT, --port=HOSTPORT
                  ECA/ECB control port (default 1023)
-a HOSTADDR_A, --a_addr=HOSTADDR_A
                  (multiple) source ECA IP address/hostname (disables
                  -d)
-b HOSTADDR_B, --b_addr=HOSTADDR_B
                  (multiple) source ECB IP address/hostname (disables
                  -d)
-d SYSDEFFILE, --sysdeffile=SYSDEFFILE
                  File containing definitions of IP address groups
                  (default camsys.ini). Section headings in square
                  brackets mark the start of a single system and
                  subsequent lines define the IP addresses of the
                  components of the system. Semi-colon's or the number
                  sign (#) can be used to create comments.
-v, --verbose     Verbose mode
-V, --verbosedef Verbose mode of parsing SYSDEFFILE
-f, --feedback   Show server feedback
-q, --quiet      Quiet mode
--noaction       Print arguments and quit
-x EXCLUDEFILE, --excludefile=EXCLUDEFILE
                  File containing list of variables to exclude from
                  saving. The file should contain the name of one
                  variable per line. Semi-colon's or the number sign (#)
                  can be used to create comments.
-e EXCLUDES, --exclude=EXCLUDES
                  (multiple) variable name to exclude
-s SUBUNIT, --subunit=SUBUNIT
                  select only section heading (such as 1 or Q) addresses
                  from SYSDEFFILE
-t SUBTYPE, --type=SUBTYPE
                  select only types (such as ECA or ECB or ALL) of
                  addresses from SYSDEFFILE
--no-builtin-excludes
                  do not use the built-in exclusions (systemid and ip
                  addresses)
-c COMMENT, --comment=COMMENT
                  comment to add to config file header (in quotes)
-y, --overwrite  Allow overwrite of existing files
```