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# ECABnetCfgLoad

- a program to load a configuration file into multiple ECA + ECB units. The configuration file can be a combined file.
- the program operates over an ethernet connection to the ECB unit(s), and indirectly over the fiber to the ECA units.

## Requirements

- Put ECABnetCfgLoad.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 ECABnetCfgLoad.exe. For example "CD C:\EVERTZ\ECA_ECB\"
- Type *"ECABnetCfgLoad −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 a configuration inputfilename
- 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 '−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 input configuration file from being sent to the destination. 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 "−i x" option allows you to specify the systemident variable to be sent to the destination
- 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

- *"ECABnetCfgLoad −s 1 samplecfg.txt"* −− sends the configuration file samplecfg.txt to the system #1 as defined in the default camsys.ini file
- *"ECABnetCfgLoad −a 192.168.9.12 −b 192.168.9.11 samplecfg.txt"* −− sends the configuration file to the addresses specified. The "−a" option specifies ECA addresses (multiple are allowed), and the "−b" option specified ECB addresses (multiple are allowed).
- *"ECABnetCfgLoad −t ecb −t ecb samplecfg.txt"* −− sends the configuration file to all of the addresses defined in the default camsys.ini file which are of type eca and type ecb (which in this case is the same as sending the complete config to all the units)

# Help

```
usage: ecabnetcfgload [options] inputfile
        a program for configuring an ECA or ECB unit via telnet

where inputfile is a configuration command file
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 parseing SYSDEFFILE
  -f, --feedback        Show server feedback
  -q, --quiet           Quiet mode
  --noaction            Print arguements and quit
  -x EXCLUDEFILE, --excludefile=EXCLUDEFILE
                        File containinging list of variables to exclude from
                        saveing. 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
                        (multiple) 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 ECN or ALL)
                        of addresses from SYSDEFFILE
  --no-builtin-excludes
                        do not use the built-in exclusions (systemid and ip
                        addresses)
  -i SYSTEMID, --systemid=SYSTEMID
                        set system id of destination
```