

ZePrA 10 Command Line Interface

ZePrA provides a command line interface for integration into workflows. The following command lines are supported:

zcmd [options] -c configuration input [-o output] ...

Convert a file with a configuration. The specified configuration name must appear in the list obtained with listconfigurations. [options] is described below. If the output file is not specified, zcmd appends an underscore "_" and the configuration name to the file name. If you want to convert multiple files in one call, append them to the command line, each file followed by an optional "-o output".

zcmd <job control file>

Processes a file with options defined in a [Job Control File](#). The job control file should specify the file names including suffix for the input file and output file.

Note that this is one of two ways of using job control files. The other way is specifying a job control file with the -j option (see below). Job control files can be JSON or XML files.

zcmd listconfigurations

Display a list of available configurations on stdout. This list matches the configuration list displayed in the ZePrA GUI.

zcmd listdevicelinkprofiles

Display a list of available device link profiles on stdout.

zcmd status

Display license status.

zcmd version

Display version.

zcmd export [--exportall] [--exportprofiles] [--exportprofileassignments] [--exportspotcolors] [configurations...] -o output

Configuration export into a CCF file.

zcmd import input

Configuration import from a CCF file. Unlike the configuration import in the GUI, if spot color libraries are imported, existing libraries with the same name will be overwritten.

Options

--writereport[=yes]

Write a report into a PDF file of the same name as the output file with "_REPORT" appended. The report is the same as that obtained using the "Save Job Properties..." function in the GUI.

--reportfile=<filename>

Change the output file for the report. Depending on the suffix of <file name>, the report is written in PDF, HTML, TXT, XML or JSON format.

Note: XML is written in the "legacy format" by default. In order to generate the "new format" (ZePrA 9 and later), the report type should be set to *XML2*.

--reporttype=<type>

Further specifies the report format. If the report file is XML and <type> is *XML2*, the report is written in the new XML format (ZePrA 9 and later). Otherwise, this option has no effect.

--continueaftererror=yes/no

Specifies if execution shall continue after a job error and further files listed on the command line shall be processed. This is the default. If you disable this option, execution stops after a job error and 1 is returned to indicate that an error has occurred. This option is only relevant when you convert multiple

files in one call.

--threads=<n>

Specifies the maximum number of threads used for processing a file. Because zcmd processes only one file at a time, this option has no effect on the parallel processing of multiple jobs. Parallel processing of multiple jobs is achieved with zcmd, simply by executing multiple instances in parallel. In this case, it is recommended to not use the --thread option.

-j <job control file>

Specifies a job control file to be used for processing the job. When using the -j option the job control file should not specify the input file and output file, because these are part of the command line. Note that this is one of two ways of using job control files. The other way is specifying solely on the command line (see above).

CLI executable

Under MacOS, the executable is:
ZePrA.app/Contents/MacOS/zcmd

Under Windows it is:
zcmd.exe
Located in the program folder besides the ZePrA.exe GUI executable.

Error handling

If an error occurs, an informal line beginning with the word "Error:" is displayed on stderr. This line contains an error code. The following list contains the most common error codes:

9 (NotFound) - Something (a configuration, a profile,...) could not be found
12 (FileNotOpen) - A file could not be opened for reading or writing
17 (FileReadFailed) - A read operation on a file failed
18 (FileWriteFailed) - A write operation on a file failed
19 (FormatErr) - File format error (indicates a corrupted file)
30 (InvalidLicense) - A function is not licensed
31 (InvalidICCTag) - indicates a corrupted ICC profile
32 (MissingICCTag) - indicates a corrupted ICC profile
33 (MissingICCTagData) - indicates a corrupted ICC profile
62 (PDFError) - indicates a corrupted PDF file
79 (SpotColorNotFound) - A spot color could not be resolved and the configuration setting is "treat undefined spot colors as errors"
80 (SpotColorLibNotFound) - A spot color library could not be found

Other error codes may appear but are only meaningful for the support.

The return code of the zcmd call is 0 if no error occurs. The return code is 1 if a fatal error occurs. Job errors (like those listed above) are by default not treated as fatal errors, unless the option --continueaftererror is switched off in the command line, in which case 1 is returned.

Deprecated commands

The following commands are supported for backward compatibility but should not be used in new applications.

zcmd -a [options] <devicelinkprofile> input -o output

Convert a file with the given device link profile using the Auto-Setup "Normalize and convert colors to new output condition". The device link profile must appear in the list obtained with listdevicelinkprofiles.

zcmd --listconfigurations
zcmd --listdevicelinkprofiles
zcmd --status
zcmd --version