

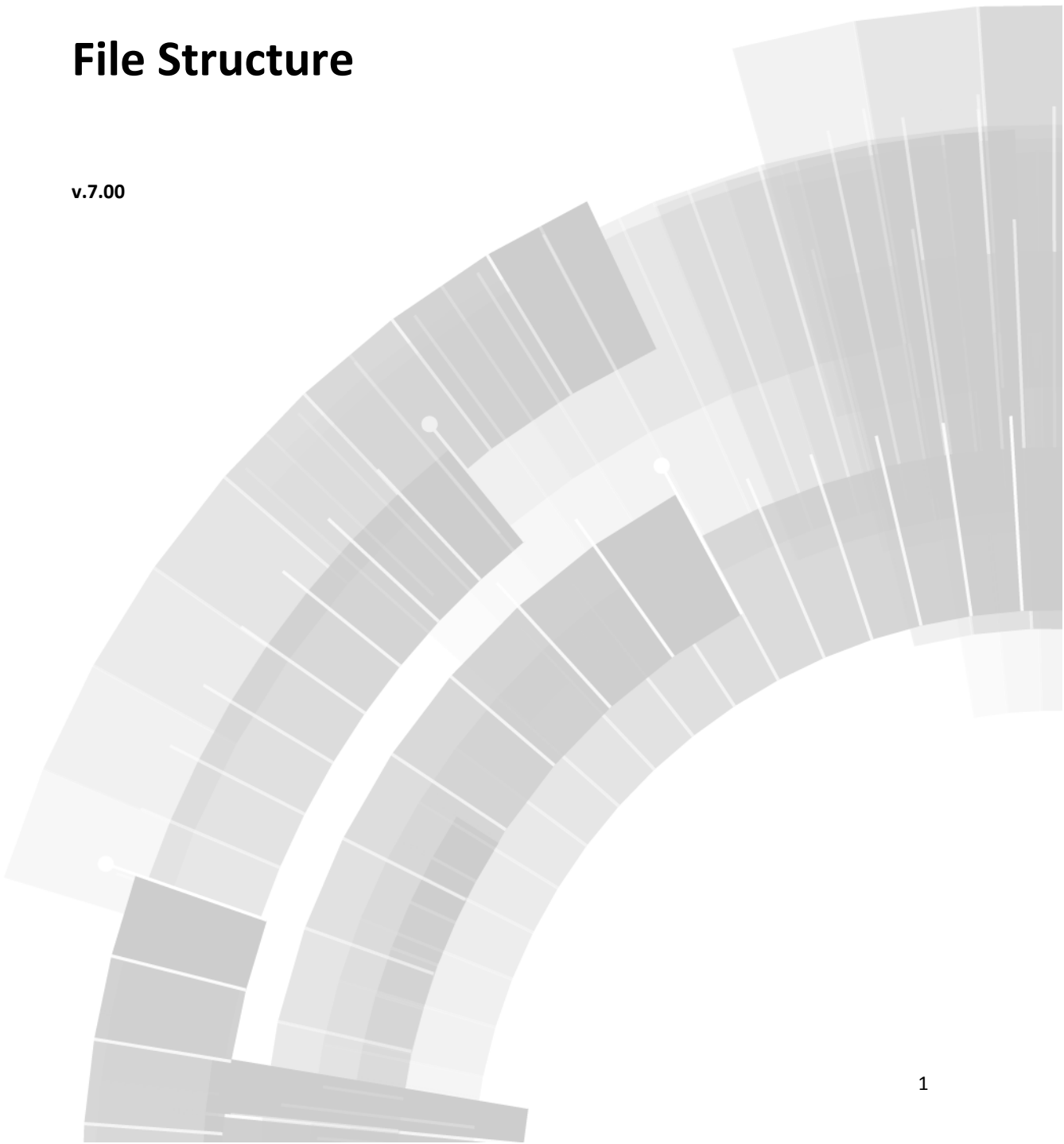


**COPADATA**  
do it your way

# zenon manual

## File Structure

v.7.00





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# 1. Welcome to COPA-DATA help

## GENERAL HELP

If you miss any information in this help chapter or have any suggestions for additions, please feel free to contact us via e-mail: [documentation@copadata.com](mailto:documentation@copadata.com) (<mailto:documentation@copadata.com>).

## PROJECT SUPPORT

If you have concrete questions relating to your project, please feel free to contact the support team via e-mail: [support@copadata.com](mailto:support@copadata.com) (<mailto:support@copadata.com>)

## LICENSES AND MODULES

If you realize that you need additional licenses or modules, please feel free to contact the sales team via e-mail: [sales@copadata.com](mailto:sales@copadata.com) (<mailto:sales@copadata.com>)

# 2. File Structure

*Information for system administrators who want to edit the ini files directly.*

A small yellow lightbulb icon with a black outline, representing an information or tip.

### Info

*Project settings should be set up in the Editor. Changes to `zenon6.ini` are only to be made by experts.*

### 3. System files

You can find documentation of the entries to the system files in the following.

File	Description
dBaseIV variable file (on page 6)	The dBase IV import file settings.
project.ini (on page 11)	<p>Settings for the project.</p> <p>You can find project.ini in the Runtime path of the respective project. To open the path:</p> <ul style="list-style-type: none"> <li>▶ Highlight the project</li> <li>▶ press the short cut Ctrl+Alt+E</li> <li>▶ The project's SQL folder is opened</li> <li>▶ Navigate to ... \FILES\zenon\system</li> </ul>
startup.ini (on page 29)	<i>zenon Startup Tool settings.</i>
zenon6.ini (on page 33)	<p>Settings for visualization software.</p> <p><i>You can find zenon6.ini in the following path:</i></p> <p><i>Windows Vista/7:</i>  <i>C:\ProgramData\COPA-</i>  <i>DATA\System\</i></p> <p><i>Windows XP: C:\Dokumente und</i>  <i>Einstellungen\All</i>  <i>users\Anwendungsdaten\COPA-</i>  <i>DATA\System</i></p>
zenDB.ini: (on page 30)	SQL database settings

#### ZENON6.INI PROCESSING

The settings in zenon6.ini are processed in the following order:

1. zenon6.ini

2. Default value

In doing so, the first entry found is used.

### **PROJECT.INI PROCESSING**

The settings in project.ini are processed in the following sequence:

1. project.ini
2. zenon6.ini
3. Default value

In doing so, the first entry found is used.

## **4. dBaseIV variable file**

The dBaseIV file must have the following structure and contents for variable import and export:

### Attention

dBase does not support structures or arrays (complex variables) when exporting.

DBF files must:

- ▶ correspond to the 8.3 DOS format for filenames (8 alphanumeric characters for name, 3 character suffix, no spaces)
- ▶ Be stored close to the root directory (Root)

## DESIGN

Description	Type	Field size	Comment
KANALNAME	Char	128	Variable name.  The length can be limited using the MAX_LAENGE entry in <b>project.ini</b> .
KANAL_R	C	128	The original name of a variable that is to be replaced by the new name entered under "KANALNAME" (field/column must be entered manually).  The length can be limited using the MAX_LAENGE entry in <b>project.ini</b> .
KANAL_D	Log	1	The variable is deleted with the 1 entry (field/column has to be created by hand).
TAGNR	C	128	Identification.  The length can be limited using the MAX_LAENGE entry in <b>project.ini</b> .
EINHEIT	C	11	Technical unit
DATENART	C	3	Data type (e.g. bit, byte, word, ...) corresponds to the data type.
KANALTYP	C	3	Memory area in the PLC (e.g. marker area, data area, ...) corresponds to the driver object type.
HWKANAL	Num	3	Bus address
BAUSTEIN	N	3	Datablock address (only for variables from the data area of the PLC)
ADRESSE	N	5	Offset

BITADR	N	2	For bit variables: bit address For byte variables: 0=lower, 8=higher byte For string variables: Length of string (max. 63 characters)
ARRAYSIZE	N	16	Number of variables in the array for index variables ATTENTION: Only the first variable is fully available. All others are only available for VBA or the Recipe Group Manager
LES_SCHR	R	1	Write-Read-Authorization 0: Not allowed to set value. 1: Allowed to set value.
MIT_ZEIT	R	1	time stamp in zenon (only if supported by the driver)
OBJEKT	N	2	Driver-specific ID number of the primitive object comprises KANALTYP and DATENART
SIGMIN	Float	16	Non-linearized signal - minimum (signal resolution)
SIGMAX	F	16	Non-linearized signal - maximum (signal resolution)
ANZMIN	F	16	Technical value - minimum (measuring range)
ANZMAX	F	16	Technical value - maximum (measuring range)
ANZKOMMA	N	1	Number of decimal places for the display of the values (measuring range)
UPDATERATE	F	19	Update rate for mathematics variables (in sec, one decimal possible) not used for all other variables
MEMTIEFE	N	7	Only for compatibility reasons
HDRATE	F	19	HD update rate for historical values (in sec, one decimal possible)
HDTIEFE	N	7	HD entry depth for historical values (number)
NACHSORT	R	1	HD data as postsorted values
DRRATE	F	19	Updating to the output (for zenon DDE server, in [s], one decimal possible)
HYST_PLUS	F	16	Positive hysteresis, from measuring range
HYST_MINUS	F	16	Negative hysteresis, from measuring range
PRIOR	N	16	Priority of the variable
REAMATRIZE	C	32	Allocated reaction matrix



ERSATZWERT	F	16	Substitute value, from measuring range
SOLLMIN	F	16	Minimum for set value actions, from measuring range
SOLLMAX	F	16	Maximum for set value actions, from measuring range
VOMSTANDBY	R	1	Get value from standby server; the value of the variable is not requested from the server but from the standby-server in redundant networks
RESOURCE	C	128	Resource label. Free string for export and display in lists.  The length can be limited using the MAX_LAENGE entry in <b>project.ini</b> .
ADJWVBA	R	1	Non-linear value adaption: 0: Non-linear value adaption is used 1: non linear value adaption is not used
ADJZENON	C	128	Linked VBA macro for reading the variable value for non-linear value adjustment.
ADJWVBA	C	128	Linked VBA macro for writing the variable value for non-linear value adjustment.
ZWREMA	N	16	Linked counter REMA.
MAXGRAD	N	16	Gradient overflow for counter REMA.

 **Attention.**

*When importing, the driver object type and data type must be amended to the target driver in the DBF file in order for variables to be imported.*

## LIMIT DEFINITION

Limit definition for limit values 1 to 4, and status 1 to 4:

Description	Type	Field size	Comment
AKTIV1	R	1	Limit value active (per limit value available)
GRENZWERT1	F	20	Technical value or ID number of a linked variable for a dynamic limit (see VARIABLEx) (if VARIABLEx is 1 and here it is -1, the existing variable linkage is not overwritten)
SCHWWERT1	F	16	Threshold value for limit
HYSTERESE1	F	14	Hysteresis in %
BLINKEN1	R	1	Set blink attribute
BTB1	R	1	Logging in CEL
ALARM1	R	1	Alarm
DRUCKEN1	R	1	Printer output (for CEL or Alarm)
QUITTIER1	R	1	Must be acknowledged
LOESCHE1	R	1	Must be deleted
VARIABLE1	R	1	Dyn. limit value linking the limit is defined by an absolute value (see field GRENZWERTx).
FUNC1	R	1	Function linking
ASK_FUNC1	R	1	With interrogation before execution
FUNC_NR1	N	10	ID number of the linked function (if "-1" is entered here, the existing function is not overwritten during import)
A_GRUPPE1	N	10	Alarm/event group
A_KLASSE1	N	10	Alarm/event class
MIN_MAX1	C	3	Minimum, Maximum
FARBE1	N	10	Color as Windows coding
GRENZTXT1	C	66	Limit value text
A_DELAY1	N	10	Time delay
INVISIBLE1	R	1	Invisible

Expressions in the column "Comment" refer to the expressions used in the dialog boxes for the definition of variables. For more information, see chapter Variable definition.

## 5. project.ini

**Hint:** Project settings should be done in the Editor. Changes to `project.ini` are only to be made by experts.

Entry	Function
[DEFAULT]	
BLINK=	Blinking rate default for dynamic elements in milliseconds.
MOUSE_FOCUS=	1: Mouse focus active (default) 0: Mouse focus not active
VERS_CHECK=	1: Check of software version numbers in the DLLs when the program starts
RELEASE=5	<ul style="list-style-type: none"> <li>▶ 0 : Title with system menu, maximize and minimize button</li> <li>▶ 1: Title with maximize and minimize button</li> <li>▶ 2: Title with minimize button</li> <li>▶ 3: Title with maximize button</li> <li>▶ 4: Title without operating element (no system menu, minimize or maximize buttons)</li> <li>▶ 5: No title - the configured screen is moved up the the size of the title bar. This has the advantage that it is possible to use the complete screen area - however this property should be taken into account during configuration.</li> <li>▶ 6: Title with system menu</li> </ul>
AUFFUELLEN=	<ul style="list-style-type: none"> <li>▶ 0: The respective incoming value is saved when administering hard drive and memory data.</li> <li>▶ 1: 1 - HD data are saved in a defined time interval. With longer intervals it may occur that more data have to be saved.</li> </ul>
SYSKEY=	0: System keys are not locked 1: System keys are locked in Runtime System keys: Alt+TAB, Alt+ESC, Alt+F4 etc.
BTB_DRUCKEN=0	1: Output of CEL entries to the printer 0 :Alarm entries to the printer
ONLINE_DRUCKEN=1	1: Online entries (CEL or alarms) are also logged if required. 0: Additional logging inactive.
CURSOR=1	1: The normal Windows cursor is displayed in Runtime (default) 0: 0 - Cursor switched off (for touch)

MILLISEK=0	Representation of milliseconds in the extended trend 0 - No representation (default) 1 - Representation
HDDATEN=	HD data management 0 - Inactive 1 - Active (default)
HEX=0	0: Variable addresses are displayed normally 1: 1 - Variable addresses are displayed in the hexadecimal way
GW_FKT_AT_RT_START =1	If it is 0 when Runtime is started and a limit value is currently being exceeded, the limit value function is executed again.
LOG_FLAGSx	This entry activates the extended logging functionality. X has to be replaced by the log group, that should be activated. For each group it can be defined bit-coded, which messages should be logged. These messages are output via the Windows-Debug-Interface. If an error file is generated, an entry is also made here. At the moment only group 0 for the PFS is implemented. This group supports the following bits: 0 // errors always active 1 // warnings 2 // log calculation 3 // log items skipped during calculation. 4 // log execution 5 // general messages 6 // log switching point list according to calculation 7 // log complete switching point list according to calculation 8 // log network messages 9 // Log conversion of profiles 10 // log server, standby and network messages 11 // messages to update object links
USEREVENTNEEDMODEL=1	If it is 0, user events are also executed during days without a shift.
<b>[FUNKTIONEN]</b>	
EIN=1	
ZURUECK_SCHABLONEN=	Names of the frames, whose screens should be inserted in the list for the function "Back to screen". Several frames can be entered separated by a comma. ZURUECK_SCHABLONEN=_111,_333,_BU,)  In an integration project the frames of all sub-projects have to be entered in the project.ini, so that the system variable also works in sub-projects.
ZURUECK_ANZAHL=	Number of screens for the function Screen: Return to last.
PROJECTONLY=0	0: Return to last screen works throughout projects. (default) 1: Return to last screen only works with projects with internal

	screens
SOUND=	Number from 1 to 255 that selects and starts the sound for the <code>Start continuous tone</code> function.
REZEPT_AENDERN=	1: Recipes can be amended in Runtime 0: Recipes cannot be amended in Runtime
NAMEN=0	Display of the functions by their name (1) or by the function (0).
<b>[ALARM]</b>	Alarm management
EIN=1	Alarm management 0 - Inactive 1 - Active (default)
ALARMLISTE=03452	Sequence of alarm list entries: <ul style="list-style-type: none"> <li>▶ 0: clear variable name</li> <li>▶ 1: Identification</li> <li>▶ 2: Alarm text</li> <li>▶ 3: Time alarm received</li> <li>▶ 4: Time alarm cleared</li> <li>▶ 5: Time of acknowledgement</li> </ul> <p>e.g.:</p> <p>ALARMLIST=13452 identification-start-end-acknowledgment-alarm text</p>
NACHSCHIEBEN=0	Next alarm in the heading 0 - Do not shift back 1 - Shift back (default)
ZEIT_TYP=6	Time format default = 7
VAR_ANZ=	Number of characters for the variable names default = 31
TAG_ANZ=	Number of characters for the variable identification default = 39
ALA_ANZ=	Number of characters for the alarm text. default = 15
STAT_ANZ=	Number of characters for the status display default = 10
USER_ANZ=	Number of characters for user name
COMPUTER_ANZ=	Number of characters for computer name

RTEXT_ANZ=	Number of characters for the reaction text
CLASS_ANZ=	Number of the character for the the alarm/event class
GROUP_ANZ=	Number of the character for the the alarm/event group
AELTESTER=1	<ul style="list-style-type: none"> <li>▶ 1: The oldest alarm is displayed in the alarm status line.</li> <li>▶ 0: The last alarm that occurred is displayed in the alarm status line.</li> </ul>
STATUS=	<p>1: Alarm status line is displayed.</p> <p>0: Alarm status line is not displayed.</p>
MILLISEK=0	<ul style="list-style-type: none"> <li>▶ 0: For <b>Coming time</b>, milliseconds are neither displayed nor printed out</li> <li>▶ 1: Milliseconds are also displayed</li> </ul>
FARBE_KOMMT=	Text color for alarm-received text in the alarm message list
FARBE_GEHT=	Text color for alarm-sent in the alarm message list
FARBE_QUIT=	Text color for alarm-acknowledged text in the alarm message list
BEEP=1	<ul style="list-style-type: none"> <li>▶ 1: A beep sound is emitted when the first alarm is triggered</li> <li>▶ 0: No sound is emitted.</li> </ul>
STATUS_SCHRIFT=0	Index of the font selected for the text in the status row. Can be set in the configuration field for alarm management (default 0 system font).
TITLE_NAME=	Text of the column header as long as it is not configurable within the element (the default is the title from the language-specific resources). Need only be entered if changes are wanted.
TITLE_TAGNR=	see TITLE_NAME
TITLE_TEXT=	see TITLE_NAME
TITLE_COMES=	see TITLE_NAME
TITLE_GOES=	see TITLE_NAME
TITLE_QUIT=	see TITLE_NAME
TITLE_TIME_LASTING=	see TITLE_NAME
TITLE_STATUS=	see TITLE_NAME

TITLE_VALUE=	see TITLE_NAME
TITLE_USER=	see TITLE_NAME
TITLE_COMP=	see TITLE_NAME
TITLE_REACT_TIME=	see TITLE_NAME
TITLE_REACT_COUNT=	see TITLE_NAME
TITLE_REACT_STAT=	see TITLE_NAME
TITLE_ACT_TEXT=	see TITLE_NAME
TITLE_CLASS=	see TITLE_NAME
TITLE_GROUP=	see TITLE_NAME
HEADER=1	Show the column headers in the list (1) or not (0).
HEADER_ENABLE=1	1: Column heading can be operated 0: Column heading is only used for display
RESOURCELABEL	Describes the column for the resources label.
RESOURCELABEL_ANZ	Width of the column for the resources label in characters
COMES_ANZ	Width of the column "Time received" in characters
GOES_ANZ	Width of the column "Time cleared" in characters
QUIT_ANZ	Width of the column "Time acknowledged" in characters
REACT_TIME_ANZ	Width of the column "Reactivated time" in characters
REACT_COUNT_ANZ	Width of the column "Reactivated number" in characters
REACT_STAT_ANZ	Width of the column "Reactivated variable status" in characters
TIME_LASTING_ANZ	Width of the column "Time active" in characters
PREF_COMES	Default prefix for alarm received. Default: Default:"TEXT=>> „
PREF_GOES	Default prefix for alarm cleared. Default: Default:"TEXT=<< „
PREF_QUIT	Default prefix for alarm acknowledged. Default: Default:"TEXT=-- „
PREF_IMAGE_COMES	Graphics file for alarm received



PREF_IMAGE_GOES	Graphics file for alarm cleared
PREF_QUIT_GOES	Graphics file for alarm acknowledged
GROUPSYMBOL_ANZ	Width of the "Alarm/event group symbol" column in characters
TITLE_GROUPSYMBOL_STYLE	Display type of alarm/event group column symbol.
TITLE_GROUPSYMBOL	Description of alarm/event group column symbol.
CLASSSYMBOL_ANZ"	Width of the "Alarm/event class symbol" column in characters.
TITLE_CLASSSYMBOL_STYLE	Display type of alarm/event class column symbol.
TITLE_CLASSSYMBOL	Description of alarm/event class column symbol
TITLE_STATUSCAPTION_STYLE	Display type of the column Alarm status.
AREA_ANZ	Width of the column Alarm area in characters
AREA	Description of the column Alarm area.
AREANR_ANZ	Width of the column Alarm area number in characters
AREANR	Description of the column Alarm area number.
QUIT_IN_CEL=	Quitting an alarm is also entered into Chronologic Event List (1) or not (0).
COLOR_CLASS=	1: Colors are taken from the classes, 0: (default) as before (sorted/unordered colors).  If no class is linked to a limit, the background or text color is taken from the settings of the list element in the screen.
COLOR_BACKGROUND=	1: Class color is interpreted as a background color, 0: Class color defines the text color.  If no class is linked to a limit, the background or text color is taken from the settings of the list element in the screen.
DYN_LIMIT_FILE=0	Dynamic limit texts (alarm administration) use the field reaction text for storing the dynamic string (limited to 80 characters). Thus the field reaction text is reserved. If the field reaction text should be available or if 256 characters are needed, a 1 has to be entered here (an additional file to A*.AML with the name D*.AML is created).
COLOR_ACKN_MARKER =	With this entry, two rectangles in the color XXX blink at

xxx	<p>unacknowledged alarm. After acknowledging the flashing stops.</p> <p>xxx is calculated in the following way: red part (0-255) 256 * green part (0-255) + 65536 * blue part (0-255)</p>
<b>[BTB]</b> ...	Chronological Event List
DRUCKE_SYSMLDG=1	System messages 0 - Do not print 1 - Print (default)
EIN=1	Chronologic Event List 0 - Inactive 1 - Active (default)
FARBE_SORT=blue	Color for sorted entries
FARBE_UNSORT=	Color for unsorted entries
HEADER=1	Show the column headers in the list (1) or not (0).
HEADER_ENABLE=1	<p>1: Column heading can be operated</p> <p>0: Column heading is only used for display</p>
VAR_ANZ=	Number of characters for variable names default = 31
TAG_ANZ=	Number of characters for variable identification default = 39
TXT_ANZ=	Number of characters for condition text default = 40
WERT_ANZ=	Number of characters for value default = 10
STAT_ANZ=	Number of characters for status text default = 20
USER_ANZ=	Number of characters for user name
COMPUTER_ANZ=	Number of characters for computer name
RTEXT_ANZ=	Number of characters for the reaction text
CLASS_ANZ=	Number of the character for the the alarm/event class
GROUP_ANZ=	Number of the character for the the alarm/event group
ZEIT_TYP=6	<p>&gt;5: Output with date</p> <p>2,3,6 or 7: Output with time</p> <p>3 or 7: Time display with milliseconds</p>
BTBLISTE=032	<p>Desired entries and sequence in the list</p> <p>0: Variable name</p> <p>1: Identification</p> <p>2: Text</p> <p>3: Time of occurrence</p> <p>6: Status information</p>

	7: Value 8: Output to user
SOLLWERT=0	<ul style="list-style-type: none"> <li>▶ Setting of values can be entered into the Chronological Event List: <ul style="list-style-type: none"> <li>0: All actions are entered</li> <li>1: Only changes made by means of the 'Set value' dialog box</li> <li>2: No actions are logged</li> </ul> </li> </ul>
ISTWERT=0	<ul style="list-style-type: none"> <li>▶ 0: The current value is not stored and displayed.</li> <li>▶ &lt;&gt;0: The current value is stored and displayed if set value actions are logged in the CEL.</li> </ul>
REZEPT=1	0: No entry in the CEL 1: Executed recipes of the Recipe Group Manager are entered into the CEL
RTEXT_ANZ=45	Number of characters for variable names default = 31
FIRST_ENTRY=0	At system start already existing limit violations are not read by the system. Only those which occur after system start are written into the list (0). Existing limit violations are also logged (1).
TITLE_NAME=	Text of the column header as long as it is not configurable within the element (the default is the title from the language-specific resources). Need only be entered if changes are wanted.
TITLE_TAGNR=	see TITLE_NAME
TITLE_TEXT=	see TITLE_NAME
TITLE_COMES=	see TITLE_NAME
TITLE_STATUS=	see TITLE_NAME
TITLE_VALUE=	see TITLE_NAME
TITLE_USER=	see TITLE_NAME
TITLE_COMP=	see TITLE_NAME
TITLE_ACT_TEXT=	see TITLE_NAME
TITLE_CLASS=	see TITLE_NAME
TITLE_GROUP=	see TITLE_NAME
TXT_FILE=0	0 - CEL entries are saved in the format of the control system (*.CEL) 1 - CEL entries are saved in text format (*.TXT) and are no longer readable in zenon

NAME_BT B=	(only if TXT_FILE=1) Short name for the saved text files (default=BTB, i.e. BTBTTMM.TXT, TT=day MM=month)
SPONTAN=	1 - all new CEL-entries are entered immediately (except the list is stopped) 0 - Changes are updated, when the list is opened the next time (Advantage: decrease of the data traffic in networks) decrease of the data traffic in networks)
COLOR_CLASS=	1=colors are taken from the classes, 0=(default) as usual (sorted-unsorted-colors). If no class is linked to a limit, the background or text color is taken from the settings of the list element in the screen.
COLOR_BACKGROUND=	1=class color interpreted as background color, 0=class color defines text color. If no class is linked to a limit, the background or text color is taken from the settings of the list element in the screen.
DYN_LIMIT_FILE=0	Dynamic limit texts (alarm administration) use the field reaction text for storing the dynamic string (limited to 80 characters). Thus the field reaction text is reserved. If the field reaction text should be available or if 256 characters are needed, a 1 has to be entered here (an additional file to A*.AML with the name D*.AML is created).
<b>[FRM_PRNT]</b>	
LINES=	Maximum number of lines per page Default = 0
<b>[ELEMENTE]</b>	
TREND_ZEIT_FAKTOR=	Multiplication factor for time intervals when drawing in trend. A line is only drawn if the distance between 2 inserted values is x-times the necessary update-rate. (0 = No checking) default = 20
<b>[DRUCKER]</b>	
MAXPJ=90	Maximum number of print jobs in Windows Print Manager. If this number is exceeded there is an entry in the CEL.
MAXNAMEN=9	With online printing, the individual entries are handled as separate print jobs. In order to prevent name conflicts it is possible to set numbers (e.g.: for the names Alarm1, Alarm2, Alarm9).
DRUCKZEIT=2	If several alarms occur at the same time, they can be joined together to form one print job. At least 2 seconds must pass without any alarm occurring so that the print job is then sent to the printer,

<b>[PATH]</b>	
EXPORTPFAD=	Last set export path default = c:\\projekt\\export
REPORTS=	Table path for ScreenDirect or export or PrintTable default =
VIDEO=	Path of the video files (*.avi) default =
LISTEN=	Path for lists and current value printing (*.txt, *.qrf, *.frm) default =
BACKUP=	Path of the saved archives default = project directory
<b>[ARCHIV]</b>	
TRENNZEICHEN=;	Separator on evacuation to ASCII default = ;
ARCHDIGITS=	Number of decimal places when exporting archives in TXT, XML or DBF format and for export to an SQL server. default=1
KANALAUSWAHL=1	Valid for ETM-archive-channels 1 - in the dialog box for the archive to select the checkbox "all channels" is displayed 2 - in the dialog box for the archive to select the checkbox "all channels" is not displayed
SPEICHER=	Maximum number of values to be read in the memory for Extended Trend, archive revision, AML, CEL and the tables.  Amount in kilobytes.  For example: 2000000 for 2GB)  Default from Version 6.20: 1000000 (=1 GB)  <b>Attention:</b> For archive data, all values are always read in, even if only one variable is displayed.  <b>Hint:</b> The space available is checked before archive data (*.arx) is read in. If more than the size defined for this is required, the reading in is cancelled and an error message is written to the Diagnosis Viewer log.
STATUSSPERRBIT=1	Here, one bit in the status is defined that is used to suppress archiving of a value. All values where this bit is set are not archived with their current value but with INVALID as a substitute value. Valid values 0 to 31. Default settings: - 1 (inactive)

ZEIT_AUTOMATISCH=0	<p>1: For successive archives, an automatic time correction of 1 second is carried out (for example: for the value 0:00 is set to the day before =&gt; 23.59).</p> <p>0: No correction.</p>
CLIENTS_LOAD_LOCAL=0	<p>1: Archive files are read locally on the client and not requested from the server. This does not work with batch selection. Only for the archive format * .<b>arx</b> and evacuation to SQL.</p> <p><b>Attention:</b> The setting of an entry does not lead to the data created by Runtime being synchronized with the zenon client. The archive data must be copied to the client manually.</p>
SQL_MAXROWS=	<p>Maximum number values which can be read from the SQL. Entry is ensued in 1000 steps. 100 = 100.000 values.</p> <p>As of version 6.50 there is an automatic check that there is always at least 10% free memory left.</p>
<b>[ARCHEDIT]</b>	
DATUMBREITE=	Date column width of archive list box.
VARIABLEBREITE=	Variable column width.
WERTBREITE=	Value column width.
EINHEITBREITE=	Unit column width.
STATUSBREITE=	Status text column width.
ZUSTANDBREITE=	Condition text column width.
KENNUNGBREITE=	Variable column width.
ARCHEDITFONT=	Font
	Above settings can be changed in the the Runtime with the control element "View"
KURZBEZEICHNUNG=	<p>1 - Short identifier of archives is displayed in the table</p> <p>0 - Short identifier of archives is not displayed in the table</p>
ZWANGSSPEICHERN=0	<p>1 - All entries in following archives are updated</p> <p>0 - Only changed entries are updated (default)</p>
<b>[EXPORT]</b>	
OK_MESSAGEBOX=1	<p>Message box for successful data export</p> <p>1 - Message box is displayed.</p> <p>0 Message box is suppressed.</p>

FILEEXIST_MESSAGEBOX=	Overwrite message box file 1 Message box appears on the screen. 0 Message box is suppressed.
FILEEXIST_OVERWR_APP_C AN=	Files already exist 0 - Overwrite 1 APPEND records are added. 2 CANCEL export is cancelled.
MAX_LAENGE=32	number of decimal places in archiving in DBF files, default=32
<b>[EW_TREND]</b>	
ANZEIGE_GWTEXT=0	Display of the limit value texts 0 - Inactive 1 - Active (default)
<b>[PS3]</b>	
COM=com1:96,n,8,2	Settings of the serial port.
TYPE=PS32	Type of SPC used.
<b>[SAT-DRIVER]</b>	Settings of SAT driver
DDE-SERVER=2	Version of DDE-Server 2 DDE-Server 2.0 3 DDE-Server 3.0 Default = 2. This is used in versions 3.51 and higher.
BUFFER_SIZE=300	Size of the buffer that is sent to the Runtime. If needed this buffer's size is increased up to the sized entered under BUFFER_SIZE_MAX.
BUFFER_SIZE_MAX=10000	Maximal size of the buffer sent to the zenon Runtime (SICAM 230 RT).
INTERN_BUFFER_SIZE=200 0	For the communication to the DDE Server a ring buffer is used. Size definition (number of values that is saved)
TIMER_TIMEOUT_MSEC=500	Duration of buffering in milliseconds. The buffer can be emptied more often (e.g. when data from the same variable come quickly one after the other or in case of an overflow).
EZ_PUFFERGROESSE=200	Size of buffer for real-time data.
<b>[RT]</b>	Runtime settings
CURSOR_STEPS=2	Number of screen points the cursor moves when operated by the keyboard
ERSTE_TASTE=0	For function key operation 0 - Execute all functions 1 - Only execute first-found function

SELECTION_NORMAL=1	Indicator for a selected entry in lists (alarm or CEL) with a frame (0) or colored background (1).
WITH_ACTION=1	For mouse operation, the first element under the cursor is used (0) or the first element with a function linked (1).
NOT_WORKING_AKTIV=0	After a certain time with not activity by the user a selected function can automatically be executed. With this entry the execution is activated- (=1) or deactivated (=0).
NOT_WORKING_TIME=60	Time in minutes, after which the given function should be executed
NOT_WORKING_FUNC=0	Internal number of the function, that should be executed after the given time
WIN_CE=0	CE compatible project (=1 - some functions are no longer available) or not (=0 default: full functionality of the version).
TOUCHSCREEN=1	Activate automatic keyboard for touch screens
<b>[STATUS]</b>	
STATUS0=	Text for status information if Bit0 is high. A short and a long text may be entered, separated by ";".
STATUSx=	See STATUS0 for entries from 1 to 63.
<b>[TABELLE]</b>	
TRENNZEICHEN=	Definition of the separator for ASCII export file default = ,
<b>[SYSTEMTREIBER]</b>	
UPDATE_SEK=5	Cycle time of the system driver in seconds.
WISCHER_BOXEN=	<ul style="list-style-type: none"> <li>▶ 0: A beep is emitted instead of message boxes in Runtime (user-defined message screens can be displayed using system variables)</li> <li>▶ 1: Message boxes are displayed as before.</li> </ul>
WISCHER_BOXEN_USERLEVEL=	<p>Only active if WISCHER_BOXEN=1</p> <ul style="list-style-type: none"> <li>▶ 0: An error message is shown if the user is not authorized for this operation.</li> <li>▶ 1: No error message is shown if the user is not authorized for this operation.</li> </ul>
<b>[PROJEKTLINKS]</b>	Parameters for linked projects



LINK1=PROJEKTNAME	Definition project name
LINKPATH1=PROJEKTPFAD	Definition project path
GLINK=PROJEKTNAME	Definition global project name
GLINKPATH=PROJEKTPFAD	Definition global project path
<b>[NETZ]</b>	Network
SERVER=[Wert]	Value -1: network inactive, standalone station. Value >= 0: network active.
SERVER1=COMPUTER1	Server
SERVER2=COMPUTER2	Standby server
RELOADDELAY_SEC=	Reload delay for clients in seconds with large network projects. 0: No delay
<b>[TOKEN]</b>	Administration of operational authorization in the network
ACTIVE=0	Administration of authorization can be activated (=1) or deactivated (=0) with this entry.
QUIT_TIMEOUT=60	If a client has the authorization, this has to be confirmed cyclically. If this confirmation is not sent in the stated time, the client automatically loses the authorization.
QUESTION_TIMEOUT=60	If a computer needs the authorization, but another computer owns it, the later one is asked to release it. If the computer with the authorization does not answer in the stated time, it automatically loses the token.
<b>[ED_REMOTE]</b>	Remote Transport
DEVICE=1	Device 0 - Serial 1 - TCP/IP
CONFIG=CDSBG024; PORT=95; TIMEOUT=10	Device configuration string for serial baud rate or for TCP/IP port number
<b>[DIRLIST]</b>	Paths for the Remote Transport
GLOBAL_AKTIV=1	0 - Global project is not updated 1 - Global project is updated

PROJECTBASE=Path	Target basic project path
BITMAP=Path	Target bitmap path
BITMAP_AKTIV=1	0: Do not check path 1: Check path
LISTEN=Path	Target list path
LISTEN_AKTIV=1	0: Do not check path 1: Check path
VIDEO=Path	Target video path
VIDEO_AKTIV=1	0: Do not check path 1: Check path
REPORTS=Path	Target report path
REPORTS_AKTIV=1	0: Do not check path 1: Check path
SOURCE_0=Path	Source user path or file
TARGET_0=Path	Target user path or file
AKTIV_0=1	0: Do not check path 1: Check path
TYPE_0=0	0: Do not check path 1: Check path
COMMENT_0=String	User comment
<b>[TEXTLIST]</b>	Settings for language tables
File#x=36	The Editor remembers the files for the columns for the language table (x = number of column e.g: 2).
Width#x=36	The Editor remembers the widths of the columns for the language table (x = number of column e.g: 2).
TRANSLATE=1	1 - Texts in the screens in the Editor are translated by the language table. 0 - display original texts (e.g: @key).
TRANSLATE_INDEX=1	Index of the column, that is used for the language in the Editor.
<b>[VERSION]</b>	Information about the version of tzenon that was last used to edit the project

	(Version is upwards-compatible only)
VERSION1=	The Editor remembers the version number for the project
VERSION2=	The Editor remembers the version for the project
SP=	The Editor remembers the service pack number for the project
PROJECT_VERSION_ACTIVE =	0: Versioning inactive 1: Versioning active Default: 0
XML_EXPORT_ACTIVE=	0: No XML export for versioning 1: XML export for versioning active Default: 0
PROJ_MAJOR=	The number of the major version issued by the user.
PROJ_MINOR=	The detailed version number automatically incremented by the system.
PROJ_TIMESTAMP=	The time of the last project backup to the UTC in seconds.
<b>[PASSWORD]</b>	Settings for the password administration
LOGTEMP =1	Temporary login for the execution of a function is allowed (1) or not allowed (0).
[RS232LOG]	Settings for logging the serial port
LOGCOMx=0	With 1, a log file with all data that has been sent or received via serial interface x is written. The log file has the name LOG_COMxxx.TXT and is stored in the folder of the driver that has been started.
<b>[RTDATEN]</b>	Settings for generating RT changeable data
NOOVERWRITE_REZEPTTE=0	1 - the Recipe Group DB is not newly created and transferred, if it already exists
NOOVERWRITE_REZEPTUREN =0	1 - the rezeptur.cmp is not newly created and transferred, if it already exists
NOOVERWRITE_PASSWORT=0	1 - the passwort.cmp is not newly created and transferred, if it already exists
NOOVERWRITE_FPM=0	1 - the fpm.cmp is not newly created and transferred, if it already exists

<b>[ERRORLOG]</b>	Settings for generating the error log files
CE_DRV_ERROR_FILE=0	1 - the driver generates an error log file under CE
<b>[LON_32]</b>	Settings for LON driver
DIAG_LEVEL=0	Actions are logged in the error file depending on the level: 0 - no logging (default) 1 - error 2 - write 3 - read 4 - advise/unadvise 5 - internal
<b>[S7TCP32]</b>	Settings for the driver S7TCP32
FS=0	If 1 types F&S DB Bit, F&S DB Byte, F&S Bit and F&S Byte are displayed.
<b>[TRANSPASS]</b>	Remote Transport Password (on development station)
KEY=***	Password for Remote Transport
FIX=0	1: saved  0: not saved
NET=	If this entry is not 0, the Editor sends a request for data for the configuration of the encryption to the remote device after a Remote Transport connection has been made. The entry is set by the <b>Make connection</b> dialog and reset to 0 straight after the request is sent.
<b>[WORLDVIEW]</b>	Worldview display
MarkCenter=	<ul style="list-style-type: none"> <li>▶ 0: no indication of a selected station</li> <li>▶ 1: indicates a selected station in the screen for a short while after switching to it</li> </ul>
<b>[PFM]</b>	Settings for Production and Facility Manager
AnzeigenMitStrg=	Controls display of the dialog when pasting copied schedules.  Values: <ul style="list-style-type: none"> <li>▶ 1: The dialog is only shown if the <code>Ctrl</code> button is pressed whilst the</li> </ul>

	<p>schedule is inserted.</p> <p>▶ 0: The dialog is always displayed.</p>
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## AMENDING AND ACCEPTING ENTRIES

In order to guarantee that the entries that are written to `project.ini` are accepted, the following procedure is recommended:

1. Identify the project: Note the GUID (the first 4-6 digits are sufficient) and close the workspace and/or the Editor
2. To navigate to the SQL folder: There is a folder with the GUID number in the SQL directory
3. To navigate to `project.ini`: The file `project.ini` can be found in the GUID folder at `/FILES/zenon/system`.
4. Editing `project.ini`: Making changes to `project.ini`, saving it and closing it
5. Opening the Editor: Opening the Editor again or loading the project, creating the amended Runtime files and transferring these

### Info

*Regardless of the project name, `project.ini` is always saved as '`project.ini`' at `Project_SQL_Ordner/FILES/zenon/system/project.ini`.*

***Hint:** Mark the project in the project manager -> press keys `Ctrl+Alt+E` -> the Windows Explorer opens folder `Project_SQL_directory/FILES/`*

## 6. startup.ini

**Hint:** Settings should be set up in the Startup Tool. Changes to `startup.ini` are only to be made by experts.

Only the settings for encrypting communication in the network are currently documented.

Entry	Function
[Settings]	
USE_ENCRYPTION=	Activate or deactivate encryption: 0: inactive 1: active  Entry is transferred to zenon6.ini after being set and saved in the Startup Tool.
ENCRYPTION_PWD	Here, the password is entered after it has been created; it is encrypted automatically. The password is encrypted by the computer, thus an identical password on different computers leads to different content for this entry.  Entry is transferred to zenon6.ini after being set and saved in the Startup Tool.
PWD_VALIDATION=	Hash to check to see if the data used that is to be encrypted has changed.

## 7. zenDB.ini:

Entries in the zenDB.ini define the connection to the SQL server. These are set up with the Startup Tool.

## ENTRIES IN ZENDB.INI

### FROM VERSION 7.00 SP0

Entry	Default value	Description
[PATH]	None	Path
DB60_SQL2008=	None	<p>Defines the path where the SQL databases for the zenon Editor projects are stored.</p> <p>Example:</p> <pre>DB60_SQL2008=C:\ProgramData\COPA-DATA\SQL2008R2\</pre>
[CONNECTION_SQL2008]		Connection settings for SQL Server 2008 R2
USER=	Startup Tool: None Otherwise: <b>zenOnSrv</b>	Defines the user name the zenDBSrv uses to log in to the SQL Server.
PW=	Startup Tool: None Otherwise: <b>srv_700</b>	<p>Defines the password that the zenDBSrv uses with the SQL server for authentication. The password is stored in zenDB.ini in encrypted form. However, the non-encrypted default value can be used to make a connection, because encryption attempts fail due to its lengths and the default value is used directly to make a connection.</p> <p><b>Hint:</b> Each component writes this value in encrypted form to the INI file.</p>
SQLINSTANCE=	Startup Tool: None Otherwise: <b>localhost</b>	<p>Defines the SQL server instance to which zenDBSrv connects. A connection cannot be created with the default value, because it does not have an instance name. "localhost" in the instance names is replaced by the current computer name before the connection is made.</p> <p>Example:</p> <pre>SQLINSTANCE=localhost\ZENON_2008R2</pre>
SQLPROVIDER=	Startup Tool: None Otherwise: <b>SQLNCLI10.1</b>	<p>Optional entry for the provider, which zenDBSrv uses to make the database connection. The default value corresponds to the SQL Server 2008 R2 native client.</p> <p>Example:</p> <pre>SQLPROVIDER=SQLNCLI10.1</pre>

### VERSION 6.51 SP0

Entry	Default value	Description
[PATH]		Path
DB60_SQL2008=	None	Path definition. Example: DB60_SQL2005=C:\ProgramData\COPA-DATA\SQL\
[CONNECTION_SQL2005]		
SQLSERVICE_SQL2005=	localhost\ZENON_DEV	Name of the service that starts the SQL server instance. Must correspond to the PROVIDER_SQL2005= entry in the <b>Data Source</b> section. Example: SQLSERVICE_SQL2005=MSSQL\$ZENON_DEV
USER=	None	User. Example: USER=zenOnSrv
PW=	None	Password. Is issued in the Startup Tool and stored in encrypted form. Example: PW=0x9C 0x94 0xC6 0x50 0x15 0x80 0x79 0x06 0x32 0xED 0x4E 0xE1 0x15 0xDD 0x7C 0x90
SQLINSTANCE=	None	SQL Instant. Example: SQLINSTANCE=localhost\ZENON_DEV

### FROM VERSION 6.21 SP0 TO VERSION 6.50 SP0

Entry	Default value	Description
[PATH]		Path
DB60_SQL2008=	None	Path definition. Example: DB60_SQL2005=C:\ProgramData\COPA-DATA\SQL\
[CONFIG]		
SQLSERVICE_SQL2005=	localhost\ZENON_DEV	Name of the service that starts the SQL server instance. Must correspond to the PROVIDER_SQL2005= entry in the <b>Data Source</b> section.



		<p>Example:</p> <p><b>SQLSERVICE_SQL2005=MSSQL\$ZENON_DEV</b></p>
PROVIDER_SQL2005=		<p>Entry for the provider, which zenDBSrv uses to make the database connection.</p> <p>Example:</p> <p><b>PROVIDER_SQL2005=Provider=SQLNCLI.1;Password=sv_601;Persist Security Info=True;User ID=zenOnSrv;Initial Catalog=%s;Data Source=localhost\ZENON_DEV;</b></p>

#### UP TO VERSION 6.20 SP4

Entry	Default value	Description
[PATH]		Path
DB60=		<p>Example:</p> <p><b>DB60=C:\SQL\</b></p>
[CONFIG]		
SQLSERVICE=	MSSQL\$ZENON	Defines the path where the SQL databases for the zenon Editor projects are stored.
Provider=		<p>Entry for the provider, which zenDBSrv uses to make the database connection.</p> <p>Example:</p> <p><b>Provider=Provider=SQLOLEDB.1;Password=zenon;Persist Security Info=False;User ID=sa;Initial Catalog=%s;Data Source=localhost\ZENON</b></p>

## 8. zenon6.ini

**Hint:** Project settings should be done in the Editor. Changes to zenon6.ini are only to be made by experts.

Parameters	Description
[DEFAULT]	Default settings
DEFANWENDUNG30=	Currently selected project
DEFWORKSPACE=	Name of the current workspace
LANGUAGE=	Preset language GERMAN (default) ENGLISH, ITALIAN
TIMER_FKT=	Number of repetitions with time control default = 5000 ? 5 seconds
WARTE_ZEIT=	Database transactions are tried once again after the configured time[s]. The start of the transaction is carried out in a loop. Default = 10
SERIAL7=	Serial number for dongle and software licensing
ACTIVATIONKEY7=	Encrypted activation for dongle and software licensing
INTERVALL=900	When defining a new function in Time Control, this value is prompted as default for the cycle time (900 = 15 min)
SERIALIZE=	Storing screens online as binary files 0: inactive (default) 1: active
STARTDELAY=	Delay of Runtime start when booting up start in <b>ms</b> . In the event of problems when the operating system is started automatically, Runtime can be started after a delay with this setting. The operating system therefore has more time to start all required services.
SCREENPROFILE=	Selected monitor profile for current computer.
AUTOEXCEPTIME=	Time for the display of the exception box in seconds. If this entry is missing or it is set to 0, then the box is displayed until it is confirmed with <b>OK</b> .
RT_CXMAINFRAME=	Width of the resolution of all monitors minus 1 pixel.  Saves together with RT_CYMAINFRAME= the position and size of the Runtime window.

RT_CYMAINFRAME=	<p>Width of the resolution of all monitors minus 1 pixel.</p> <p>Attention: If the toolbar is embedded, its height must be considered and more pixels must be subtracted.</p> <p>Saves together with RT_CXMAINFRAME= the position and size of the Runtime window.</p>
<b>[FUNKTIONEN]</b>	Function administration
LIST_BOX=	<p>Last left position of the input field.</p> <p>Format: <b>left, top, right, bottom</b></p> <p>No entry = use default position</p>
<b>[DRUCKER]</b>	Printer assignment
ALARM=	Printer for the Alarm Message List or CEL.
ALARM_OFFFL=	An independent printer can be used for offline printouts. The alarm printer is used if there is no entry.
ALARM_OFFFL_PAGE=	Setting for the alarm printer page.
HDDRUCKER=	Printer for hard copy.
HDDRUCKER_PAGE=	Setting for the HD printer page.
LISTDRUCKER=	Printer for general lists.
LISTDRUCKER_PAGE=	Setting for the list printer page.
WERTE=	Printer for output of the current values.
WERTE_PAGE=	Setting for the page of the current values printer.
<b>[PATH]</b>	Path settings
EXE=	Path of the EXE files (program directory).
VBF30=	Path of the current project database.
BILDER=	Path of the BLD files.
DLL=	Path of the DLL files (program directory).
GRAPHIK=	Path of the graphics files for graphics import.
BITMAP=	<p>Path of the bitmap files:</p> <ul style="list-style-type: none"> <li>▶ *.bmp</li> </ul>

	<ul style="list-style-type: none"><li>▶ *.wmf</li><li>▶ *.jpg</li><li>▶ *.png</li></ul>
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ZUORDNUNG=	Only for compatibility reasons.
EXPORTARV=	Path for archives evacuated by user (*.arv).
WEB_PROJECT_PATH=	Folder for the Runtime files of the web client. The %temp%\zenWebCli folder is used if this entry is not available.
<b>[EXPORT]</b>	Export
AML_CEL_NEU=1	Export in dBase-file in standard format (0) or as in the Editor for the corresponding list windows defined columns (1).
<b>[STATISCH]</b>	Editor settings
SUCHE=	Radius (in pixels) for determining when a point of a traverse should be the same as another. Default = 5
<b>[SAT-DRIVER]</b>	Settings SAT-Driver
DATENPUNKTAUFZEICHNEN=0	Address of the data point to be logged in the <b>CS_PROT.TXT</b> file. Default value 0 – No data point is logged.  From version 3.51, the name of the variable must be entered here.
DATENPUNKTAUFZEICHNEN2=	See DATAPOINT LOGGING chapter.
DATENPUNKTAUFZEICHNEN3=	See DATAPOINT LOGGING chapter.
DATENPUNKTAUFZEICHNEN4=	See DATAPOINT LOGGING chapter.
CHECK_VARIABLES=0	<ul style="list-style-type: none"> <li>▶ 1: The variables are checked and the results are written to the file <b>SAT_PROT.TXT</b>. All variables registered on only one side (DDE Server or SICAM 230) are logged.</li> </ul> <p>Default: 0</p>
KDA_BUFFERSIZE=200	Buffer size.
KDA_TIMER_MSEC=30000	Scanning cycle.
<b>[RT]</b>	
DRIVER_QUE=0	Size of sending queue to Runtime. (0=unlimited)
DRIVER_COUNT=0	TMP-entry for driver and Runtime

DYNRAHMEN=	Display frame around dynamic elements in online operation. 0: Do not display 1: Display
RECT_ANZ=50	Setting for optimization measures.  The parts of the screens to be displayed anew are collected in rectangles and then drawn. After the defined value has been reached, the new character ranges are added to the first rectangle.
<b>[EDITOR]</b>	Settings in the Editor
LASTWORKSPACE=1	1: last workspace is loaded automatically 0: Editor starts without loading workspace
WORKSPACEVIEW=1	1: display of workspace active 0: display of workspace inactive
SPOT=	Size of the corner points of the elements Default = 2
SUCHE=	Define for the same point with dragging Default = 2
DYNRAHMEN=	Display frames around dynamic elements in the Editor: 0: Not active 1: Active (default)
RASTER=	Position in grid: 0: Not active 1: Active (default)
RASTER_GRID=	Display grid: 0: Not active (default) 1: active
RASTER_ABSTAND_X=	Horizontal grid distance in pixels. Default = 5
RASTER_ABSTAND_Y=	Vertical grid distance in pixels. Default = 5
KOORD_GLOBAL=0	Coordinate display type: 0: Pixel coordinates (default) 1: World co-ordinates
EINGABE_SOFORT=0	Call up of an element's input field during creation:

	<ul style="list-style-type: none"><li>▶ 0: No</li><li>▶ 1: immediately</li></ul>
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SELECT_INVERSE=1	<p>Background inversion:</p> <ul style="list-style-type: none"> <li>▶ 1: Selected elements are displayed with an inverted background. with some colors (e.g.: dark grey), this is hard to see.</li> <li>▶ 0: If you enter 0, the color of SELECT_COLOR is used.</li> </ul>
SELECT_COLOR=rot	The color that is used to identify selected elements in the Editor if SELECT_INVERSE is not active.
RUECK_ANZ=10	Number of actions that can be undone.
KONVERT=0	<p>Some elements might be moved when using projects from versions older than 3.51 SP3. To prevent this, additional checkboxes are opened with which you can convert the projects.</p> <p>1: active</p>
WINDOW=3,109,181,589,661	<p>The Editor stores its screen position in this entry in the file zenon6.ini when it is closed. It is started at the saved position next time it is started.</p> <p>First number: Defines if the window is minimized, maximized or displayed normally.</p> <p>Other numbers: Position from the upper left corner.</p>
KEY_WIDTH=36	The Editor remembers the width of the column for keywords in the language table.
SYMBOL_COLOR=16777215 (=white)	Background color of the symbol in the symbol editor, in order to easier recognize the drawing area.
POST_BUILD_STEP=	<p>The program stated here is started automatically after Runtime files are created:</p> <p>Parameter1: <b>Project name</b></p> <p>Parameter2: <b>Project path</b></p>
<b>[VBA]</b>	Parameters for Visual Basic for Applications
EIN=1	<p>Activate VBA</p> <p>0: off</p> <p>1: on</p>
EVENT=1	<p>Activate VBA events</p> <p>0: off</p> <p>1: on</p>



BREAK=1	<p>Activate VBA message box for errors, asking whether to debug during Runtime</p> <p>1: On (default)</p> <p>0: off</p>
<b>[VSTA]</b>	Parameters for VSTA
ON=1	<p>1: VSTA activated (default)</p> <p>0: VSTA deactivated</p>
CSHARP=1	<p>VSTA programming language for Editor -&gt;</p> <p>1 : C#</p> <p>0 : VB.NET</p>
LOADED=1	<p>1: VSTA add-in for the Editor is loaded on start up</p> <p>0: When the Editor is started, a dialog asks if the VSTA add-in is to be loaded.</p> <p><b>Note:</b> If a defective add-in leads to the Editor crashing, the entry is automatically set to 0.</p>
<b>[SYMBOL]</b>	
SICHTBAR=	<p>Defines if the toolbar is visible when the program is started:</p> <p>1: Visible (default)</p> <p>0: Not visible</p>
SUBSTITUTE=	<p>Is the replace function to be used when a symbol is pasted to a screen?</p> <ul style="list-style-type: none"> <li>▶ 1: Yes (default)</li> <li>▶ 0: No</li> </ul> <p>This function only has an effect for elements that are linked to at least one variable.</p>
VORSCHAU=	<p>Defines if the preview window is to be displayed:</p> <ul style="list-style-type: none"> <li>▶ 1: Yes (default)</li> <li>▶ 0: No</li> </ul> <p>Switching this off (0) saves space in the Editor.</p>
BREITE=	Set screen width when last edited.

HOEHE=	Set screen height when last edited.
LINKS=	Defines the left border of the window.
RECHTS=	Defines the right border of the window.
TOP=	Defines the upper border of the window.
BOTTOM=	Defines the lower border of the window.
STRETCHED=1	<p>Display of the symbols in the preview window:</p> <ul style="list-style-type: none"> <li>▶ 1: Adaptation to the size of the</li> <li>▶ 0: Aspect ratio is retained</li> </ul>
<b>[VarListBox]</b>	Settings for variable list
SINGLE=	<p>Position of the variables list box (single selection) when being displayed the last time (no entry = default).</p> <p>Format: left, top, right, bottom</p>
MULTI=	<p>Position of the variables list box (multiple selection) when being displayed the last time (no entry=default).</p> <p>Format: left, top, right, bottom</p>
<b>[ALARM]</b>	Alarms administration
RAS_AML_INIT=0	<p>0: inactive (default)</p> <p>1: When the RAS client is started, all AML files are copied</p>
<b>[NETZ]</b>	Parameters of the network operation
QUESIZE=5000	<p>Maximum number of objects in a queue in the network.</p> <p>Default = 5000</p>
NET_TIMEOUT_MSEC=	<p>Timeout for network communication in milliseconds.</p> <p>Default = 30000</p>
NET_NETMODULE_TIMEOUT_MSEC=	<p>Timeout for module communication in milliseconds.</p> <p>Default = 30000</p>
NET_CONNECTCOUNT=	<p>Repetitions of TCP/IP connect on the client.</p> <p>0: Immediate repetition</p> <p>Default = 0</p>
NET_CONNECTWAIT_MSEC=30000	<p>Waiting time after an unsuccessful TCP/IP connect on the client in milliseconds.</p>

	Default = 30000
USEIPV6=	<p>Regulates the use of IPv6.</p> <p>1: Active, all TCP connections are only created via IPv6.</p> <p>0: Inactive, all TCP connections are only created via IPv4.</p> <p>Dual operation is not possible.</p> <p><b>Note:</b> If this option is changed, all ongoing zenon processes must be restarted. This concerns zenAdminSrv, zenSysSrv, zenLogSrv and zenDBSrv in particular.</p> <p>The following components are not affected by the setting:</p> <ul style="list-style-type: none"> <li>▶ Driver communication with the PLCs</li> <li>▶ Protocol communication in the Process Gateway plug-ins</li> <li>▶ Workbench and Runtime communication in zenon Logic</li> </ul> <p><b>Attention:</b> Only works with version 7 onwards. No versions prior to version 7 can be started if this is active.</p>
WAN=	<p>Client connection to the server:</p> <p>0: LAN (default)</p> <p>1: WAN</p>
WAN_IDLETIME=	<p>WAN idle time.</p> <p>The connection to the server or client is closed after this time.</p> <p>Default = 30000 ms</p>
TIMESYNCH=	<p>1: = Time is compared to a server project (default)</p> <p>0: = Time is not compared (for circular redundancy, for example)</p>
USE_ENCRYPTION=	<p>Activate or deactivate encryption:</p> <p>0: inactive</p> <p>1: active</p>
ENCRYPTION_PWD	<p>Here, the password is entered after it has been created; it is encrypted automatically. The password is encrypted by the computer, thus an identical password on different computers leads to different content for this entry.</p>
PWD_VALIDATION=	<p>Hash to check to see if the data used that is to be encrypted has changed.</p>
NET_PROXYPORT=	<p>Port for connection from the web client to the web server: The web server eavesdrops on the port, the web client connects to</p>

	<p>the port. Default:</p> <ul style="list-style-type: none"> <li>▶ TCP: 1102</li> <li>▶ HTTP: 8080</li> </ul>
POLLING_INTERVALL=	<p>Waiting time in milliseconds until the web client sends another HTTP GET request to the web server if the buffer for a connection is empty.</p> <p>Default: 2000</p>
[IPADDR]	<p>Only under Windows CE.</p> <p>Because HOSTS files are not supported under CE, computer names are assigned using an IP address assignment list.</p> <p>This list is only necessary in networks without DNS. If a DNS server exists, Windows CE resolves the names by itself.</p> <p>The list can only be edited by hand with a text editor. Usually only the address of the defined server has to be entered.</p>
COMPUTERNAME1=	<p>Allocates an IP address to a computer. For example:</p> <p><b>COMPUTERNAME1=192.52.109.62</b></p> <p><b>COMPUTERNAME2=192.52.109.63</b></p> <p><b>Attention:</b> All entries (computer names) have to be in capitals, otherwise they are not recognized.</p>
[MESSAGE CONTROL]	<p>Settings for the module Message Control.</p> <p>Entries and their configurations - see section Message Control (on page 55).</p>
[TERMINAL]	<p>Settings for terminal server</p>
CLIENT=	<p>Possible values:</p> <ul style="list-style-type: none"> <li>▶ 0: The Runtime can only be started once. Operation on the terminal server is not possible.</li> <li>▶ 1: Terminal server is used. The Runtime can be started several times, all settings for the terminal server operation are automatically set by the Runtime.</li> </ul> <p>Default: 0</p>

CLIENT_NO_FILE_ALIGN=	<p>Parameters for synchronization of the client with the server:</p> <ul style="list-style-type: none"> <li>▶ 0: Projects are always reloaded by all clients.</li> <li>▶ 1: Selective synchronization active. Only the &gt;CD_PRODUCTNAME&gt; client that is started in the console session of the terminal server synchronizes the Runtime files with the &gt;CD_PRODUCTNAME&gt; server</li> </ul>
SERIALIZE=	<p>Definition of the screen resolution:</p> <ul style="list-style-type: none"> <li>▶ 0: Screen resolution individual, all screens are recalculated for each client</li> <li>▶ 1: The first client started sets the screen resolution.</li> </ul>
<b>[editor/CustomMenu]</b>	Settings for the user-defined menu in the editor
Name#0=	Entry in the menu for program 0.
File#0=	Name of the file to execute for menu entry 0.
Arguments#0=	Parameter for the program execution.
<b>[PASSWORD]</b>	Settings for the password administration
LOGOFF=0	Time in minutes for automatic logout without any user action.
<b>[Command initiation]</b>	
TYP=	Type of command window (Special application = DBAG)
POSITION=	<p>Defines position and size of the login/logout mask: xleft, xright, yup, ydown Value range from 0 to 1 Default: 0.001, 0.999, 0.835, 0.964</p>
SCHRIFT=	Font in online operation default = -13,0,0,0,400,0,0,0,3,2,1,34,Arial
CODE=	Code number query 0: off (default) 1: on
Befehlsstring=	Logging of "Command:" in CEL for command 1: = active (default)
CodeKontrolle=	Consistency check on code number request:

	<p>0: off (default) 1: on</p>
TASTE=	<p>Keyboard layout for two-hand-operation no entry -&gt; one hand RETURN SPACE F2..F12 A..Z 0..9 default = <b>none</b></p>
<b>[TRANSPASS]</b>	Remote Transport Password (on remote station)
KEY=***	Password for Remote Transport
FIX=0	<p>1: saved 0: not saved</p>
InitWait=	<p>Wait time for local driver start. zenon RT waits for a defined period of time in milliseconds, so that the driver starts correctly.</p> <p>Experience shows that this is only required with WIN95, due to bad multitasking behavior.</p> <p>Reference value: =500 ms</p>
<b>[STATISCH]</b>	
SUCHE=5	<p>Ending a traverse: Radius (in pixels) for determining when a point should be the same as another. The default value is used if there is no entry.</p> <p>Default: 5</p>
<b>[EW_TREND]</b>	
AUTOSKALIERUNG=0	Defines if autoscaling by default is active or not.
<b>[SYS_REMOTE]</b>	<p>Administration of the Remote Transport parameters in the network.</p> <p>For configuration of the Diagnosis Server, see the chapter: Configuration of Diagnosis Server using zenon6.ini (on page 48)</p>
CONFIG=	<p>Configuration string for <b>zenSysSrv</b>. Remote Transport and the diagnosis system use the same server configuration up to and including version 6.51 SP0. For configuration details, in particular for versions before version 7, see chapter: Configuration of Diagnosis Server using zenon6.ini (on page 48)</p>

	<p>The string consists of the following parts:  DEVICE=[Device];HOST=[Hostname];PORT=[Port];TIMEOUT=[Timeout].</p> <ul style="list-style-type: none"> <li>▶ DEVICE: Sets the communication type used.  TCP/IP and serial are available.</li> <li>▶ HOST: Is set to the computer name of the Diagnosis Server.</li> <li>▶ PORT: States the port to be used.</li> <li>▶ TIMEOUT: Provides the connection time-out time in seconds.</li> <li>▶ BAUD: Provides the connection speed of a serial connection.</li> </ul> <p><u>PC configuration:</u></p> <ul style="list-style-type: none"> <li>▶ DEVICE=TCP/IP</li> <li>▶ HOST=localhost</li> <li>▶ PORT=1101</li> <li>▶ TIMEOUT=10</li> </ul> <p><u>CE configuration:</u></p> <ul style="list-style-type: none"> <li>▶ DEVICE=COM1</li> <li>▶ BAUD=115200</li> </ul>
<b>[SIMULATOR]</b>	
OFFSET=0	Offset for control variables in the simulator.
DWBEGIN=	Beginning of the DWORD variable addresses.
DWEND=	End of the DWORD variable addresses.
FLOATBEGIN=	End of the float variable addresses.
FLOATEND=	End of the float variable addresses.
UPDATE=	Update time in milliseconds. Default: 500 (= 0.5 seconds)
BACKUP=1	0: HD variables are not stored on a hard disk. 1: HD variables are stored on a hard disk (default).
MAXHDVALS=1024	Sets the maximal offset area-1 for HD data. For HD-string, the offset has to stay 4 under this value.

	Default: 1024
DIAG_LEVEL=	<ul style="list-style-type: none"> <li>▶ 1: Protocol diagnosis in the error file (setting values)</li> <li>▶ Default: 0</li> </ul>

### Info

*You can find zenon6.ini in the following path:*

*Windows Vista/7: C:\ProgramData\COPA-DATA\System\*

*Windows XP: C:\Dokumente und Einstellungen\All users\Anwendungsdaten\COPA-DATA\System*

## 8.1 Configuration of Diagnosis Server using zenon6.ini

From version 7, Remote Transport and diagnosis are carried out by means of two different services. If there are both old and new Diagnosis Clients and/or Diagnosis Servers on a device, these can be configured independently of each other by means of INI entries. For example, the LOG entries of old Diagnosis Clients are diverted, without the LOG entries of new clients being affected.



## DIAGNOSIS SERVER BEFORE VERSION 7.00 SP0

INI entry	Description
[SYS_REMOTE]	Section in zenon6.ini.  Contains parameters for zenSysSrv (Remote Transport and Diagnosis Server).
LOGDirectory=	Defines folder for the LOG files.  If there is no entry, the LOG folder in the ProgramData folder is used as a default value.  Example: LOGDirectory= %ProgramData%\COPA-DATA\zenon651\LOG
CONFIG=	Configuration string for the Diagnosis Server and <b>zenSysSrv</b> . Remote Transport and the diagnosis system use the same server configuration up to and including version 6.51 SP0. The string consists of the following parts: DEVICE= [Device] ; HOST= [Hostname] ; PORT= [Port] ; TIMEOUT= [Timeout]  <ul style="list-style-type: none"> <li>▶ DEVICE: Sets the communication type used. TCP/IP and serial are available.</li> <li>▶ HOST: Is set to the computer name of the Diagnosis Server.</li> <li>▶ PORT: States the port to be used.</li> <li>▶ TIMEOUT: Provides the time-out time for the connection in seconds.</li> <li>▶ BAUD: Provides the connection speed of a serial connection.</li> </ul> <u>PC configuration:</u> <ul style="list-style-type: none"> <li>▶ DEVICE=TCP/IP</li> <li>▶ HOST=localhost</li> <li>▶ PORT=1101</li> <li>▶ TIMEOUT=10</li> </ul> <u>CE configuration:</u> <ul style="list-style-type: none"> <li>▶ DEVICE=COM1</li> <li>▶ BAUD=115200</li> </ul>
LOGMinFreeDiskSpace=	Defines minimum memory (in MB) that must be available on the hard drive. LOG files are deleted before this value is gone below.

	Default: 1024
LOGMaxUsedDiskSpace=	<p>Defines the maximum memory on the hard drive in MB used for LOG files. LOG files are deleted if this value is exceeded.</p> <p>Default: 1024</p>
LOGMinUsedDiskSpace=	<p>Defines memory on the hard drive (in MB) that is used even if there are no LOG files.</p> <p>Default: 5</p>
LOGLogLifeTime=	<p>Defines the lifecycle of the LOG files in seconds. Older LOG files are deleted.</p> <p>Default: 1209600 (corresponds to 14 days)</p>
LOGImageCnt=	<p>Defines the number of LOG entries, after which all incremental LOG files are written.</p> <p>Default: 0</p>
LOGLogUpdateTime=	<p>Number of milliseconds, after which the LOG entries received are written to a LOG file.</p> <p>Default: 2000</p>
LOGMaxBufferedRecs=	<p>Defines the number of LOG entries that are buffered if they cannot be written to files.</p> <p>Default: 10240</p>
LOGMaxLogFileSize=	<p>Maximal size of a log file in bytes. If a log file reaches this size, it is closed and a new log file is created.</p> <p>Default: 5242880 (corresponds to 5 MB)</p>
LOGCheckDiskTime=	<p>Defines the interval in seconds, in which the memory occupied by LOG files is checked.</p> <p>Default: 60</p>
INIT=	<p>Action when starting the application with Windows CE:</p> <ul style="list-style-type: none"> <li>▶ 0: end immediately</li> <li>▶ 1 (or other value greater than 2): Open listening port in minimize to system tray</li> <li>▶ 2: only display surface</li> </ul> <p>Default: 1</p> <p><b>Note:</b> As part of the separation of zenSysServ and zenLogServ for zenon 7.00,</p>

	this default value was also changed for other versions. The default value was previously 2.
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## DIAGNOSIS SERVER FROM VERSION 7.00 SP0

INI entry	Description
[LOGGING_SYSTEM]	Section in zenon6.ini.  Contains parameters for the Diagnosis Server. Only affects <b>zenLogSrv</b> and has no effect on <b>zenSysSrv</b> .
LOGDirectory=	Defines folder for the LOG files.  If there is no entry, the following is used as a standard value:  The path extracted from the Registry, for example: %ProgramData%\COPA-DATA\LOG  the LOG folder in the ProgramData folder of the zenLogSrv, if no path is defined in the registry, e.g. %ProgramData%\COPA-DATA\zenon700\LOG
CONFIG=	Configuration string for the Diagnosis Server. The string consists of the following parts: DEVICE=TCP/IP;HOST=[Hostname];PORT=[Port];TIMEOUT=[Timeout]  <ul style="list-style-type: none"> <li>▶ DEVICE: Sets the communication type used and must always be set to TCP/IP</li> <li>▶ HOST: Is set to the computer name of the Diagnosis Server.</li> <li>▶ PORT: States the port to be used.</li> <li>▶ TIMEOUT: Provides the time-out time for the connection in seconds.</li> </ul> <u>Configuration:</u> <ul style="list-style-type: none"> <li>▶ DEVICE=TCP/IP</li> <li>▶ HOST=localhost</li> <li>▶ PORT=50780</li> <li>▶ TIMEOUT=10</li> </ul>
LOGMinFreeDiskSpace=	Defines minimum memory (in MB) that must be available on the hard drive. LOG files are deleted before this value is gone below.  Default: 1024

LOGMaxUsedDiskSpace=	<p>Defines the maximum memory on the hard drive in MB used for LOG files. LOG files are deleted if this value is exceeded.</p> <p>Default: 1024</p>
LOGMinUsedDiskSpace=	<p>Defines memory on the hard drive (in MB) that is used even if there are no LOG files.</p> <p>Default: 5</p>
LOGLogLifeTime=	<p>Defines the lifecycle of the LOG files in seconds. Older LOG files are deleted.</p> <p>Default: 1209600 (corresponds to 14 days)</p>
LOGImageCnt=	<p>Defines the number of LOG entries, after which all incremental LOG files are written.</p> <p>Default: 0</p>
LOGLogUpdateTime=	<p>Number of milliseconds, after which the LOG entries received are written to a LOG file.</p> <p>Default: 2000</p>
LOGMaxBufferedRecords=	<p>Defines the number of LOG entries that are buffered if they cannot be written to files.</p> <p>Default: 10240</p>
LOGMaxLogFileSize=	<p>Maximal size of a log file in bytes. If a log file reaches this size, it is closed and a new log file is created.</p> <p>Default: 5242880 (corresponds to 5 MB)</p>
LOGCheckDiskTime=	<p>Defines the interval in seconds, in which the memory occupied by LOG files is checked.</p> <p>Default: 60</p>
INIT=	<p>Action when starting the application with Windows CE:</p> <ul style="list-style-type: none"> <li>▶ 0: end immediately</li> <li>▶ 1 (or other value greater than 2): Open listening port in minimize to system tray</li> <li>▶ 2: only display surface</li> </ul> <p>Default: 1</p>

#### DIAGNOSIS CLIENT BEFORE VERSION 7.00 SP0:

INI entry	Description
[SYS_REMOTE]	Section in zenon6.ini. Contains parameters for the Diagnosis Client.
LOG_CONFIG=	<p>A configuration string for the Diagnosis Client is stored here. The string consists of the following parts:            DEVICE=TCP/IP;HOST=[Hostname];PORT=[Port];TIMEOUT=[Timeout]</p> <ul style="list-style-type: none"> <li>▶ DEVICE: Sets the communication type used and must always be set to TCP/IP</li> <li>▶ HOST: Is set to the computer name of the Diagnosis Server.</li> <li>▶ PORT: States the port to be used.</li> <li>▶ TIMEOUT: Provides the time-out time for the connection in seconds.</li> </ul> <p><u>Configuration:</u></p> <ul style="list-style-type: none"> <li>▶ DEVICE=TCP/IP</li> <li>▶ HOST=localhost</li> <li>▶ PORT=1101</li> <li>▶ TIMEOUT=10</li> </ul>

#### DIAGNOSIS CLIENT FROM VERSION 7.00 SP0

INI entry	Description
[LOGGING_SYSTEM]	Section in zenon6.ini. Contains parameters for the Diagnosis Client.
LOG_CONFIG=	<p>A configuration string for the Diagnosis Client is stored here. The string consists of the following parts:            DEVICE=TCP/IP;HOST=[Hostname];PORT=[Port];TIMEOUT=[Timeout]</p> <ul style="list-style-type: none"> <li>▶ DEVICE: Sets the communication type used and must always be set to TCP/IP</li> <li>▶ HOST: Is set to the computer name of the Diagnosis Server.</li> <li>▶ PORT: States the port to be used.</li> <li>▶ TIMEOUT: Provides the time-out time for the connection in seconds.</li> </ul>

	<p><u>Configuration:</u></p> <ul style="list-style-type: none"> <li>▶ DEVICE=TCP/IP</li> <li>▶ HOST=localhost</li> <li>▶ PORT=50780</li> <li>▶ TIMEOUT=10</li> </ul>
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## HINTS

### INIT UNDER CE

Under Windows CE we urgently recommend to not set entry `INIT=` (in section `[LOGGING_SYSTEM]` or `[SYS_REMOTE]`) to value 2.

**Reason:** The value 2 means that both the `sysSrvCE` and the `LogSrvCE` only display the user interface and not open the listening port.

If now a Diagnosis Client wants to establish a connection, it will fail. As in this case the Diagnosis Clients start process `LogSrvCE` and the process does not open the port, each Diagnosis Client starts such a process. This leads to several parallel `LogSrvCE` processes and to a delay in starting the Diagnosis Clients as it waits for the timeout of the connection while establishing the diagnosis connection.

### ZENLOGSRV ON A SYSTEM WITH DIFFERENT VERSIONS

If `zenLogSrv` is used on a system with different versions as a central local diagnosis server, the entry `LOG_CONFIG` in the `[SYS_REMOTE]` such must be as follows:  
`DEVICE=TCP/IP;HOST=localhost;PORT=5780;TIMEOUT=10`

**Reason:** Older clients then use `zenLogSrv` as the Diagnosis Server. New clients do this automatically. This service is switched on automatically on the PC when the system is started; it must be started manually with CE.

**Attention:** If the port cannot be reached, older clients start `zenSysSrv` and retry connecting to it.

## 8.2 Message Control

The global properties for sending messages in module Message Control are saved in file **zenon6.ini** (on page 33) in section **[MESSAGE CONTROL]**.

Entry	Description
[MESSAGE CONTROL]	Section in <code>zenon6.ini</code>
Outlook_Profile=	Name of the Outlook profile which should be used for sending. Default: empty
Outlook=	Sending active?  0: inactive  1: active  Default: 0
Subject=	Unique ID which incoming e-mails must contain in order to be processed in Message Control.  Default: empty
Telephone_Timeout=	Time in minutes after which a standing condition should be canceled and closed. Time interval must be longer as the time needed for playing back and confirming the message.  Default: 1
Telephone_WelcomeMessageCount=	Number of repetitions for the welcome text.  Default: 5
Telephone_IgnoreDisconnect=	1: A disconnection (e.g. recipient ends call) is ignored and the message is played back completely before the line is closed.  0: Message is aborted when the connection breaks.  Default: 0
Telephone=	Sending active?  0: inactive  1: active  Default: 0
Speech=	Sending active?  0: inactive  1: active  Default: 0



Speech_Rate=	<p>Speech speed.</p> <p>Minimum: -10</p> <p>Maximum: 10</p> <p>Default: 0</p>
Speech_Volume=	<p>Speech volume. Number equals the percent value of the maximum value of the selected speech.</p> <p>Maximum: 100</p> <p>Minimum: 1</p> <p>0: Number of the operating system is take over without change.</p> <p>Default: 0</p>
Speech_Name=	<p>Selection of speech and language</p> <p>Default: empty</p>
SMSGateway=	<p>Sending active?</p> <p>0: inactive</p> <p>1: active</p> <p>Default: 0</p>
SMSGateway_Inbox=	<p>Income folder for sending SMS.</p> <p>Default: empty</p>
SMSGateway_Outbox=	<p>Outgoing folder for sending SMS.</p> <p>Default: empty</p>
SMSGateway_Statusbox=	<p>Folder for the status message at SMS sending.</p> <p>Default: empty</p>
SMSGateway_Prefix=	<p>First letter of the SMS files.</p> <p>Length: 1 characters</p> <p>Default: F</p>
SMSGateway_SemaphorPrefix=	<p>First letter of the lock file.</p> <p>Length: 1 characters</p>

	Default: S
SMSTGateway_OriginId=	Sender identification for sending SMS. Default: empty
SMSTGateway_TimeOut=	Timeout for outgoing messages in minutes. Defines after what period of time a message is interpreted as "not send successfully". Default: 60
SMSTGateway_SmartAlarm=	Smart alarming is used. Default: 0
SMTP_POP_MAIL=	The entry defines whether the sending type is active. 1: active 0: inactive Default: 0
SMTP_SRV_IS_POP=	This entry defines whether the POP3 Server is used as SMTP Server. 1: POP 3 is SMTP 0: POP3 and SMTP are different Servers Default: 0
SMTP_SERVER=	The SMTP Server entered by the user. Default: empty
SMTP_PORT=	Defines the used port at the SMTP Server. Default: 25
SMTP_SECURITY=	Type of connection protection to the SMTP Server. 0: no protection 1: SSLv2 and SSLv3 2: TLSv1 Default: 0
SMTP_AUTH=	Authentication at the outgoing server.

	<p>0: no protection</p> <p>1: before sending log in to the POP3 Server</p> <p>2: SMTP AUTH</p> <p>Default: 0</p>
SMTP_OTHER_CREDS=	<p>Defines whether the outgoing server uses different log in data than the incoming server.</p> <p>0: inactive</p> <p>1: active</p> <p>Default: 0</p>
SMTP_USER=	<p>User name saved for the outgoing server.</p> <p>Default: empty</p>
SMTP_PASSWORD=	<p>Hex dump of the encrypted password for authentication at the outgoing server.</p> <p>Default: empty</p>
SMTP_SUBJECT=	<p>Subject for outgoing e-mails and for detecting whether an incoming e-mail at the server is relevant for the sending type.</p> <p>Default: MsgCtrl_Alert</p>
SMTP_USER_IS_ADDR=	<p>Defines whether the user name for authentication towards the outgoing server is used as sender address for outgoing mails.</p> <p>1: active</p> <p>0: inactive</p> <p>Default: 0</p>
SMTP_OUT_ADDR=	<p>Address for outgoing e-mails.</p> <p>Default: empty</p>
POP_SERVER=	<p>POP3 Server saved.</p> <p>Default: empty</p>
POP_PORT=	<p>Defines the used port at the POP3 Server.</p> <p>Default: 110</p>
POP_SECURITY=	<p>Type of connection protection to the POP3 Server.</p>

	<p>0: no protection</p> <p>1: SSLv2 and SSLv3</p> <p>2: TLSv1</p> <p>Default: 0</p>
POP_APOP=	<p>Defines whether the APOP command should be used.</p> <p>1: active</p> <p>0: inactive</p> <p>Default: 0</p>
POP_KEEP_MAILS=	<p>Defines whether read e-mails remain on the server.</p> <p>1: E-mails are not deleted after they were fetched from the server</p> <p>0: E-mails are deleted after they were fetched from the server</p> <p>Default: 0</p>
POP_USER=	<p>User name for the incoming server.</p> <p>Default: empty</p>
POP_PASSWORD=	<p>Hex dump of the encrypted password for authentication at the incoming server.</p> <p>Default: empty</p>
POP_POLL_INTERVAL=	<p>Minimum period between two POP3 requests in seconds.</p> <p>Minimal: 10</p> <p>Default: 60</p>
GSM_SMS=	<p>Activation of SMS via GSM as sending type.</p> <p>0: active</p> <p>not 0: inactive</p> <p>Default: 0</p> <p>The entry equals entry <b>[GSM]</b> à On in file Message32.ini and is considered at the import/export of the INI setting.</p>
GSM_SMS_COM=	<p>COM port which is used for the connecton to the modem.</p>

	Default: empty
GSM_SMS_SMSC=	Telephone number of the message center of the GSM provider. Default: empty
GSM_SMS_PIN=	PIN code which is used for authentication towards the modem. Default: empty

 **Info**

*As some properties can take over the values of other properties and they remember the values entered last, the values in the INI entry must not always concur with the values of the properties displayed in the Editor. The following entries are concerned if they are displayed as not available:*

*SMTP\_SERVER -> Server address*

*SMTP\_USER -> User identification*

*SMTP\_PASSWORD -> Password*

*SMTP\_OUT\_ADDR -> Address for outward e-mails*

## 9. zenWebSrv.ini

Settings for zenon web server.

Parameters	Description
[DEFAULT]	Basic settings.
INIT=	Settings for activation of the zenon web server. Different setting to 0: Web server was started by system control.
USE_HTTP_PROXY=	Defines if the connection is made via TCP or via HTTP. <ul style="list-style-type: none"> <li>▶ 0: TCP is used.</li> <li>▶ Not 0: HTTP tunneling is used.</li> </ul> Value can be set directly via the web server configuration dialog
[PROXY]	Exchange of data between zenon web server and system control.
REMOVE_CLIENT	This entry reports when a logged-in client is removed in the system control to the zenon web server.
MAX_CLIENT	Maximum number of clients. (depends on the license.)
AKT_CLIENT	Current number of logged-in clients.
SERIAL7=	Serial number for zenon web server.
ACTIVATIONKEY7=	Encrypted activation number for zenon web server.
LICENCEINFO	License information, as it is displayed in the system control: <ul style="list-style-type: none"> <li>▶ Demo Webserver Pro</li> <li>▶ Demo Webserver</li> <li>▶ Runtime Webserver Pro</li> <li>▶ Runtime Webserver</li> </ul>
[CLIENTLIST]	List of logged-in clients.
NAME_[Index 00 upwards]	Name of logged-in client.

**Hint:** The entries in [PROXY] and [CLIENTLIST] are deleted when the zenon web server is started. If the service receives a control command from the system control, the entries are written or read as required.

 **Info**

*You can find the **zenWebSrv.ini** in the %cd\_system% path.*