

# System Variables

System variables affect the behavior of Entire Connection during runtime.

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See also: \*PASSWORD1 - 4 and \*USERID1 - 4.

System variables can be modified during runtime, using the SET command. Using the TOGGLE command, you can also modify system variables of type Binary.

This chapter covers the following topics:

- Types of System Variables
- Value Types for System Variables
- List of System Variables

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## Types of System Variables

There are two types of system variables:

- **System variables that affect the whole Entire Connection system**  
These variables are set at startup time with values from the share file. You can modify the values during runtime, either from the command line or from a procedure file. The modifications are valid only as long as Entire Connection is active. In the corresponding object properties, variable values can be changed permanently.
- **System variables that only affect specific sessions**  
When a session is opened, these variables are filled with values from the session properties. You can modify the values while the session is open, using a procedure file. The modifications are valid only as long as the session is open. In the session properties, variable values can be changed permanently.

## Value Types for System Variables

Value Type	Value
Binary	TRUE/FALSE  You can also use the combinations YES/NO and ON/OFF which are synonymous with TRUE/FALSE. When you display the value of a variable, TRUE or FALSE is always shown.
Date	Date format (month, day, year and delimiter character) as defined in the user properties.
Path	{[[drive:]\directory\...\]filename[.extension]}
Integer	Whole positive number.
String	Any ASCII character or a group of ASCII characters. The maximum length is 254 characters.
Parity	EVEN, MARK, NONE, ODD, SPACE
Task Name	Name of a valid task.
Time	Time format (hour, minute, second and delimiter character) as defined in the user properties.  If the delimiter character is A, the time is displayed in the AM/PM format (for example, 01:30 PM).

## List of System Variables

The default value of a system variable is indicated by underlining.

### AUDIT

<b>Affects</b>	System
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	User properties / Procedure / Audit procedure files

### AUDITXFER

<b>Affects</b>	System
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	User properties / Procedure / Audit file transfer

**AUTOLOCK**

<b>Affects</b>	System
<b>Value Type</b>	Integer
<b>Valid Values</b>	<u>0</u> - 1440 (minutes)
<b>Object / Page / Option</b>	User properties / Parameters 1 / Autolock time

**BAUDRATE**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	300/1200/2400/4800/ <u>9600</u> /14400/19200/28800/38400/57600/115200
<b>Object / Page / Option</b>	Session properties / Serial communication / Baud rate

**BEEP**

<b>Affects</b>	System
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	User properties / Parameters 1 / PC speaker beep on errors and warnings

**BREAKMS**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	0 - 1000 <u>500</u>
<b>Object / Page / Option</b>	Session properties / Serial communication / Break signal time

**COMMPORT**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	1 - 4 <u>2</u>
<b>Object / Page / Option</b>	Session properties / Serial communication / COM port

**CURSOR**

<b>Affects</b>	System
<b>Value Type</b>	Integer
<b>Valid Values</b>	0 - 4 <u>1</u> (small)
<b>Object / Page / Option</b>	User properties / Parameters 1 / Cursor size

**DATABITS**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	7 and <u>8</u>
<b>Object / Page / Option</b>	Session properties / Serial communication / Data bits

**DATE**

<b>Affects</b>	System
<b>Value Type</b>	Date
<b>Valid Values</b>	All data formats available in the user properties <u>YMD.</u>
<b>Object / Page / Option</b>	User properties / Parameters 2 / Date style

**DISPLAY**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	Session properties / Procedure / Display all host screens while executing a procedure file

**EAB**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	Session properties / Display / Ignore extended attribute colors

**ECHO**

<b>Affects</b>	System
<b>Value Type</b>	Integer
<b>Valid Values</b>	0 - 100 <u>0</u> (no echo)
<b>Object / Page / Option</b>	Used to debug procedure files

**EOSDELAY**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	0 - 1000 (milliseconds) <u>6</u>
<b>Object / Page / Option</b>	Session properties / Telnet communication and Serial communication / End-of-screen delay

**INSTOGGLE**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	Session properties / Terminal / Enable insert mode toggling

**LOGOFF**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	Session properties / Procedure / Enable automatic logoff

**LOGON**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	Session properties / Procedure / Enable automatic logon

**LOOPCNT**

<b>Affects</b>	System
<b>Value Type</b>	Integer
<b>Valid Values</b>	0 - 32767 <u>256</u>
<b>Object / Page / Option</b>	User properties / Procedure / Limit loops in procedure files

**NATFILE**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	1-32, if work file 1-31, if printer file <u>7</u>
<b>Object / Page / Option</b>	Session properties / File transfer / Natural work file

**NCF**

<b>Affects</b>	System
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	User properties / Parameters 2 / Create format file

**NTCOFF**

<b>Affects</b>	Session
<b>Value Type</b>	Path
<b>Valid Values</b>	See description of value types
<b>Object / Page / Option</b>	Session properties / Procedure / Logoff procedure

**NTCON**

<b>Affects</b>	Session
<b>Value Type</b>	Path
<b>Valid Values</b>	See description of value types
<b>Object / Page / Option</b>	Session properties / Procedure / Logon procedure

**NUMLOCK**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	Session properties / Terminal / Allow alphanumeric input in numeric fields

**OEM**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	<u>OFF</u> /ON
<b>Object / Page / Option</b>	Session properties / File transfer / Use DOS character set for upload/download in NCD format

**PARITY**

<b>Affects</b>	Session
<b>Value Type</b>	Parity
<b>Valid Values</b>	EVEN, MARK, <u>NONE</u> , ODD, SPACE
<b>Object / Page / Option</b>	Session properties / Serial communication / Parity

**PCFILE**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	1-32, if work file 1-31, if printer file
<b>Object / Page / Option</b>	See the description of the SET command

**PRINTOPTION**

<b>Affects</b>	Session
<b>Value Type</b>	String
<b>Valid Values</b>	Size= <i>nn</i> Orient={P L} Duplex={S V H}
<b>Object / Page / Option</b>	See the description below.

With the PRINTOPTION variable, you can change the print settings for download to printer and for printing from a procedure file. You can change the size of the font, the page orientation and you can define whether to print on one or both sides of the paper.

**Note:**

The font used for printing is defined in the user properties.

The value is a string which may be composed of three elements:

Element	Description
Size= <i>nn</i>	Font size. <i>nn</i> is a number from 1 to 99.
Orient= <i>option</i>	Page orientation. Valid options are P (portrait) and L (landscape).
Duplex= <i>option</i>	Paper usage. Valid options are S (simplex), V (vertical) and H (horizontal).

The elements must be separated by one blank. There must be at least one element in the value string. The elements may be in any order.

Example - use font size 16, landscape, and vertical printing on both sides of the paper:

```
SET PRINTOPTION "Size=16 Orient=L Duplex=V"
```

To use the defaults (font size as selected in the user properties, portrait and printing on one side of the paper), you have to clear the current settings as follows:

```
SET PRINTOPTION ""
```

**REMOTEECHO**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	Session properties / Serial communication / Remote echo

**RESPONSE**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	1 - 1000 (1 - 1000 seconds) 1001 - 2440 (1 - 1440 minutes) <u>15</u> (seconds)  <b>Note:</b> These special internal representations for seconds and minutes are always used when a procedure file is executed (for example, with the command SET or WAIT). Any values for seconds or minutes that you specify using the Configuration Manager are automatically transformed to the above special internal representation.
<b>Object / Page / Option</b>	Session properties / Procedure / Maximum host response time



**STARTTASK**

<b>Affects</b>	System
<b>Value Type</b>	Task Name
<b>Valid Values</b>	Valid Entire Connection task name
<b>Object / Page / Option</b>	User properties / Parameters 2 / Startup task

**STATUS**

<b>Affects</b>	Session
<b>Value Type</b>	Binary
<b>Valid Values</b>	OFF/ <u>ON</u>
<b>Object / Page / Option</b>	Session properties / Procedure / Display status lines while executing a procedure file

**STOPBITS**

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	<u>1</u> or 2
<b>Object / Page / Option</b>	Session properties / Serial communication / Stop bits

**STOPTASK**

<b>Affects</b>	System
<b>Value Type</b>	Task Name
<b>Valid Values</b>	Valid Entire Connection task name
<b>Object / Page / Option</b>	User properties / Parameters 2 / Shutdown task

**TCPADDR**

<b>Affects</b>	Session
<b>Value Type</b>	String
<b>Valid Values</b>	TCP/IP address (no default)  A TCP/IP address can either be a string which is resolved in the host's table (up to 128 bytes), or it can be formed as follows:  <i>nnn.nnn.nnn.nnn</i>  where <i>nnn</i> is a number between 000 and 255.
<b>Object / Page / Option</b>	Session properties / TN3270 communication or Telnet VTxxx communication / Host name / IP address

## TCPPOINT

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	TCP/IP port ID <u>23</u>
<b>Object / Page / Option</b>	Session properties / TN3270 communication or Telnet VTxxx communication / Default TCP port or Custom TCP port

## TIME

<b>Affects</b>	System
<b>Value Type</b>	Time
<b>Valid Values</b>	All time formats available in the user properties <u>HMS:</u>
<b>Object / Page / Option</b>	User properties / Parameters 2 / Time style

## UPLPSIZE

<b>Affects</b>	Session
<b>Value Type</b>	Integer
<b>Valid Values</b>	<u>0</u> - 1000 (bytes)
<b>Object / Page / Option</b>	Session properties / VT100 communication / Upload packet size