EDOC225

Midas

TCL Support Library (common.tcl)

Edition 1.0

Dec 1995

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TCL Support Library

This document describes a Support Library (SL) of TCL procedures which provide general purpose facilities for a TCL application.

list manipulation procedures

procedures which return items from TCL lists

procedure **first**	*list-name*	returns 1st element from the list
procedure **second**	*list-name*	returns 2nd element from the list
procedure **third**	*list-name*	returns 3rd element from the list
procedure **fourth**	*list-name*	returns 4th element from the list
procedure **fifth**	*list-name*	returns 5th element from the list
procedure **sixth**	*list-name*	returns 6th element from the list
procedure **seventh**	*list-name*	returns 7th element from the list
procedure **eighth**	*list-name*	returns 8th element from the list
procedure **nineth**	*list-name*	returns 9th element from the list
procedure **tenth**	*list-name*	returns 10th element from the list
procedure **last**	*list-name*	returns last element from the list

procedure **head** *list-name* returns the 1st element from the list (i.e. identical to procedure **first**).
procedure **tail** *list-name* returns a list in which the 1st element has been removed from the list.
procedure **front** *list-name* returns a list in which the last element has been removed from the list.

procedure **self** *option*
option is one of
frame-name returns the global variable frame in the form of a TK window path name. This will thus be the path name of the master frame window.
frame-title returns the global variable frametitle or a null string if it has not been defined.
icon-title returns the global variable icontitle or a null string if it has not been defined.

graphical support procedures

procedure **set-footer** *[widget-name] text-string*
widget-name is an optional argument which should be the name of a frame **widget.** By default the master frame name is used.
text-string is written into the footer window of the frame widget.

procedure **clear-footer** *[widget-name]*
widget-name is an optional argument which should be the name of a frame **widget.** By default the master frame name is used.
The footer window of the frame widget is cleared (a null string is written into it).

The following procedures control frame **widgets**. They all have an optional argument which should be the name of a frame **widget**. By default the master frame is used.

procedure **open-frame** *[widget-name]*
The frame window is de-iconized (if it is currently iconized) and raised in the stacking order so that it is visible. The procedures **bring-to-front** and **show-frame** are aliases for **open-frame**.

procedure **close-frame** *[widget-name]*
The frame window is iconized. The procedure

procedure **destroy-frame** *[widget-name]*
The frame window is withdrawn from the screen (if it is currently displayed or iconized) and deleted.

The following procedures are used to report error conditions

procedure **display-midas-error-report** *proc-name error-number text*
proc-name is the name of a procedure which should be called with the argument *frame-name* to return the window which is to be used as the parent for the generated dialog window. Normally the procedure **self** is used.
error-number is the error code to be reported.
text is any further textual information to be added to the dialog window.

procedure **display-error-report** *proc-name text*
proc-name is the name of a procedure which should be called with the argument *frame-name* to return the window which is to be used as the parent for the generated dialog window. Normally the procedure **self** is used.
text is any further textual information to be added to the dialog window.

procedure **remove-error-report** *proc-name*
proc-name is the name of a procedure which should be called with the argument *frame-name* to return the window which is the parent of the dialog window. Normally the procedure **self** is used.
The dialog window is destroyed.