

Active Picture Manipulation Functions

Active picture manipulation functions

Functions are used for the active picture within the frame of which the script is implemented. Name of each function begins with the string **%HI_...** .

%HIX_ functions

Some %HI_ functions are also available in %HIX_ version. These functions are able to redirect the function executing to another picture (through the first two parameters).

Example: Function `%HI_ClosePicture()` is available in `%HIX_ClosePicture (IN HBJ_picHBJ, IN INT_KInstance)`. `%HI_ClosePicture` closes picture in which it has been called. `%HIX_ClosePicture` closes picture defined by HOBJ (internal object identifier) and instance. Meaning of HOBJ and instance is the same as it is in the case of [RPC CALL](#) (parameters *objIdent* and *instanceExpr*).

If function %HIX_ is applied, the ESL script must be implemented for picture (it must be [Active picture](#)).

Types of functions:

- [Active picture behaviour functions](#)
- [Functions for work with structures](#)
- [Popup menu manipulation functions](#)
- [HI menu manipulation functions](#)
- [Graph and Picture \(displayer\) manipulation functions](#)
- [Picture layers manipulation functions](#)
- [Picture history manipulation functions](#)
- [Other functions](#)

The list of functions used for the work with the active picture

Active picture behaviour functions:

- [%HI_CenterPicture](#)
- [%HI_ClosePicture, %HIX_ClosePicture](#)
- [%HI_EnableControls, %HIX_EnableControls](#)
- [%HI_EnableInOutVariables, %HIX_EnableInOutVariables](#)
- [%HI_EnablePicture, %HIX_EnablePicture](#)
- [%HI_GetBackColor](#)
- [%HI_GetBackColor2](#)
- [%HI_GetHistoryTime, %HIX_GetHistoryTime](#)
- [%HI_GetOwnerHBJ, %HIX_GetOwnerHBJ](#)
- [%HI_GetOwnerInstance, %HIX_GetOwnerInstance](#)
- [%HI_GetPaintEffects](#)
- [%HI_GetPictureConfigHeight, %HIX_GetPictureConfigHeight](#)
- [%HI_GetPictureConfigWidth, %HIX_GetPictureConfigWidth](#)
- [%HI_GetPictureScrollX, %HIX_GetPictureScrollX](#)
- [%HI_GetPictureScrollY, %HIX_GetPictureScrollY](#)
- [%HI_GetPictureScrollMaxX, %HIX_GetPictureScrollMaxX](#)
- [%HI_GetPictureScrollMaxY, %HIX_GetPictureScrollMaxY](#)
- [%HI_GetPicturePosX, %HIX_GetPicturePosX](#)
- [%HI_GetPicturePosY, %HIX_GetPicturePosY](#)
- [%HI_GetPictureSize, %HIX_GetPictureSize](#)
- [%HI_GetPictureWindowState](#)
- [%HI_GetPixelRGB](#)
- [%HI_GetSelfInstanceld](#)
- [%HI_HistoryEnd](#)
- [%HI_HistoryStart](#)
- [%HI_LockUpdate, %HIX_LockUpdate \(without _refId\)](#)
- [%HI_PicturePopupMenuEnable, %HIX_PicturePopupMenuEnable](#)
- [%HI_PrintWindow](#)
- [%HI_SetBackColor](#)
- [%HI_SetBackColor2](#)
- [%HI_SetCursorWait, %HIX_SetCursorWait](#)
- [%HI_SetDynamGraph](#)
- [%HI_SetHistoryTime](#)
- [%HI_SetLayoutManagement](#)
- [%HI_SetLocVarStText](#)
- [%HI_SetMinPictureSize, %HIX_SetMinPictureSize](#)
- [%HI_SetPaintEffects](#)
- [%HI_SetPictureDefaultButton](#)
- [%HI_SetPictureEscapeButton](#)

- %HI_SetPictureHelp, %HIX_SetPictureHelp
- %HI_SetPicturePos, %HIX_SetPicturePos
- %HI_SetPictureScroll, %HIX_SetPictureScroll
- %HI_SetPictureSize, %HIX_SetPictureSize
- %HI_SetPictureTitle, %HIX_SetPictureTitle
- %HI_SetPictureWindowState
- %HI_TimerEnable, %HIX_TimerEnable
- %HI_VisiblePicture, %HIX_VisiblePicture

Functions for work with structures, whose values are partially-distributed into the picture (optimization by means of *indexed local variable*). The partial distribution allows to reduce the set of updated rows (values of the rows) of structured variable and, in some cases, to reduce new values (sending according the alteration method).

- %HI_CloseRow
- %HI_From_Clipboard
- %HI_Get_Clipboard_Cols
- %HI_Get_Clipboard_Rows
- %HI_ChangeRow
- %HI_OpenRow
- %HI_To_Clipboard
- %HI_Value_To_Clipboard

Popup menu manipulation functions:

- %HI_PopUpMenu_AddItem
- %HI_PopUpMenu_Create
- %HI_PopUpMenu_Show

HI menu manipulation functions:

- %HI_Menu_AddItem
- %HI_Menu_AddObject
- %HI_Menu_ApplyChanges
- %HI_Menu_Create
- %HI_Menu_Delete
- %HI_Menu_DeleteItem
- %HI_Menu_DeleteObject
- %HI_Menu_EnableItem

Graph and Picture (displayer) manipulation functions:

- %HI_MouseWheelZoom, %HIX_MouseWheelZoom
- %HI_PrintGO
- %HI_SetEnableGraphButtons
- HI_SetEnableGraphButtons%HI_SetModeCtrl, %HIX_SetModeCtrl
- %HI_SetModeMove, %HIX_SetModeMove
- %HI_SetModeZoom, %HIX_SetModeZoom
- %HI_SetVisibleGraphControls
- HI_SetVisibleGraphControls
- HI_SetVisibleGraphControls%HI_ZoomOut

Picture layers manipulation functions:

- %HI_GetCurrLayer, %HIX_GetCurrLayer
- %HI_GetCurrZoomX, %HIX_GetCurrZoomX
- %HI_GetCurrZoomY, %HIX_GetCurrZoomY
- %HI_LayersParams, %HIX_LayersParams
- %HI_SetCurrLayer, %HIX_SetCurrLayer
- %HI_SetCurrLayerIgnoreZoom, %HIX_SetCurrLayerIgnoreZoom
- %HI_SetZoom, %HIX_SetZoom

Picture history manipulation functions:

- %HI_HistoryStart, %HIX_HistoryStart
- %HI_HistoryEnd, %HIX_HistoryEnd
- %HI_GetHistoryTime, %HIX_GetHistoryTime
- %HI_SetHistoryTime, %HIX_SetHistoryTime

Other functions:

- [%HI_Beep](#)
- [%HI_CaptureToFile](#)
- [%HI_CopySysColorPage](#)
- [%HI_EnableHI](#)
- [%HI_FileDialog](#)
- [%HI_GetConnectToKernelStatus](#)
- [%HI_GetHIHWND](#)
- [%HI_GetHiSizeX](#)
- [%HI_GetHiSizeY](#)
- [%HI_GetMonitorSizeX](#)
[HI_GetMonitorSizeX](#)
- [HI_GetMonitorSizeX%HI_GetMonitorSizeY](#)
[HI_GetMonitorSizeY](#)
- [HI_GetMonitorSizeY%HI_GetPalRGB](#)
- [%HI_GetUserObjName](#)
- [%HI_GetUserRFID](#)
- [%HI_LNG_GetCurrLngIdx](#)
- [%HI_LNG_Translate](#)
- [%HI_LogOut](#)
- [%HI_MAPI_SendMail](#)
- [%HI_NavHistoryGetInitialState](#)
- [%HI_NavHistoryPushState](#)
- [%HI_NavHistoryReplaceState](#)
- [%HI_OpenDynamGraph](#)
- [%HI_OpenLogDBByMask](#)
- [%HI_OpenLogDBForObject](#)
- [%HI_RemapBMP, %HIX_RemapBMP](#)
- [%HI_SelectDir](#)
- [%HI_SelectTimeDialog](#)
- [%HI_SetTitleHI](#)
- [%HI_ShowHelp](#)
- [%HI_To_String](#)

All functions are executed in picture in which they are called. E.g. calling the function *%HI_ClosePicture()* closes picture in which the calling has been done.



Related pages:

[Active picture - functions](#)