BC SAP Graphics: Programming Interfaces

The following Help Topics are available:

Introduction

The following topics each describe the function modules you can use to call a particular graphics program:

The SAP Business Graphics Function Modules

The SAP Hierarchy Function Modules

The SAP Pushbutton Graphics Function Modules

The SAP Statistics Function Modules

The SAP Gantt Chart Function Modules

The SAP HPGL Display Function Module

The SAP Text Matrix Function Module

The SAP Network Graphics Function Modules

The SAP Portfolio Graphics Function Module

The following sections deal with special function modules. These are the only function modules that call no graphics program at all. GRAPH_ACTION and GRAPH_DIALOG provide generalized programming capabilities. GRAPH_RECEIVE is a utility function module for dialog programming.

The GRAPH_ACTION Function Modules

The GRAPH_DIALOG Function Module

The GRAPH_RECEIVE Function Module

Dialog Programming

Sample Programs are provided for most applications. These programs demonstrate function module calls and the use of the dialog parameters. You can use these programs as models for programming your own graphics applications.

For Help on Help, Press F1

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ᴷIntroduction

SAP Graphics is a series of graphics programs that run on SAP workstations. These programs are listed in the following table.

SAP Graphics programs and what they are used for.

Graphics program name	Graphing capabilities
SAP Business Graphics	Diagrams, charts, etc
SAP Hierarchy	Hierarchical data
SAP Pushbutton Graphics	Pushbutton pads,
SAP Text Matrix	Text windows
SAP Statistics	Statistical data in curves
SAP Gantt Chart	Time planning information
SAP HPGL Display	Graphic data in HPGL format
SAP Network Graphics	Network graphs
SAP Portfolio Graphics	Comparative business trends

ABAP/4 programs running on an R/3 application server can start up these graphics programs on the frontend and send them data for display.

This guide describes the programming interface between the ABAP/4 program and graphics program. This interface consists of a set of graphics function modules: most call a particular graphics program, but a few perform general functions.

These function modules are listed in the following table, according to the graphics program each calls.

SAP Graphics programs and function modules

Graphics program	Function modules
SAP Business Graphics	GRAPH_2D
	GRAPH_3D
	GRAPH_MATRIX_2D
	GRAPH_MATRIX_3D
	GRAPH_MATRIX_4D
	GRAPH_MATRIX
	GRAPH_BUSG_MENU_SET
SAP Hierarchy	GRAPH_HIERARCHY
	GRAPH_HIERARCHY_MENUE
SAP Pushbutton Graphics	GRAPH_BUTTON_MATRIX
	GRAPH_BUTTON_MENUE
SAP Statistics	STAT_GRAPH
	STAT_GRAPH_REF
SAP Gantt Chart	GANTT_DIAGRAMM
	GRAPH_GANTT
SAP HPGL Display	GRAPH_HPGL

SAP Text Matrix	TEXT_MATRIX
SAP Network Graphics	CNET_GRAPHIC_HIERARCHY
	CNET_GRAPHIC_NETWORK
SAP Portfolio Graphics	GRAPH_PORT
(none)	GRAPH_ACTION
(none)	GRAPH_DIALOG
(none)	GRAPH_RECEIVE
(none)	GET_xxxx_PARAM

The graphics function modules call the relevant graphics program directly (for example GRAPH_MATRIX_4D). Other function modules perform utility functions and do not call a specific graphics program (GRAPH_ACTION, GRAPH_RECEIVE, and the GET_*xxxx*_PARAM modules). The distinction is important because the utility function modules interact closely with the functions modules that call a graphics program.

This section contains the following topics:

Programming Interactive Applications

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