

oberona

COLLABORATORS

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Chapter 1

oberona

1.1 GUIEnvironment/OberonA guide

GUIEnvironment

OberonA Guide

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```

Installation

The interface module

GUIEnvSupport

Guidelines

Changes

Examples

1.2 Installing GUIEnvironment for OberonA

To install GUIEnvironment for OberonA simply run the GE_OberonA-Install script !

This script does the following copy actions:

- interface modules (GUIEnv.mod and GUIEnvSupport.mod) are stored in the oberon-a:source/3rdparty drawer
- examples: oberon-a:Examples/GUIEnvironment

Using the script you now have the choice to compile the interface modules and after that you can compile and link the examples !

Don't forget to install GUIEnvironment at first !

1.3 The OberonA interface module

The OberonA interface module contains all constants, structures and functions explained in the documents.

The spelling of the constants is slightly different from the C declaration:

- OberonA uses different prefixes without underscore. For example instead of GEG_VarAddress a gegVarAddress is used.

1.4 GUIEnvSupport for OberonA

All functions and definitions are included in GUIEnvSupport as documented in GUIEnvSupport guide.

Appart from that the GUIEnvSupport module follows the same naming conventions as explained in the chapter about the interface module !

1.5 Guidelines

The interface modules offer access to the whole GUIEnvironment without any exception. So, see the documentation for more information.

But be careful with the callback hooks. As OberonA does not allow register parameters in any procedure directly, you have to write callback hooks which use the stack. As the callback hooks are called with registers you have to use the guiHookInterface tag with the data of the address of the HookUtil.HookEntry procedure !

This procedure pushes the registers on the stack and then calls your hook !

But remember to set the guiHookInterface tag BEFORE any other tag handling with hooks !

1.6 Changes

Now uses Kernel.SetCleanup instead of SYSTEM.SETCLEANUP.

1.7 Examples for OberonA

NotifyExample : Notification of gadtools gadgets & localizing gadgets
 gadget functions and menu functions

ResizingExample: Gadget description flags, font adaptiv

BOOPSIExample : Resizable BOOPSI gadgets, font adaptiv

GuideExample : Menu help function & localizing menus

RequesterExample: All requester kinds

1.8 rcs

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GUIEnvironment OberonA Guide

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