

Object REXX GTK+ Dialog Manager

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What is the Object REXX GTK+ Dialog Manager

- The Object REXX GTK+ Dialog Manager adds a GUI dialog management system to IBM's Object REXX.
- Currently the only supported operating system is Linux.
- The Dialog Manager consists of two parts:
 - An Object REXX class library
 - A set of REXX external functions
- The external function library is abstracted by the class library so the programmer only needs to interact with the class library.
- A minimal knowledge of the GTK+ libraries is helpful for using the class library but is not necessary in order to build simple dialogs.
- You can download the package here
<http://sourceforge.net/projects/gtkrxdlg/>

What is the Object REXX GTK+ Dialog Manager (cont.)

- The Advantages of using the Dialog Manager
 - Very easy to program
 - No resource DLL, all information about a dialog is contained within the REXX program.
 - Simplified interface to GUI programming.
 - A wide range of widgets are available.
 - GtkRxDlg is Open Source so if you want to change it, you can.
 - Execution speed is fast.
 - You can subclass the widget classes to add functionality.
 - No knowledge of the REXX external function library is necessary. All actions are performed against the OREXX class library.

Installation

- Requirements for installing the Object REXX GTK+ Dialog Manager
 - A Linux system (Windows is not supported)
 - Version 2.0 or higher of the GTK+ libraries
 - IBM Object REXX
- Installation Procedure
 - Download the tar file
 - Log on as root
 - Extract the tar file to the /opt subdirectory
 - Run the install.rex program

The GtkRxDlg Class Library

- The GtkRxDlg class library emulates the hierarchy of the GTK+ class library with some exceptions.
- All classes have the Object REXX Object class as their parent (the Object class is the parent for all other classes).
- The method names for each class correspond to one or more GTK+ function calls.
- Not all GTK+ objects are supported
- The entire GtkRxDlg class library is contained within the file `gtkrxdlg.cls`.
- With one exception, you should NOT call any of the REXX external functions directly as these may change in the future.

The GtkRxDlg Class Library (cont.)

Object

- +---GtkWidget
 - +---GtkContainer
 - +---GtkBox
 - +---GtkFrame
 - +---GtkHBox
 - +---GtkCombo
 - +---GtkVBox
 - +---GtkButton
 - +---GtkCheckbutton
 - +---GtkRadiobutton
 - +---GtkCList
 - +---GtkDialog
 - +---GtkScrolledWindow
 - +---GtkTextView
 - +---GtkEntry
 - +---GtkHSeparator
 - +---GtkImage
 - +---GtkLabel
 - +---GtkVSeparator

The GtkRxDlg Class Library (cont.)

Object

+---AtkObject

+---GtkFileDialog

+---GtkFontSelectionDialog

+---GtkMessageDialog