Object REXX GTK+ Dialog Manager

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Legal Information

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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
  +---GtkFileSelectionDialog
  +---GtkFontSelectionDialog
  +---GtkMessageDialog