

requester

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Chapter 1

requester

1.1 GUIEnvironment/Requester Guide

GUIEnvironment

Requester Guide

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```

Displaying requesters

Localizing requesters

ReqTools requesters

The requester kinds

The requester tags

1.2 Displaying requesters

Using the GUIRequest function, GUIEnvironment provides an easy ↔
interface

to a lot of requesters.

All this requester use the window of the GUI as reference window.

Using standard requesters

GUIEnvironment uses the intuition EasyRequest function for standard requesters.

<Not yet written - But this is very easy, see RKRMs>

Using asl requesters

GUIEnvironment offers an interface to the asl file and dir requester. The text parameter of GUIRequest contains the title of the window. For asl requesters you can use the following tags:

GER_NameBuffer

This is a pointer to a buffer, which will contain the complete filename after the user selection.

You can specify here a complete filename which will be displayed when the requester opens.

Keep this buffer big enough. A value of 512 bytes or even more is advised. GUIEnvironment doesn't check this size !

Don't use this tag together GER_DirBuffer or GER_FileBuffer.

GER_FileBuffer

Points to a buffer which will contain only the filename without the path.

Don't use this tag together with GER_NameBuffer.

GER_DirBuffer

Points to a buffer which will contain only the path without the filename. Don't use this tag together with GER_NameBuffer.

GER_Pattern

Pointer to a file pattern. If you don't want a file pattern gadget to be displayed set this tag data to NULL.

GER_Save

This boolean tag says if the requester is for saving something or not. The default is FALSE.

GUIEnvironment uses automatically a new IDCMP port for the requester. You can also define all tags (defined in AslD) for asl requesters. But notice, GUIRequest uses the following tags, which you should not use, use the requester tags instead:

ASLFR_Window, ASLFR_TitleText, ASLFR_InitialFile, ASLFR_InitialDrawer and ASLFR_InitialPattern.

Also the ASLFR_Flags1 and ASLFR_Flags2 tags. are used. If you need these tags, please notice that you have to specify again the FRF_DOPATTERNS, FRF_DOSAVEMODE, FRF_DRAWERONLY and FRF_PRIVATEIDCMP flags which are usually set by using the requester tags !

Don't use the GER_FileBuffer tag together with the GER_DirKind requester, because this requester is only for directories.

If you want to display a requester, where the user should choose the best shared library, you could do this:

To help the user choosing, you use the pattern '#?.library' and you make of course the suggestion of 'sys:libs/guienv.library'. But the silly user chooses 'sys:libs/asl.library' !

You have generally these two possibilities:

- First possibility :

```
char file[256], dir[256]; /* two different variables
                           one for the path and
                           one for the filename */
...

file = "guienv.library";
dir  = "sys:libs";

GUIRequest(GUIINFO, GER_FileKind, "Choose the best Library",
           GER_FileBuffer, &file,
           GER_DirBuffer, &dir,
           GER_Pattern, "'#?.library",
           NULL);
```

The result is :

```
file == "asl.library";
dir  == "sys:libs";
```

- Second possibility :

```
char buffer[512]; /* the full filename with the whole path */
...

name = "sys:libs/guienv.library";

GUIRequest(GUIINFO, GER_FileKind, "Choose the best library",
           GER_Pattern, "#?.library",
           GER_NameBuffer, &name, NULL);
```

The result is:

```
name == "sys:libs/asl.library";
```

In the current version it is NOT (yet) possible to use the multiselect function ! If you need this, please use the asl.library instead.

SEE ALSO

The requester kinds

The requester tags

1.3 Localizing requesters

By using the GER_LocaleID tag it is possible to localize even requesters. This tag gets the string number of the catalog file.

1.4 ReqTools (© Nico François) Requester

GUIEnvironment offers the possibility to use ReqTools requesters instead of intuition and asl ones.

These requesters can be handled in the same way as the "usual" GUIEnv requester explained before, e.g. you can use the same tags defined for GUIEnvironment and you can also specify all tags directly for ReqTools. But have in mind, that GUIEnvironment sets some of them for you (e.g the window, locale, text), so if you redefine them, you overwrite the settings of GUIEnvironment !

The next problem is the return value. If you use IDCMP messages to satisfy the requester, the return code of ReqTools differs from the one of the Intuition EasyRequest function !

This is usually no problem, if you know which function is used to display the requester, BUT if ReqTools is not available GUIEnvironment uses automatically the "old" ones instead, so there will always appear a requester ! So when checking the return code of IDCMP messages, you should first check, if ReqTools is available or not !

1.5 The requester kinds

GUIEnvironment provides the following predefined requesters:

GER_OKKind

This requester contains only one gadget with an OK text. It returns always GER_CANCEL.

GER_RTOKKind

Same as GER_OKKind, but uses ReqTools requester.

GER_DoItKind

This requester has two gadgets. One labeled YES and the other one labeled NO. Depending on the user input it returns GER_Cancel for NO or GER_Yes for YES.

GER_RTDoItKind

Same as GER_DoItKind, but uses ReqTools requester.

GER_YNCKind

This requester has three gadgets: YES, NO, CANCEL. It will return GER_Cancel for CANCEL, GER_Yes for YES and of course

GER_No for NO !

GER_RTYNCKind

Same as GER_YNCKind, but uses ReqTools requester.

GER_FileKind

This is the asl file requester. It returns GER_Cancel or GER_Yes.

GER_RTFileKind

Same as GER_FileKind, but uses ReqTools requester.

GER_DirKind

This is the asl dir requester. It returns GER_Cancel or GER_Yes.

GER_RTDirKind

Same as GER_DirKind, but uses ReqTools requester.

With this predefined requesters you don't have to use the GER_Gadgets tag, but you can use it e.g. to display the text in a different language.

For a total different custom requester use:

GER_GeneralKind

For this requester the intuition EasyRequestArgs function is used. With the requester tags you can reach every field of the EasyStruct structure !

GER_RTKind

This requester is build using ReqTools, you can define all tags from both, GUIEnvironment and ReqTools to define the requester.

SEE ALSO

The requester tags

The ReqTools Requesters

1.6 The requester tags

GER_Gadgets

Pointer to gadgets' texts which are separated by '|'. This pointer is only required for your own requester kind or to localize the requester. Don't use this tag with asl requesters.

GER_Args

Pointer to an array of argument pointers if required. Don't use this tag with asl requesters.

GER_Flags

Currently unused ! So don't use it either !

GER_Title

Pointer to the title string. Usually this pointer is NULL, so the requester gets the title of the reference window. Don't use this tag with asl requesters !

GER_IDCMP

Pointer to set of IDCMP flags. If you are specifying this, the requester will disappear if one of these events occur. Then the requester function will return -1 and then the IDCMP flag set will contain the event !
Don't use this tag with asl requesters !

GER_Pattern

A pointer to a pattern. Use this only with asl requesters !

GER_NameBuffer

Pointer to a buffer to save the full file name. Use this tag only with asl requesters. But don't use it together with GER_FileBuffer or GER_DirBuffer

GER_FileBuffer

Pointer to a buffer to save only the file name. Don't use this tag together with GER_NameBuffer, but it is advised to use GER_DirBuffer together with it. Use this tag only for asl requesters.

GER_DirBuffer

Pointer to a buffer to save only the path. Don't use this tag together with GER_NameBuffer, but it is advised to use GER_FileBuffer together with it. Use this tag only for asl requesters.

GER_Save

Only for asl requesters. Indicates if this is a save requester or not.

GER_LocaleID

String number in the catalog file for localization.

1.7 rcs

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GUIEnvironment Requester Guide

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