extrdargs.doc

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REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

extrdargs.doc

1.1 extrdargs.doc

```
--background--

ExtFreeArgs()

ExtReadArgs()
```

1.2 ExtReadArgs/--background--

```
                PURPOSE
    This is a CLI/Workbench transparent argument interface. I don't liked
    the way of parsing ToolTypes and used only the ReadArgs() function.
    Thus all my tools can only be invoked from the CLI/Shell . Thats the
    reason for building this project !

FUNCTION

            ExtReadArgs()
             copies all Workbench arguments in a single string and
    passes this string to the ReadArgs() function. All WBArg structure
    are expanded to their full filenames , enclosed in '"' and passed to
    the item specified via the erda_FileParameter field. Then all Tool-
    types are strcat()'ed into one line, thus ReadArgs() can handle it.
    To handle each Tooltype correctly the argument is enclosed in '"' !

NOTE
    There are some special feature according to the ReadArgs() function.
    If you have a template like "FROM/M/A,TO/A", you can select these
    files from workbench : Select the program, then the FROM files and
    finally select and double click th TO file. This is available,because
    ReadArgs() grab's the last string from a MultiArg FROM and uses it
    as the TO parameter, if no is explicitly given !

INSPIRATION
    I get the main idea, how I implement the Workbench ReadArgs()
```

```
    interface from the author of ARoach Stefan Winterstein. Thanks for
    this idea of parsing ToolTypes !
```

1.3 ExtReadArgs/ExtFreeArgs()

```
                NAME
    ExtFreeArgs - free's all allocated resources from
            ExtReadArgs()
                SYNOPSIS
    ExtFreeArgs(extrdargs);

    void ExtFreeArgs(struct ExtRDArgs *);

FUNCTION
    free's all allocated resources from a previously call to

            ExtReadArgs()
            .

INPUTS
    extrdargs (struct ExtRDArgs *) - same pointer, which was passed
        to
            ExtReadArgs()
                RESULTS
    none

SEE ALSO

            ExtReadArgs()
```

1.4 ExtReadArgs/ExtReadArgs()

```
                NAME
    ExtReadArgs - CLI/Workbench transparent ReadArgs() function

SYNOPSIS
    error = ExtReadArgs(ac,av,extrdargs);

    LONG ExtReadArgs(LONG ,STRPTR *,struct ExtRDArgs *);

FUNCTION
    this function is a CLI/Workbench transparent interface to ReadArgs().
    It uses the argcount and argvector like SASC from the main entry
    point, to get the initial startup parameter. If ac is zero, so the
    program is invoked from workbench and the av variable contains the
    WBStartup structure ! Before you can call this function, you must set
    up the library bases for dos.library and icon.library. Normally the
    SASC autoinitialization code does this for you !
    If all went right you get a return value of zero. This means the
```

```
    passed arguments fits the template and are ready to use. Otherwise
    you get a IoErr() like return code. You can pass this return value
    directly to PrintFault() or something like that !

    NOTE : You must call the
           ExtFreeArgs()
            function to clean up, even
          this function fails (see EXAMPLE) !!!

INPUTS
    ac (LONG) - parameter normally get from main()
    av (STRPTR *) - parameter normally get from main()
    extrdargs (struct ExtRDArgs *) - structure , which hold any
        information used by ExtReadArgs()

    structure fields to setup before calling ExtReadArgs() :

        erda_Template - the really ReadArgs() template
        erda_Parameter - ReadArgs() LONG WORD array to hold the arguments
        erda_FileParameter - number of Argument in the template to use
            for the files passed via WBStartup->sm_ArgList or -1, that
            means you don't want any files
        erda_Window - window description string to open, if the program
            is started from the workbench or NULL for no window ! If
            in the ToolType Array exists a WINDOW description this is
            used
            instead of the parameter of the ExtRDArgs structure !
        erda_RDArgs - RDArgs structure to use for ReadArgs() call, thus
            you can use extended help !
        erda_Buffer - pointer to a buffer to use for the Workbench
        startup
            or NULL, that means ExtReadArgs() allocates a buffer for you
        erda_BufferSize - if you provided a buffer, here is the length of
            it. If not this is the length you would have ! This length is
            checked against a minimum of ERDA_MIN_BUFFER_SIZE !

RESULTS
    zero for success, otherwise an IoErr() like error code.

    If the function successes you can check the erda_Flags field for the
    FRDAF_WORKBENCH flag, if you want to known from where the program was
    started

EXAMPLE
    /* In this example the dos.library and icon.library must be open
     * from autoinitialization code
     */
    LONG main(LONG ac,STRPTR *av)
    {
       struct ExtRDArgs eargs = {NULL};
       LONG para[2];
       LONG error;

       eargs.erda_Template      = "FILES/M/A,VERBOSE";
       eargs.erda_Parameter     = para;
       eargs.erda_FileParameter = 0;
       eargs.erda_Window        = "CON:////My WB-Window/CLOSE/WAIT";
```

```
        if((error = ExtReadArgs(ac,av,&eargs)) == 0)
        {
           /* do something */
        } else
           PrintFault(error,"MyProgram");

             ExtFreeArgs
             (&eargs);

        return((error == 0) ? RETURN_OK : RETURN_FAIL);
    }

SEE ALSO

             ExtFreeArgs()
             , dos.library/ReadArgs(),
    icon.library/GetDiskObjectNew()
```