

misc

COLLABORATORS

	<i>TITLE :</i> misc		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

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Chapter 1

misc

1.1 misc.doc

```
AllocMiscResource()  
FreeMiscResource()
```

1.2 misc.resource/AllocMiscResource

NAME

AllocMiscResource - allocate one of the miscellaneous resources

SYNOPSIS

```
CurrentUser = AllocMiscResource( unitNum, name )  
D0          D0    A1
```

```
char * AllocMiscResource(ULONG, char *);
```

FUNCTION

This routine attempts to allocate one of the miscellaneous resources. If the resource had already been allocated, an error is returned. If you do get it, your name is associated with the resource (so a user can see who has it allocated).

This function may not be called from interrupt code

DESCRIPTION

There are certain parts of the hardware that a multitasking- friendly program may need to take over. The serial port is a good example. By grabbing the misc.resource for the serial port, the caller would "own" the hardware registers associated with that function. Nobody else, including the system serial driver, is allowed to interfere.

Resources are called in exactly the same manner as libraries. From assembly language, A6 must equal the resource base. The offsets for the function are listed in the resources/misc.i include file (MR_ALLOCMISCRESOURCE for this function).

INPUTS

unitNum - the number of the resource you want to allocate
(eg. MR_SERIALBITS).
name - a mnemonic name that will help the user figure out
what piece of software is hogging a resource.
(havoc breaks out if a name of null is passed in...)

RESULTS

CurrentUser - if the resource is busy, then the name of
the current user is returned. If the resource is
free, then null is returned.

BUGS

SEE ALSO

resources/misc.i, FreeMiscResource()

1.3 misc.resource/FreeMiscResource

NAME

FreeMiscResource - make a resource available for reallocation

SYNOPSIS

```
FreeMiscResource( unitNum )  
    D0
```

```
void FreeMiscResource(ULONG);
```

FUNCTION

This routine frees one of the resources allocated
by AllocMiscResource. The resource is made available
for reuse.

FreeMiscResource must be called from the same task that
called AllocMiscResource. This function may not be called from
interrupt code.

INPUTS

unitNum - the number of the miscellaneous resource to be freed.

RESULTS

Frees the appropriate resource.

BUGS

SEE ALSO

resources/misc.i, AllocMiscResource()
