THE SIZE EDITOR

INTRODUCTION

This chapter explains how to use Resorcerer's Size Editor, which lets you create and edit Macintosh application 'SIZE' resources. 'SIZE' resources are used by the Mac system to help manage memory better when your application is launched. When you select an application in a Finder folder window, and choose the Finder's **Get Info** command, the Finder reads and displays some of the information from the file's 'SIZE' resource.

The 'SIZE' resource also specifies the degree to which the application is compatible with various System features.

As always, if you are not already familiar with general resource editing, you may want to read the "Editing Resources" chapter earlier in this manual.
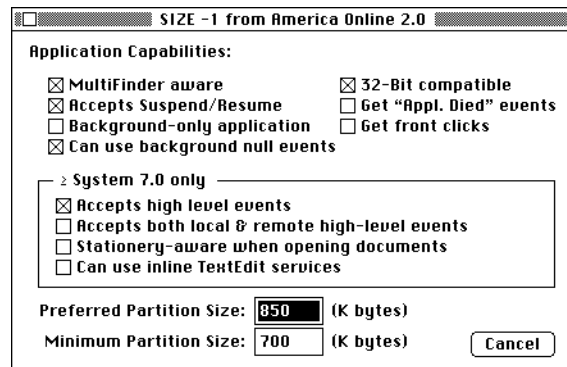
TOPICS COVERED

- Creating a new 'SIZE' resource
- Editing an existing 'SIZE' resource
- Decompiling a 'SIZE' resource
- Closing the 'SIZE' resource

CREATING A NEW 'SIZE' RESOURCE

If you are viewing resources in Resorcerer's File Window, or if you are already viewing a 'SIZE' resource, choose **New Resource** from the **Resource** menu.

Resorcerer should assign to a new 'SIZE' resource a resource ID of -1. If it does not, then you either already have 'SIZE' resource with this ID, or your favorite resource ID list in the **Preferences...** dialog does not have an entry associating the 'SIZE' resource type with the initial ID of -1 (which it should — see the "Preferences" chapter later in the manual for more on setting up your favorite IDs).

A new 'SIZE' resource is created with default values for its various fields. Once created, it is added to your current file, and opened for editing.

EDITING AN EXISTING 'SIZE' RESOURCE

Select the 'SIZE' resource you want to open in the Resources List of your File Window, and click in the **Open** button. Or double-click on the resource entry directly.

The Size Editor opens a dialog window that displays the various fields of the resource. These fields consist of

- a set of checkboxes that declare what system capabilities the application supports;
- the recommended partition size the application should have;
- the minimum memory size that the application must have to run.

The checkboxes correspond to the bits in a single word of data in the resource. They are more fully documented in Apple's *Inside Macintosh: Processes*.

MultiFinder Aware

When this bit is set, it indicates that the application knows about MultiFinder (e.g. it calls WaitNextEvent(), etc.), and takes responsibility for activating and deactivating its windows when the application is switched in or out of the foreground. If this bit is set, the **Accepts Suspend/Resume** bit should be also.

Accepts Suspend/Resume

Set this bit if the application explicitly deals with suspend or resume events.

Background-Only Application

This bit indicates that the application has no user interface (windows or other screen activity), and can only be run in the background.

Can Use Background Null Events

This bit indicates that the application wants to receive null events while it is in the background.

32-Bit Compatible

This bit indicates that the application conforms to all 32-bit clean rules and regulations. Newer Mac systems may use this bit to warn the user about possible crashes if a non-32-bit compatible application is launched on a 32-bit system, such as A/UX.

Get "Application Died" Events

This bit tells the system to inform the application when any application it has programmatically launched terminates.

Get Front Clicks

This bit tells the system to pass along a mouse click on a background application window af ter the application has been made active.

Accepts High Level Events

This bit indicates that the application is AppleEvent-aware if running under System 7.0 or greater.

Accepts both local and remote high-level events

This bit says that the application will allow itself to respond to AppleEvents over a network. This bit is only applicable under System 7.0 or greater.

Stationery-aware when opening documents

When set, this bit indicates that the application knows how to determine that a particular document is a stationery-type document. This bit is only applicable under System 7.0 or greater.

Can use in-line TextEdit services

Set this bit only if your application can accept certain foreign language typed input directly without the use of special floating palettes or other backwardly compatible aids. This bit is only applicable under System 7.0 or greater.

DECOMPILING A 'SIZE' RESOURCE

To decompile your 'SIZE' resource, make sure no text is selected, and then choose **Copy** from the **Edit** menu. The decompiled Rez source code for the resource is placed into the Mac clipboard as text for you to **Paste** into your source file.

CLOSING A 'SIZE' RESOURCE

When you're done editing, click in the Version Editor dialog's GoAway box to close the resource.

If you want to throw away any changes you've made since opening the resource, click in the dialog's **Cancel** button.