

ALLOCATE: Allocate File Extent

The ALLOCATE function may be used to allocate an address converter, Data Storage, normal or upper index extent of a specific size. Only one extent may be allocated per ADADBS execution.

```
ADADBS ALLOCATE FILE = file-number
                 { ACSIZE | DSSIZE | NISIZE | UISIZE } = size
                 [DEVICE = device-type | ADARUN-device ]
                 [NOUSERABEND]
                 [PASSWORD = 'password' ]
                 [STARTRABN = start-rabn ]
                 [TEST]
```

This chapter covers the following topics:

- Essential Parameters
- Optional Parameters
- Example

Essential Parameters

FILE: File for Which an Extent Is Allocated

FILE specifies the number of the file for which the extent is to be allocated.

ACSIZE | DSSIZE | NISIZE | UISIZE: Extent Type and Size

These parameters are used to indicate the type and size of the extent to be allocated. One and only one extent type and size can be specified in a single ADADBS ALLOCATE statement. The specified value can be either cylinders or blocks; a size in blocks must be followed by "B" (for example, 2000B).

Note:

Adabas will detect if an attempt is made to allocate the Address Converter size (ACSIZE) beyond the database setting for MAXISN. If this occurs, Adabas will only allocate the ACSIZE up to the MAXISN size.

Optional Parameters

DEVICE: Device Type

The device type to be used for file allocation. This parameter is required only if a different device type from the device type specified by the ADARUN DEVICE parameter is to be used.

NOUSERABEND: Termination Without Abend

When an error is encountered while the function is running, the utility prints an error message and terminates with user abend 34 (with a dump) or user abend 35 (without a dump).

If NOUSERABEND is specified, the utility will *not* abend after printing the error message. Instead, the message "utility TERMINATED DUE TO ERROR CONDITION" is displayed and the utility terminates with condition code 20.

PASSWORD: File Password

The password of the file. This parameter is required if the file is password-protected.

STARTRABN: Starting RABN for Extent

The beginning RABN of the extent to be allocated. If this parameter is omitted, ADADBS will assign the starting RABN.

TEST: Test Syntax

The TEST parameter tests the operation syntax without actually performing the operation. Only the syntax of the specified parameters can be tested; not the validity of values and variables. See Syntax Checking with the TEST Parameter for more information on using the TEST parameter in ADADBS functions.

Example

An address converter extent of 30 blocks is to be allocated for file 15.

```
ADADBS ALLOCATE FILE=15,ACSIZE=30B
```