AR(I)

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NAME

ar - archive and library maintainer

SYNOPSIS

ar key [posname] afile [name ...]

DESCRIPTION

Ar maintains groups of files combined into a single archive file. Its main use is to create and update library files as used by the loader. It can be used, though, for any similar purpose.

Key is one character from the command set **drtlpmx** optionally concatenated with characters from the option set **vunab**. Afile is the archive file. The *names* are constituent files in the archive file. The *posname* is the name of a file in the archive; it is required if and only if one of the options **a** or **b** is used in the key. The meanings of the key characters are:

- **d** Delete the named files from the archive file.
- **r** Replace or add the named files. New files are placed at the end of the archive unless the **a** or **b** option is used. Existing files are replaced in their current position and **a** or **b** have no effect.
- t Print a table of contents of the archive file. If no names are given, all files in the archive are tabled.
- List the contents of the archive in long mode, giving mode, owner, size in bytes and time of last modification for each file. If no names are given, all files are listed.
- **p** Print the named files in the archive.
- **m** Move the named files to the end of the archive or as specified by the **a** or **b** option.
- x Extract the named files. If no names are given, all files in the archive are extracted. If the optional character **u** is used with **x**, only those files with a modified date earlier than the dates of the respective files within the archive will be replaced by extracted files.
- v Verbose; under the verbose option, *ar* gives additional information while working:
 - **d**,**r**,**m** gives log of changes to archive. *
 - x logs files extracted.

m

- t,l changes t command into l command.
- **p** prints name of file before printing file.
- **u** Update; under the update option *ar*, in replacing or extracting, will only over-write an older version of a file, if versions exist both within and without the archive (see **r** and **x** command descriptions).

If **u** is part of a key with no command character, **r** is included as the command.

- **n** Interactive; under the interactive option, *ar* requests information from the standard input before modifying the archive.
 - **r** before creating the archive, *ar* prints:

? - afile?

Reply 'y' to create the archive; any other response and ar will abort.

before modifying the archive, *ar* prints:

n - filename?

Reply with a new name to rename the file; an illegal filename or just a

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return will retain the old name.

before deleting any file, *ar* prints: *d - filename*?

Reply 'y' to delete the file; any other reply and the file will be kept.

a,b rearranges files in the archive file, placing them after or before the file designated as *posname*. These options require that *posname* follow the key.

FILES

/tmp/vtm? temporary

SEE ALSO

ld (I), archive (V)

d

BUGS

If the same file is mentioned twice in an argument list, it may be put in the archive twice. The options \mathbf{a} and \mathbf{b} should work with \mathbf{r} when the file already exists in the archive.