## NAME

ddb - configure DDB kernel debugger properties

## SYNOPSIS

ddb capture [-M -core] [-N -system] print ddb capture [-M -core] [-N -system] status ddb script scriptname ddb script scriptname=script ddb scripts ddb unscript scriptname ddb pathname

# DESCRIPTION

The **ddb** utility configures certain aspects of the ddb(4) kernel debugger from user space that are not configured at compile-time or easily via sysctl(8) MIB entries.

To ease configuration, commands can be put in a file which is processed using **ddb** as shown in the last synopsis line. An absolute *pathname* must be used. The file will be read line by line and applied as arguments to the **ddb** utility. Whitespace at the beginning of lines will be ignored as will lines where the first non-whitespace character is '#'.

# **OUTPUT CAPTURE**

The **ddb** utility can be used to extract the contents of the ddb(4) output capture buffer of the current live kernel, or from the crash dump of a kernel on disk. The following debugger commands are available from the command line:

capture [-M core] [-N system] print

Print the current contents of the ddb(4) output capture buffer.

# capture [-M core] [-N system] status

Print the current status of the ddb(4) output capture buffer.

# SCRIPTING

The **ddb** utility can be used to configure aspects of ddb(4) scripting from user space; scripting support is described in more detail in ddb(4). Each of the debugger commands is available from the command line:

#### script scriptname

Print the script named scriptname.

#### script scriptname=script

Define a script named *scriptname*. As many scripts contain characters interpreted in special ways by the shell, it is advisable to enclose *script* in quotes.

#### scripts

List currently defined scripts.

unscript scriptname

Delete the script named *scriptname*.

## EXIT STATUS

The **ddb** utility exits 0 on success, and >0 if an error occurs.

## EXAMPLES

The following example defines a script that will execute when the kernel debugger is entered as a result of a break signal:

ddb script kdb.enter.break="show pcpu; bt"

The following example will delete the script:

ddb unscript kdb.enter.break

For further examples, see the ddb(4) and textdump(4) manual pages.

# SEE ALSO

ddb(4), mac\_ddb(4), textdump(4), sysctl(8)

### HISTORY

The **ddb** utility first appeared in FreeBSD 7.1.

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### BUGS

Ideally, ddb would not exist, as all pertinent aspects of ddb(4) could be configured directly via sysctl(8).