

# Natural in Batch Mode under CMS

This document contains special considerations that refer to Natural in batch mode under the operating system CMS.

- Running Natural in Batch Mode under CMS

For considerations that refer to Natural in batch mode generally, see:

- *Adabas Datasets*
  - *Sort Datasets*
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## Running Natural in Batch Mode under CMS

If you invoke Natural with the dynamic parameter `BATCH`, batch mode is entered.

Natural does not communicate with the terminal, but takes its input from the dataset whose DD name is `CMSYNIN` and sends its output to the dataset whose DD name is `CMPRINT`. These datasets are described below.

`FILEDEF` commands for these DD names must be issued before invoking Natural in batch mode.

If `BATCH` is specified in combination with other dynamic parameters, `BATCH` must be the first parameter as shown in the example below:

```
FILEDEF CMPRINT PRINTER
FILEDEF CMSYNIN DISK BATCH INPUT A
NATvr BATCH, FNAT=(10,13), FUSER=(132,12)
```

In this example, `vr` stands for the current version and release number.

For more examples, see `NATBATCH EXEC` and `NATINPL EXEC`.

### CMPRINT - Primary Report Output

`CMPRINT` is used for the primary output report resulting from `DISPLAY`, `PRINT` and `WRITE` statements in a Natural program.

### CMSYNIN - Primary Input

`CMSYNIN` is used for the primary input file that contains Natural commands, Natural source programs, and (optionally) data to be read by `INPUT` statements during the execution of Natural programs.

The number of characters actually processed per line is determined by the current setting of the profile parameter `SL`. This setting applies for both source statement and execution time input data. This enables identification or sequence numbers to be placed in the rightmost columns of every record if desired.