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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'fg.1p' command***

**\$ man fg.1p**

FG(1P) POSIX Programmer's Manual FG(1P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

fg ? run jobs in the foreground

### SYNOPSIS

fg [job\_id]

### DESCRIPTION

If job control is enabled (see the description of set -m), the fg utility shall move a background job from the current environment (see Section 2.12, Shell Execution Environment) into the foreground. Using fg to place a job into the foreground shall remove its process ID from the list of those ``known in the current shell execution environment"; see Section 2.9.3.1, Examples.

### OPTIONS

None.

### OPERANDS

The following operand shall be supported:

job\_id Specify the job to be run as a foreground job. If no job\_id operand is given, the job\_id for the job that was most recently

cently suspended, placed in the background, or run as a background job shall be used. The format of `job_id` is described in the Base Definitions volume of POSIX.1?2017, Section 3.204, Job Control Job ID.

## STDIN

Not used.

## INPUT FILES

None.

## ENVIRONMENT VARIABLES

The following environment variables shall affect the execution of `fg`:

**LANG** Provide a default value for the internationalization variables that are unset or null. (See the Base Definitions volume of POSIX.1?2017, Section 8.2, Internationalization Variables for the precedence of internationalization variables used to determine the values of locale categories.)

**LC\_ALL** If set to a non-empty string value, override the values of all the other internationalization variables.

**LC\_CTYPE** Determine the locale for the interpretation of sequences of bytes of text data as characters (for example, single-byte as opposed to multi-byte characters in arguments).

### LC\_MESSAGES

Determine the locale that should be used to affect the format and contents of diagnostic messages written to standard error.

**NLSPATH** Determine the location of message catalogs for the processing of `LC_MESSAGES`.

## ASYNCHRONOUS EVENTS

Default.

## STDOUT

The `fg` utility shall write the command line of the job to standard output in the following format:

```
"%s\n", <command>
```

## STDERR

The standard error shall be used only for diagnostic messages.

## OUTPUT FILES

None.

## EXTENDED DESCRIPTION

None.

## EXIT STATUS

The following exit values shall be returned:

0 Successful completion.

>0 An error occurred.

## CONSEQUENCES OF ERRORS

If job control is disabled, the fg utility shall exit with an error and no job shall be placed in the foreground.

The following sections are informative.

## APPLICATION USAGE

The fg utility does not work as expected when it is operating in its own utility execution environment because that environment has no applicable jobs to manipulate. See the APPLICATION USAGE section for bg.

For this reason, fg is generally implemented as a shell regular builtin.

## EXAMPLES

None.

## RATIONALE

The extensions to the shell specified in this volume of POSIX.1-2017 have mostly been based on features provided by the KornShell. The job control features provided by bg, fg, and jobs are also based on the KornShell. The standard developers examined the characteristics of the C shell versions of these utilities and found that differences exist. Despite widespread use of the C shell, the KornShell versions were selected for this volume of POSIX.1-2017 to maintain a degree of uniformity with the rest of the KornShell features selected (such as the very popular command line editing features).

## FUTURE DIRECTIONS

None.

## SEE ALSO

Section 2.9.3.1, Examples, Section 2.12, Shell Execution Environment,  
bg, kill, jobs, wait

The Base Definitions volume of POSIX.1-2017, Section 3.204, Job Control  
Job ID, Chapter 8, Environment Variables

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FG(1P)