



Linux Ubuntu 26.04 Manual Pages on command 'ipptool.1'

\$ man ipptool.1

ipptool(1) OpenPrinting ipptool(1)

NAME

ipptool - perform internet printing protocol requests

SYNOPSIS

```
ipptool [ --help ] [ --ippserver filename ] [ --stop-after-include-error ] [ --version ] [
-4 ] [ -6 ] [ -C ] [ -E ] [ -I ] [ -L ] [ -P filename.plist ] [ -S ] [ -T seconds ] [ -V
version ] [ -X ] [ -c ] [ -d name=value ] [ -f filename ] [ -h ] [ -i seconds ] [ -j ] [ -n
repeat-count ] [ -q ] [ -t ] [ -v ] printer-uri testfile [ ... testfile ]
```

DESCRIPTION

ipptool sends IPP requests to the specified printer-uri and tests and/or displays the results. Each named testfile defines one or more requests, including the expected response status, attributes, and values. Output is either a plain text, formatted text, CSV, or XML report on the standard output, with a non-zero exit status indicating that one or more tests have failed. The testfile format is described in ipptoolfile(5).

OPTIONS

The following options are recognized by ipptool:

--help

Shows program help.

--ippserver filename

Specifies that the test results should be written to the named ippserver attributes file.

--stop-after-include-error

Tells ipptool to stop if an error occurs in an included file. Normally ipptool will

continue with subsequent tests after the INCLUDE directive.

--version

Shows the version of ipptool being used.

-4 Specifies that ipptool must connect to the printer or server using IPv4.

-6 Specifies that ipptool must connect to the printer or server using IPv6.

-C Specifies that requests should be sent using the HTTP/1.1 "Transfer-Encoding: chunked" header, which is required for conformance by all versions of IPP. The default is to use "Transfer-Encoding: chunked" for requests with attached files and "Content-Length:" for requests without attached files.

-E Forces TLS encryption when connecting to the server using the HTTP "Upgrade" header.

-I Specifies that ipptool will continue past errors.

-L Specifies that requests should be sent using the HTTP/1.0 "Content-Length:" header, which is required for conformance by all versions of IPP. The default is to use "Transfer-Encoding: chunked" for requests with attached files and "Content-Length:" for requests without attached files.

-P filename.plist

Specifies that the test results should be written to the named XML (Apple plist) file in addition to the regular test report (-t). This option is incompatible with the -i (interval) and -n (repeat-count) options.

-S Forces (dedicated) TLS encryption when connecting to the server.

-T seconds

Specifies a timeout for IPP requests in seconds.

-V version

Specifies the default IPP version to use: 1.0, 1.1, 2.0, 2.1, or 2.2. If not specified, version 1.1 is used.

-X Specifies that XML (Apple plist) output is desired instead of the plain text report.

This option is incompatible with the -i (interval) and -n (repeat-count) options.

-c Specifies that CSV (comma-separated values) output is desired instead of the plain text output.

-d name=value

Defines the named variable.

-f filename

Defines the default request filename for tests.

-h Validate HTTP response headers.

-i seconds

Specifies that the (last) testfile should be repeated at the specified interval. This option is incompatible with the -X (XML plist output) option.

-j Specifies that ipptool will produce JSON output.

-l Specifies that plain text output is desired.

-n repeat-count

Specifies that the (last) testfile should be repeated the specified number of times.

This option is incompatible with the -X (XML plist output) option.

-q Be quiet and produce no output.

-t Specifies that CUPS test report output is desired instead of the plain text output.

-v Specifies that all request and response attributes should be output in CUPS test mode (-t). This is the default for XML output.

EXIT STATUS

The ipptool program returns 0 if all tests were successful and 1 otherwise.

FILES

The following standard files are available:

color.jpg

create-printer-subscription.test

document-a4.pdf

document-a4.ps

document-letter.pdf

document-letter.ps

get-completed-jobs.test

get-jobs.test

get-notifications.test

get-printer-attributes.test

get-subscriptions.test

gray.jpg

ipp-1.1.test

ipp-2.0.test

ipp-2.1.test

ipp-2.2.test

ipp-everywhere.test

onepage-a4.pdf

onepage-a4.ps

onepage-letter.pdf

onepage-letter.ps

print-job.test

print-job-deflate.test

print-job-gzip.test

testfile.jpg

testfile.pcl

testfile.pdf

testfile.ps

testfile.txt

validate-job.test

CONFORMING TO

The `ipptool` program is unique to CUPS and conforms to the Internet Printing Protocol up to version 2.2.

EXAMPLES

Get a list of completed jobs for "myprinter":

```
ipptool ipp://localhost/printers/myprinter get-completed-jobs.test
```

Send email notifications to "user@example.com" when "myprinter" changes:

```
ipptool -d recipient=mailto:user@example.com \  
ipp://localhost/printers/myprinter create-printer-subscription.test
```

SEE ALSO

`ipptoolfile(5)`, IANA IPP Registry (<https://www.iana.org/assignments/ipp-registrations>), PWG Internet Printing Protocol Workgroup (<https://www.pwg.org/ipp>) RFC 8011 (<https://data?tracker.ietf.org/doc/html/rfc8011>),

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CUPS

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