



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ipptool.1' command

\$ man ipptool.1

ipptool(1) Apple Inc. ipptool(1)

NAME

ipptool - perform internet printing protocol requests

SYNOPSIS

```
ipptool [ --help ] [ --ippserver filename ] [ --stop-after-include-er?
ror ] [ --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 ] [ -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 iptool to stop if an error occurs in an included file. Normally iptool will continue with subsequent tests after the INCLUDE directive.

--version

Shows the version of iptool being used.

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

-6 Specifies that iptool 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 iptool 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.

-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 `ippool` 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":

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

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

```
ippool -d recipient=mailto:user@example.com \
```

```
ipp://localhost/printers/myprinter create-printer-subscription.test
```

SEE ALSO

ippoolfile(5), IANA IPP Registry (<http://www.iana.org/assign?ments/ipp-registrations>), PWG Internet Printing Protocol Workgroup (<http://www.pwg.org/ipp>) RFC 8011 (<http://tools.ietf.org/html/rfc8011>),

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26 April 2019

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