### csvfile

Loads data in a comma-separated values (CSV) or tab-separated values (TSV) file. This loads the header information in the first line of the CSV or TSV file and uses it as a field name.

#### Syntax

csvfile [OPTIONS] PATH

Required Parameter

**PATH**

Path to the file from which you want to load the data. Using a wildcard (\*) in the file name, you can load all files containing a specific string pattern in the file name at once. For example, if you enter allow-\*.csv in PATH, you can load all files, such as "allow-ip.csv", "allow-user.csv", "allow-url.csv" at once. To load a file, the Logpresso daemon must have the read permission to the file.

Optional Parameter

**cs=CHARSET**

Character set (default: utf-8). This option is case-insensitive. Use the preferred MIME name or aliases registered in the following document as CHARSET: <http://www.iana.org/assignments/character-sets/character-sets.xhtml>

**limit=INT**

Maximum number of records to load (default: unlimited).

**maxcol=INT**

Maximum number of columns to load (default: 10,000). If the maximum number of columns is exceeded, use the rest option to define the processing method.

**offset=INT**

Number of records to skip (default: 0).

**rest=BOOL**

Boolean option to process the column data exceeding the maximum number specified by the maxcol option (default: f). See usage #3 and #4.

1. t: Puts data beyond the maximum number of columns specified by the maxcol option in the **\_rest** field.
2. f: Discards the rest of the columns beyond the maximum number of columns specified by the maxcol option.

**strict=BOOL**

Compliance with RFC4180 (<https://tools.ietf.org/html/rfc4180>) (default: f). See Usage #5 to #8.

1. t: Strictly parses to conform RFC 4180 as the same as when you open the CSV file with Microsoft Excel. This option cannot be used when tab=t.
2. f: Flexibly parses the CSV file.

**tab=BOOL**

Option to use tab character as a separator (default: f).

1. t: Uses tab character as a separator. This is useful for processing tab-separated values (TSV) files.
2. f: Uses comma (,) as a separator.

#### Usage

Read the /opt/logpresso/wp-nginx.csv file.

# Download: https://raw.githubusercontent.com/logpresso/dataset/main/wp-nginx.csv | csvfile /opt/logpresso/wp-nginx.csv

Read 20 records after skipping the header line of /opt/logpresso/wp-nginx.csv file.

csvfile limit=20 offset=1 /opt/logpresso/wp-nginx.csv

Read only 4 columns in the /opt/logpresso/wp-nginx.csv file.

csvfile maxcol=4 /opt/logpresso/wp-nginx.csv

Read only 4 columns from the /opt/logpresso/wp-nginx.csv and assign the rest to the **\_rest** field.

csvfile maxcol=4 rest=t /opt/logpresso/wp-nginx.csv

Data with a white space between the separator and the column. Compare the results of each query example.

When strict=t, if there is a whitespace between the separator and the column, the double quotes (") are recognized as a character and are not parsed as intended.

# Download: https://raw.githubusercontent.com/logpresso/dataset/main/csvfile-strict-option-test-1.csv | csvfile strict=t /opt/logpresso/csvfile-strict-option-test-1.csv

When strict=f, if the pair of double quotes ("") is matched, only the strings inside the pair of quotes are recognized as columns, so it is parsed as intended.

csvfile strict=f /opt/logpresso/csvfile-strict-option-test-1.csv

Data without a white space between the separator and the column.

Regardless of the strict value, there is no whitespace between the separator and the column, so it is parsed as intended.

# Download: https://raw.githubusercontent.com/logpresso/dataset/main/csvfile-strict-option-test-2.csv | csvfile strict=t /opt/logpresso/csvfile-strict-option-test-2.csv csvfile strict=f /opt/logpresso/csvfile-strict-option-test-2.csv

Data in which double quote characters (") are escaped with a backslash (\).

When strict=t, the command recognizes the escape character (\) as a general character, so if you use " when writing double quotes (") in a column enclosed in a pair of double quotes (" "), it is not parsed as intended.

# Download: https://raw.githubusercontent.com/logpresso/dataset/main/csvfile-strict-option-test-3.csv | csvfile strict=t /opt/logpresso/csvfile-strict-option-test-3.csv

When strict=f, two consecutive double quotes ("") and an escaped double quote (") are parsed as a double quote within the column as intended.

csvfile strict=f /opt/logpresso/csvfile-strict-option-test-1.csv csvfile strict=f /opt/logpresso/csvfile-strict-option-test-3.csv