### explode

Expands the values of an array field into separated rows. This command is generally used to convert an array (horizontal) into a column (vertical). It preserves the input row if the specified field does not exist, is not an array, or is null.

#### Syntax

explode FIELD

Required Parameter

**FIELD**

Name of the field containing the array.

#### Usage

Calculate IP statistics

json "[{line: '10.0.0.1 10.0.0.2'},{line:'10.0.0.2 10.0.0.3'}]" | eval ip = split(line, " ") | explode ip | stats count by ip

[json](https://docs.logpresso.com/en/query/json-command): Generates the data source using "{line: '10.0.0.1 10.0.0.2'},{line:'10.0.0.2 10.0.0.3'}".

[eval](https://docs.logpresso.com/en/query/eval-command): Assigns the value in form of array that evaluated the [`split(line, " ")`](https://docs.logpresso.com/en/query/split-function) function to the new **ip** field.

[explode](https://docs.logpresso.com/en/query/explode-command): Explodes the array in the **ip** field in unit of array component, expanding the two rows into four.

[stats](https://docs.logpresso.com/en/query/stats-command): Calculates the [count](https://docs.logpresso.com/en/query/count-aggregate-function) of the number of rows in **ip** field.