

# Package: reon (via r-universe)

May 9, 2026

**Title** Read and Write 'eon' Configuration Files

**Version** 0.0.0.9000

**Description** Parse, create, and write configuration files in the 'eon' format <<https://github.com/emilk/eon>>. 'eon' is a human-friendly configuration format with optional commas, unquoted identifier keys, and support for comments.

**License** MIT + file LICENSE

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.3

**Config/rextendr/version** 0.4.2

**SystemRequirements** Cargo (Rust's package manager), rustc >= 1.85

**Depends** R (>= 4.2)

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Config/Needs/website** christopherkenny/ctktemplate

**URL** <http://christophertkenny.com/reon/>

**Config/pak/sysreqs** libclang-dev

**Repository** <https://christopherkenny.r-universe.dev>

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## Contents

format_eon . . . . .	2
parse_eon . . . . .	2
read_eon . . . . .	3

reformat_eon . . . . .	4
validate_eon . . . . .	4
write_eon . . . . .	5

<b>Index</b>	<b>6</b>
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format_eon	<i>Convert an R object to an eon-formatted string.</i>
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### Description

Serializes an R object into an eon-formatted character string. Named lists become maps, unnamed lists become arrays, and R scalars map to their eon equivalents.

### Usage

```
format_eon(x, indent = "\t")
```

```
format_eon(x, indent = "\t")
```

### Arguments

x	An R object (named list, unnamed list, or scalar) to serialize.
indent	A string used for each level of indentation. Defaults to a tab.

### Value

A character string containing the eon representation.

### Examples

```
format_eon(list(name = 'Alice', age = 30L))
format_eon(list(scores = list(1L, 2L, 3L)))
format_eon(list(active = TRUE, ratio = 0.5))
format_eon(list(name = 'Alice', age = 30L), indent = '  ')
```

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parse_eon	<i>Parse an eon-formatted string into an R object.</i>
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### Description

Converts an eon-formatted character string into the corresponding R representation. Maps, lists, and scalars are returned as named lists, unnamed lists, and R scalars respectively.

**Usage**

```
parse_eon(x)
```

```
parse_eon(x)
```

**Arguments**

x                    A character string containing eon-formatted text.

**Value**

An R object (named list, unnamed list, or scalar) representing the eon value.

**Examples**

```
parse_eon('name: "Alice"\nage: 30')
parse_eon('scores: [1, 2, 3]')
parse_eon('x: true')
parse_eon('x: +inf')
```

---

read_eon	<i>Read an eon file and return its contents as an R object.</i>
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**Description**

Reads an eon file from disk and parses it into the corresponding R representation.

**Usage**

```
read_eon(path)
```

```
read_eon(path)
```

**Arguments**

path                Path to an eon file.

**Value**

An R object representing the eon file's contents.

**Examples**

```
tmp <- tempfile(fileext = '.eon')
write_eon(list(x = 1L, y = 'hello'), tmp)
read_eon(tmp)
```

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reformat_eon	<i>Reformat an eon-formatted string.</i>
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**Description**

Parses and re-serializes an eon string, normalizing whitespace and style without changing the data.

**Usage**

```
reformat_eon(x, indent = "\t")
```

```
reformat_eon(x, indent = "\t")
```

**Arguments**

x	A character string containing eon-formatted text.
indent	A string used for each level of indentation. Defaults to a tab.

**Value**

A reformatted eon string.

**Examples**

```
reformat_eon('{name:"Alice",age:30}')  
reformat_eon('{name:"Alice",age:30}', indent = '  ')
```

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validate_eon	<i>Check whether a string is valid eon.</i>
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**Description**

Returns TRUE if x can be parsed as eon, FALSE otherwise. Unlike parse\_eon(), this never throws an error.

**Usage**

```
validate_eon(x)
```

```
validate_eon(x)
```

**Arguments**

x	A character string to check.
---	------------------------------

**Value**

A logical scalar.

**Examples**

```
validate_eon('name: "Alice"\nage: 30')  
validate_eon('bad: {unclosed}')
```

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write_eon	<i>Write an R object to an eon file.</i>
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---

**Description**

Serializes an R object and writes the eon representation to a file on disk.

**Usage**

```
write_eon(x, path)
```

```
write_eon(x, path)
```

**Arguments**

x	An R object to serialize.
path	Path to write the eon file.

**Value**

path, invisibly.

**Examples**

```
tmp <- tempfile(fileext = '.eon')  
write_eon(list(name = 'Alice', age = 30L), tmp)  
readLines(tmp)
```

# Index

`format_eon`, 2

`parse_eon`, 2

`read_eon`, 3

`reformat_eon`, 4

`validate_eon`, 4

`write_eon`, 5