

# Package ‘languageserver’

March 7, 2026

**Type** Package

**Title** Language Server Protocol

**Version** 0.3.17

**Date** 2026-03-04

**Description** An implementation of the Language Server Protocol for R. The Language Server protocol is used by an editor client to integrate features like auto completion. See <https://microsoft.github.io/language-server-protocol/> for details.

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**URL** <https://github.com/REditorSupport/languageserver/>

**Depends** R (>= 3.4.0)

**Imports** callr (>= 3.0.0), collections (>= 0.3.0), digest, fs (>= 1.3.1), jsonlite (>= 1.6), lintr (>= 3.0.0), parallel, R6 (>= 2.4.1), roxygen2 (>= 7.0.0), stringi (>= 1.1.7), styler (>= 1.5.1), tools, utils, xml2 (>= 1.2.2), xmlparsedata (>= 1.0.3)

**Suggests** covr (>= 3.4.0), magrittr (>= 1.5), mockery (>= 0.4.2), pacman, processx (>= 3.4.1), purrr (>= 0.3.3), testthat (>= 2.1.0), withr (>= 2.3.0), rmarkdown (>= 2.0)

**ByteCompile** yes

**Encoding** UTF-8

**NeedsCompilation** yes

**RoxygenNote** 7.3.3

**Config/testthat/edition** 3

**Config/Needs/development** testthat, magrittr, mockery, purrr, withr, rmarkdown

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**Repository** CRAN

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languageserver-package

*languageserver: Language Server Protocol*

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### Description

An implementation of the Language Server Protocol for R. The Language Server protocol is used by an editor client to integrate features like auto completion. See <https://microsoft.github.io/language-server-protocol/> for details.

### Details

An implementation of the Language Server Protocol for R

### Author(s)

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### See Also

Useful links:

- <https://github.com/REditorSupport/languageserver/>

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diagnostics

*diagnostics*

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### Description

Diagnose problems in files after linting.

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run	<i>Run the R language server</i>
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**Description**

Run the R language server

**Usage**

```
run(debug = FALSE, host = "localhost", port = NULL)
```

**Arguments**

debug	set TRUE to show debug information in stderr; or it could be a character string specifying the log file
host	the hostname used to create the tcp server, not used when port is NULL
port	the port used to create the tcp server. If NULL, use stdio instead.

**Examples**

```
## Not run:  
# to use stdio  
languageserver::run()  
  
# to use tcp server  
languageserver::run(port = 8888)  
  
## End(Not run)
```

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