

# Package: RcppXts (via r-universe)

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**Type** Package

**Title** Interface the 'xts' API via 'Rcpp'

**Version** 0.0.6

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**Description** Access to some of the C level functions of the 'xts' package. In its current state, the package is mostly a proof-of-concept to support adding useful functions, and does not yet add any of its own.

**URL** <https://github.com/eddelbuettel/rcppxts>,  
<https://dirk.eddelbuettel.com/code/rcpp.xts.html>

**BugReports** <https://github.com/eddelbuettel/rcppxts/issues>

**License** GPL (>= 2)

**Depends** xts (>= 0.9-6)

**Imports** methods, Rcpp (>= 0.10.2)

**LinkingTo** Rcpp, xts

**RcppModules** xts

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

**RemoteUrl** <https://github.com/eddelbuettel/rcppxts>

**RemoteRef** HEAD

**RemoteSha** c34d511857014817b35139563c126e9e8838538a

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**Description**

This package helps with an Rcpp-based interface to the API of the **xts** package.

**Usage**

```
xtsIs(x)
xtsIsOrdered(x, increasing, strictly)
xtsNaCheck(x, check)
xtsTry(x)
xtsRbind(x, y, dup)
xtsCoredata(x)
xtsLag(x, k, pad)
xtsEndpoints(x, on, k, addlast)
xtsMakeIndexUnique(x, eps)
xtsMakeUnique(x, eps)
xtsMerge(x, y, all, fill, retclass, colnames, suffixes, retside,
         check_names, env, coerce)
xtsNaOmit(x)
xtsNaLocf(x, fromLast, maxgap, limit)
```

**Arguments**

|            |   |
|------------|---|
| x          | an xts object   |
| y          | an xts object   |
| increasing | a boolean switch  |
| strictly   | a boolean switch  |
| check      | a boolean switch  |
| dup        | a boolean switch whether to remove duplicates   |
| k          | an integer denoting lag length, or interval   |
| pad        | a boolean switch whether to pad   |
| on         | a numeric value for desired distance, measure in seconds, between endpoints                   |
| addlast    | a boolean switch whether last value should be included  |
| eps        | a numeric value for the desired minimal difference between elements                           |
| all        | a boolean vector with two elements indication whether left or right joins are desired         |
| fill       | a vector with value to be filled at the end, if needed; defaults to NA                        |
| retclass   | a boolean switch indicating whether the return class attribute should be set; default is TRUE |
| colnames   | a character vector with column names  |

|                          |  |
|--------------------------|--|
| <code>suffixes</code>    | a character vector with column name suffixes; default is NULL  |
| <code>retside</code>     | a boolean switch of size two for the desired return dimension if these need to be set                            |
| <code>check_names</code> | a boolean switch to enable name checking   |
| <code>env</code>         | an environment, possibly empty   |
| <code>coerce</code>      | an integer value indicating if coercion should be forced   |
| <code>fromLast</code>    | a boolean variable indicating whether observations should be carried backward rather than forward; default FALSE |
| <code>maxgap</code>      | a double indicating the maximum number of NAs to be retained; default is Inf                                     |
| <code>limit</code>       | a double value for the limit of consecutive NA values; default is Inf  |

**Details**

Please use the **xts** sources as the ultimate reference for these variables. The R functions in package **xts** set some of these values up, and the **RcppXts** package could eventually shadow some of this.

**Author(s)**

Dirk Eddelbuettel

**See Also**

[xts](#)

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