

# Package ‘rLTP’

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**Title** R Interface to the 'LTP'-Cloud Service

**Description** R interface to the 'LTP'-Cloud service for Natural Language Processing in Chinese (<http://www.ltp-cloud.com/>).

**Version** 0.1.4

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**URL** <https://github.com/hetong007/rLTP>

**BugReports** <https://github.com/hetong007/rLTP/issues>

**Depends** R (>= 3.3.2), RCurl

**License** LGPL

**LazyData** true

**RoxygenNote** 6.0.1

**NeedsCompilation** yes

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isBIG5

*Indicate whether the encoding of input string is BIG5.*

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**Description**

Indicate whether the encoding of input string is BIG5.

**Usage**

```
isBIG5(string, combine = FALSE)
```

**Arguments**

string	A character vector.
combine	Whether to combine all the strings.

**Value**

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

**Author(s)**

Jian Li <<rweibo@sina.com>>

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isGB18030

*Indicate whether the encoding of input string is GBK.*

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**Description**

Indicate whether the encoding of input string is GBK.

**Usage**

```
isGB18030(string, combine = FALSE)
```

**Arguments**

string	A character vector.
combine	Whether to combine all the strings.

**Value**

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

**Author(s)**

Jian Li <<rweibo@sina.com>>

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isGB2312                      *Indicate whether the encoding of input string is GB18030.*

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**Description**

Indicate whether the encoding of input string is GB18030.

**Usage**

```
isGB2312(string, combine = FALSE)
```

**Arguments**

string	A character vector.
combine	Whether to combine all the strings.

**Value**

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

**Author(s)**

Jian Li <<rweibo@sina.com>>

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isGBK                      *Indicate whether the encoding of input string is GBK.*

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**Description**

Indicate whether the encoding of input string is GBK.

**Usage**

```
isGBK(string, combine = FALSE)
```

**Arguments**

string	A character vector.
combine	Whether to combine all the strings.

**Value**

A vector of logical values, the length of `string` - or a single logical value if `combine` is `TRUE`.

**Author(s)**

Jian Li <<rweibo@sina.com>>

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isUTF8	<i>Indicate whether the encoding of input string is UTF-8.</i>
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**Description**

Indicate whether the encoding of input string is UTF-8.

**Usage**

```
isUTF8(string, combine = FALSE)
```

**Arguments**

string	A character vector.
combine	Whether to combine all the strings.

**Value**

A vector of logical values, the length of string - or a single logical value if combine is TRUE.

**Author(s)**

Jian Li <<rweibo@sina.com>>

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ltp	<i>R Interface of LTP-cloud service</i>
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**Description**

This function deals with communication with the server. XML result will be parsed if the mission is word-splitting. Else the raw XML texts will be returned for further analysis.

**Usage**

```
ltp(input = NULL, file = NULL, mission = "ws",
    api_key = getOption("ltp_api_key"), maxUpload = 1e+05)
```

**Arguments**

input	The input text.
file	The input file.
mission	Expected result for the cloud server, may be unfinished. Optional choices are 'ws' for word-splitting, 'pos' for part-of-speech, 'ner' for named entity recognition, 'dp' for dependency parser, 'srl' for semantic role labeling, 'all' for all missions.

api_key	Your API_Key for the cloud server. Visit <a href="http://www.ltp-cloud.com/dashboard/">http://www.ltp-cloud.com/dashboard/</a> to get it.
maxUpload	Due to the limitation of the server, we cut the input in pieces.

### Examples

```
## Not run:
# require(rLTP)
# This api_key is publicly accessible.
# So it is strongly recommended to register for your own key.
# options(ltp_api_key='l2T9N724koSqEcDJvQHtRGVV2erajgP0gB0FACLj')
# ltp('Replace this field with a Chinese sentence.')

## End(Not run)
```

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rLTP

*rLTP*


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### Description

rLTP

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toUTF8

*Convert encoding of Chinese string to UTF-8.*


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### Description

Convert encoding of Chinese string to UTF-8.

### Usage

```
toUTF8(cnstring)
```

### Arguments

cnstring	A Chinese string vector.
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### Value

Converted vectors.

### Author(s)

Jian Li <<rweibo@sina.com>>

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