

# Package ‘r511’

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**Type** Package

**Title** Work with the Bay Area Transportation Commission Application Programming Interface

**Version** 0.1.1

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**Description** For the 9 counties in the San Francisco Bay area the Metropolitan Transportation Commission maintains an Application Programming Interface with information on more than 20 transit operators. This package allows users to retrieve information about transit schedules in the General Transit Feed Specification as published by the Metropolitan Transportation Commission at the following url: <<https://511.org/developers/list/apis/>>.

**License** GPL

**Encoding** UTF-8

**LazyData** true

**Imports** dplyr, tibble, httr, xml2, assertthat

**Suggests** testthat, knitr, rmarkdown

**RoxygenNote** 6.0.1

**VignetteBuilder** knitr

**NeedsCompilation** no

**Repository** CRAN

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get_511_metadata	<i>Get metadata about MTC 511 operators</i>
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**Description**

Get metadata about MTC 511 operators

**Usage**

```
get_511_metadata()
```

**Value**

a tibble of operator names, privatecodes, and primary modes

**Examples**

```
## Not run:  
#set your api key as an environmental variable  
Sys.setenv(APIKEY511="yourkeyhere")  
#if you don't have a key, you can get one here:  
#https://511.org/developers/list/tokens/create  
operator_df <- get_511_metadata()  
head(operator_df)  
  
## End(Not run)
```

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get_511_url	<i>Use the tthread import_gtfs function to import an MTC 511 GTFS zip file into a list of R dataframes</i>
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**Description**

Use the tthread import\_gtfs function to import an MTC 511 GTFS zip file into a list of R dataframes

**Usage**

```
get_511_url(privatecode)
```

**Arguments**

privatecode	this is the shortcode used by 511 to refer to operators. you can find these on the tibble returned from get_511_metadata
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**Value**

a list of GTFS dataframes

### **Examples**

```
## Not run:  
#set your api key as an environmental variable  
Sys.setenv(APIKEY511="yourkeyhere")  
#if you don't have a key, you can get one here:  
#https://511.org/developers/list/tokens/create  
operator_df <- xml511_to_tibble()  
bart_code <- df1[df1$name=='Bay Area Rapid Transit',]$privatecode  
bart_gtfs_data <- get_mtc_511_gtfs(bart_code)  
  
## End(Not run)
```

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