

# Package ‘RTConnect’

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**Type** Package

**Title** Tools for analyzing sales report files of iTunes Connect.

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**Description** Tools for analyzing sales report files of iTunes Connect.

**License** GPL-3

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**NeedsCompilation** no

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RTConnect-package      *The R iTunes Connect Package*

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### Description

R functions for analyzing iTunes Connect sales report files

### Details

This package helps to analyze sales report files of iTunes Connect.  
For a complete list of functions, use `'library(help = "RTConnect")'`.

### Author(s)

Yusuke Miyazaki  
Maintainer: Yusuke Miyazaki <miyazaki.dev@gmail.com>

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barplot.rtconnect      *Bar Plot for rtconnect Object*

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### Description

Plot units of rtconnect object.

### Usage

```
## S3 method for class 'rtconnect'  
barplot(height, type = "daily",  
        main = NULL, xlab = NULL, ylab = NULL, plab = FALSE, ...)
```

### Arguments

height	rtconnect object.
type	string giving the type of plot. The following values are possible: "daily", "daily.version", "weekly", "weekly.version", "version" and "country".
main	overall title for the plot.
xlab	a label for the x axis.
ylab	a label for the y axis.
plab	whether or not display value labels.
...	

### Author(s)

Yusuke Miyazaki

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date.to.week	<i>Date Conversion Function to Character (Year and Week)</i>
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**Description**

Function for converting from date to character (year and week).

**Usage**

```
date.to.week(date)
```

**Arguments**

date            a Date object to be converted.

**Value**

A character object representing year and week.

**Author(s)**

Yusuke Miyazaki

**See Also**

[week.to.date](#)

**Examples**

```
date.to.week(as.Date("2013/06/10"))
```

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kPeriod	<i>Subscription Period</i>
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**Description**

Subscription period for iTunes Connect sales report.

**Usage**

```
kPeriod
```

**Format**

The format is a list of 6 characters.

\$ P7Days:	"7 Days"
\$ P1Month:	"1 Month"
\$ P2Months:	"2 Months"
\$ P3Months:	"3 Months"
\$ P6Months:	"6 Months"
\$ P1Year:	"1 Year"

**Source**

<http://www.apple.com/itunesnews/docs/AppStoreReportingInstructions.pdf>

**Examples**

```
kPeriod
kPeriod$P1Month
```

---

kProductTypeIdentifier

*Product Type Identifier*

---

**Description**

Product type identifiers of iTunes Connect sales report.

**Usage**

```
kProductTypeIdentifier
```

**Format**

The format is a list of 19 characters.

\$ iPhoneInstall:	"1"
\$ iPhoneUpdate:	"7"
\$ iOSInAppPurchase:	"IA1"
\$ iOSInAppSubscription:	"IA9"
\$ iOSInAppAutoRenewableSubscription:	"IAY"
\$ iOSInAppFreeSubscription:	"IAC"
\$ iOSInstall:	"1F"
\$ iOSUpdate:	"7F"
\$ iPadInstall:	"1T"
\$ iPadUpdate:	"7T"
\$ MacInstall:	"F1"

\$ MacUpdate:	"F7"
\$ MacInAppPurchase:	"FI1"
\$ iPhoneCustom:	"1E"
\$ iPadCustom:	"1EP"
\$ iOSCustom:	"1EU"
\$ Install:	"1" "1F" "1T" "F1"
\$ Update:	"7" "7F" "7T" "F7"
\$ InAppPurchase:	"IA1" "IA9" "IAY" "FI1"

**Source**

<http://www.apple.com/itunesnews/docs/AppStoreReportingInstructions.pdf>

**Examples**

```
kProductTypeIdentifier
kProductTypeIdentifier$iPhoneInstall
```

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kPromotionalCodes	<i>Promotional Codes</i>
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**Description**

Promotional codes of iTunes Connect sales report.

**Usage**

```
kPromotionalCodes
```

**Format**

The format is a list of 4 characters.

\$ Developer:	"CR - RW"
\$ GiftPurchase:	"GP"
\$ GiftRedemption:	"GR"
\$ Education:	"EDU"

**Source**

<http://www.apple.com/itunesnews/docs/AppStoreReportingInstructions.pdf>

**Examples**

```
kPromotionalCodes
kPromotionalCodes$GiftPurchase
```

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kSubscription	<i>Subscription Type</i>
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**Description**

Subscription type for iTunes Connect sales report.

**Usage**

```
kSubscription
```

**Format**

The format is a list of 2 characters.

```
$ New:      "New"
$ Renewal:  "Renewal"
```

**Source**

<http://www.apple.com/itunesnews/docs/AppStoreReportingInstructions.pdf>

**Examples**

```
kSubscription
kSubscription$Renewal
```

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plot.rtconnect	<i>Plot for rtconnect object.</i>
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**Description**

Plot units of rtconnect object.

**Usage**

```
## S3 method for class 'rtconnect'
plot(x, type="daily", graph.type="b",
     main=NULL, xlab=NULL, ylab=NULL, ...)
```

**Arguments**

x	rtconnect object.
type	string giving the type of plot. The following values are possible: "daily" and "weekly".

graph.type	1-character string giving the type of plot desired.
main	overall title for the plot.
xlab	a label for the x axis.
ylab	a label for the y axis.
...	

**Author(s)**

Yusuke Miyazaki

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rtconnect	<i>Load Report Files of iTunes Connect</i>
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**Description**

Reads loading sales report files of iTunes Connect and create rtconnect object from them.

**Usage**

```
rtconnect(daily.dir = "~/data/daily")
```

**Arguments**

daily.dir	name of the directory which daily sales report files (S_D_*_YYYYMMDD.txt) are put.
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**Value**

A rtconnect object ('rtconnect', 'data.frame').

**Author(s)**

Yusuke Miyazaki

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subset.rtconnect      *Subsetting rtconnect Object*

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## Description

Return subsets of rtconnect object which meet conditions.

## Usage

```
## S3 method for class 'rtconnect'
subset(x, sku = NULL, developer = NULL, title = NULL,
       version = NULL, version.lte = NULL, version.gte = NULL,
       product.type.identifier = NULL, units = NULL, units.lte = NULL,
       units.gte = NULL, developer.proceeds = NULL,
       developer.proceeds.lte = NULL, developer.proceeds.gte = NULL,
       date = NULL, date.lte = NULL, date.gte = NULL, customer.currency = NULL,
       country.code = NULL, currency.of.proceeds = NULL,
       apple.identifier = NULL, customer.price = NULL, promo.code = NULL,
       parent.identifier = NULL, subscription = NULL, period = NULL, ...)
```

## Arguments

x	rtconnect object.
sku	SKU.
developer	developer.
title	title.
version	version.
version.lte	version.
version.gte	version.
product.type.identifier	product type identifiers.
units	number of units.
units.lte	number of units.
units.gte	number of units.
developer.proceeds	developer proceeds.
developer.proceeds.lte	developer proceeds.
developer.proceeds.gte	developer proceeds.
date	date.
date.lte	date.



date.gte           date.  
 customer.currency           customer currency.  
 country.code       country code.  
 currency.of.proceeds       currency of proceeds.  
 apple.identifier           Apple identifier.  
 customer.price   customer price.  
 promo.code       promo code.  
 parent.identifier       parent identifier.  
 subscription   subscription type.  
 period         period.  
 ...

**Value**

A rtconnect object.

**Author(s)**

Yusuke Miyazaki

**See Also**

[kProductTypeIdentifier](#) [kPromotionalCodes](#) [kSubscription](#) [kPeriod](#)

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week.to.date

*Character (Year and Week) Conversion Function to Date*

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**Description**

Function for converting from character (year and week) to date.

**Usage**

```
week.to.date(week)
```

**Arguments**

week           a character object to be converted.

**Value**

A Date object representing first day of the week.

**Author(s)**

Yusuke Miyazaki

**See Also**

[date.to.week](#)

**Examples**

```
week.to.date("2013W23")
```

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