Package 'BiocMaintainerApp'

November 11, 2026

Title View Bioconductor Package Maintainer Information Interactively

Version 1.0.0

Description This package allows interactive viewing of package maintainer information. The Bioconductor Package Maintainer Application sends yearly verification emails to accept Bioconductor policies; this application also depicts maintainer status on opting in and if the email is deemed valid.

License Artistic-2.0

Depends R (>= 4.6.0)

Imports shiny, jsonlite, DT, shinyjs, shinythemes

Suggests knitr, BiocStyle, testthat (>= 3.0.0)

biocViews Infrastructure, ShinyApps

BugReports https://github.com/lshep/BiocMaintainerApp/issues

URL https://github.com/lshep/BiocMaintainerApp

Encoding UTF-8

VignetteBuilder knitr

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.3

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`BiocMaintainerShiny` *Launch Shiny application for Bioconductor Maintainer Validation App*

Description

This shiny app allows exploration of package maintainers and validity of emails.

Usage

```
BiocMaintainerShiny(...)
```

Arguments

`...`	Further arguments to the `runApp` function

Details

This shiny app allows exploration of package maintainers and validity of emails. The associated Bioconductor validation app sends a yearly reminder of Bioconductor policies that maintainers should opt-in. Th app also reflects the status of accepting policies and whether or not the email was reachable.

Value

Displays shiny app in browser

Author(s)

Lori Shepherd

Examples

```
if (interactive()) {
    BiocMaintainerShiny()
}
```

`getInfoByEmail` *Get Maintainer Information by Maintainer Email*

Description

Retrieves maintainer information by maintainer email

Usage

```
getInfoByEmail(email)
```

Arguments

`email`	current Bioconductor package maintainer email

Details

Retrieves maintainer information by maintainer email

Value

data.frame of maintainer information including name, package, email, consent_date, email_status, is_email_valid

Author(s)

Lori Shepherd

Examples

```
tbl <- getInfoByEmail("maintainer@bioconductor.org")
```

getInfoByName *Get Maintainer Information by Maintainer Name*

Description

Retrieves maintainer information by maintainer name

Usage

```
getInfoByName(name)
```

Arguments

name	current Bioconductor package maintainer name

Details

Retrieves maintainer information by maintainer name

Value

data.frame of maintainer information including name, package, email, consent_date, email_status, is_email_valid

Author(s)

Lori Shepherd

Examples

```
tbl <- getInfoByName("Lori Shepherd")
tbl <- getInfoByName("Hervé Pagès")
```

getInfoByPackage *Get Maintainer Information by Package Name*

Description

Retrieves maintainer information by package name

Usage

```
getInfoByPackage(packageName)
```

Arguments

packageName	current Bioconductor package

Details

Retrieves maintainer information by package name

Value

data.frame of maintainer information including name, package, email, consent_date, email_status, is_email_valid

Author(s)

Lori Shepherd

Examples

```
tbl <- getInfoByPackage("BiocFileCache")
```

---

get_maintainer_data *Retrieve Maintainer Information*

Description

Retrieves maintainer information from the package maintainer validation app

Usage

```
get_maintainer_data(
  url = "https://pkgmaintainers.bioconductor.org/download-maintainer-db"
)
```

Arguments

url	Url to retrieve data from whose data can be parsed with jsonlite::fromJSON

Details

Retrieves maintainer information from the package maintainer validation app

Value

data.frame of maintainer information

Author(s)

Lori Shepherd

Examples

```
tbl <- get_maintainer_data()
```

`isEmailValid` *Check if Maintainer Email is Valid*

Description

Retrieves if maintainer email is valid

Usage

```
isEmailValid(email)
```

Arguments

`email`	current Bioconductor package maintainer email

Details

Retrieves if maintainer email is valid.

Value

list. All lists have attribute 'valid' which is TRUE/FALSE. If valid is FALSE, the list will also contain an attribute 'data' with additional diagnostic columns in the database. This includes: email, name, package, consent_date, email_status, is_email_valid, bounce_type, bounce_subtype, smtp_status, diagnostic_code. If no 'data' attribute is included, the email is not found in the database.

Author(s)

Lori Shepherd

Examples

```
tbl <- isEmailValid("maintainer@bioconductor.org")
```

listAllBadEmails *List All 'Bad' Emails*

Description

Retrieves all 'bad' emails.

Usage

```
listAllBadEmails()
```

Details

Retrieves all 'bad' emails. A 'bad' email is either invalid or has not consented within the last year.

Value

character vector that lists all maintainer emails.

Author(s)

Lori Shepherd

Examples

```
tbl <- listAllBadEmails()
```

listEmailsOnSuppressionList *List All Emails on Suppression List*

Description

Retrieves all emails on AWS Suppression List

Usage

```
listEmailsOnSuppressionList()
```

Details

Retrieves all emails on AWS Suppression List

Value

list. First attribute is 'awssuppression' which is TRUE. Second attribute is 'data' which is a data.frame that includes the email and name.

Author(s)

Lori Shepherd

Examples

```
tbl <- listEmailsOnSuppressionList()
```

`listInvalid` *List All Invalid Emails*

Description

Retrieves all invalid emails

Usage

```
listInvalid()
```

Details

Retrieves all invalid emails

Value

data.frame of maintainer information for anyone with a currently identified invalid email. This includes: email, name, package, email_status, is_email_valid, bounce_type, bounce_subtype, smtp_status, diagnostic_code. An email is designated invalid if the validation email failed to send either for a bounce or because it is on the AWS suppression list.

Author(s)

Lori Shepherd

Examples

```
tbl <- listInvalid()
```

`listNeedsConsent` *List All Maintainer that Need Consent*

Description

Retrieves all maintainers that need to consent to Bioconductor policies.

Usage

```
listNeedsConsent()
```

Details

Retrieves all maintainers that need to consent to Bioconductor policies. Bioconductor requires maintainers consent to Bioconductor policies once a year.

Value

character vector that lists all maintainer emails that need consent.

Author(s)

Lori Shepherd

Examples

```
tbl <- listNeedsConsent()
```

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