

Package ‘iSEEhub’

September 11, 2024

Title iSEE for the Bioconductor ExperimentHub

Version 1.7.0

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Description This package defines a custom landing page for an iSEE app interfacing with the Bioconductor ExperimentHub. The landing page allows users to browse the ExperimentHub, select a data set, download and cache it, and import it directly into a Bioconductor iSEE app.

License Artistic-2.0

URL <https://github.com/iSEE/iSEEhub>

BugReports <https://support.bioconductor.org/t/iSEEhub>

biocViews DataImport, ImmunoOncology Infrastructure, ShinyApps, SingleCell, Software

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Depends SummarizedExperiment, SingleCellExperiment, ExperimentHub

Imports AnnotationHub, BiocManager, DT, iSEE, methods, rintrojs, S4Vectors, shiny, shinydashboard, shinyjs, utils

Suggests BiocStyle, covr, knitr, RefManageR, rmarkdown, sessioninfo, testthat (>= 3.0.0), nullrangesData

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Description

iSEEhub app

Usage

```
iSEEhub(ehub, runtime_install = FALSE)
```

Arguments

ehub An `ExperimentHub()` object.

runtime_install

A logical scalar indicating whether the app may allow users whether to install data set dependencies at runtime using `BiocManager::install()` through a modal prompt.

Value

An `iSEE()` app with a custom landing page interfacing with ehub.

Examples

```
library(ExperimentHub)
ehub <- ExperimentHub()

app <- iSEHub(ehub)

if (interactive()) {
  shiny::runApp(app, port = 1234)
}
```

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