

Insert Cohort Definitions Into Package

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Contents

ROhdsiWebApi is part of HADES. # Introduction From Package Readme

ROhdsiWebApi maybe used to insert cohort definition json and sql from your Atlas (webapi) instance into your study R package. Two functions in this package support `insertCohortDefinitionInPackage` and `insertCohortDefinitionSetInPackage`. Please see documentation for the functions. This vignette focusses on the `insertCohortDefinitionsetInPackage` function. It depends on a reference file called `CohortsToCreate`.

We can easily create a cohorts to create files as follows:

```
library(magrittr)
# Set up
baseUrl <- Sys.getenv("BaseUrl")
# list of cohort ids
cohortIds <- c(18345,18346)

# get specifications for the cohortIds above
webApiCohorts <-
  ROhdsiWebApi::getCohortDefinitionsMetaData(baseUrl = baseUrl) %>%
  dplyr::filter(.data$id %in% cohortIds)

cohortsToCreate <- list()
for (i in (1:nrow(webApiCohorts))) {
  cohortId <- webApiCohorts$id[[i]]
  cohortDefinition <-
    ROhdsiWebApi::getCohortDefinition(cohortId = cohortId,
                                       baseUrl = baseUrl)
  cohortsToCreate[[i]] <- tidyr::tibble(
    atlasId = webApiCohorts$id[[i]],
    name = webApiCohorts$id[[i]],
    cohortName = stringr::str_trim(stringr::str_squish(cohortDefinition$name))
  )
}

cohortsToCreate <- dplyr::bind_rows(cohortsToCreate)

readr::write_excel_csv(x = cohortsToCreate, na = "",
                      file = "inst/settings/CohortsToCreate.csv",
                      append = FALSE)
```

Once this file has been created, then use insert function as follows

```
# Insert cohort definitions from ATLAS into package -----
ROhdsiWebApi::insertCohortDefinitionSetInPackage(
  fileName = "inst/settings/CohortsToCreate.csv",
  baseUrl = baseUrl,
  insertTableSql = TRUE,
  insertCohortCreationR = TRUE,
  generateStats = TRUE,
  packageName = 'yourFavoritePackage'
)
```