Package 'echoconda'

September 19, 2021

Type Package

Title echoverse module: conda environment management

Version 0.99.0

Description Various utility functions to find, build, and use conda environments from within R.

URL https://github.com/RajLabMSSM/echoconda

BugReports https://github.com/RajLabMSSM/echoconda/issues

Encoding UTF-8

LazyData false

Depends R (>= 3.6.0)

SystemRequirements Python (>= 3.7.0)

biocViews

Imports devtools,
    magrittr,
    utils,
    R.utils,
    reticulate

Suggests markdown,
    rmarkdown,
    remotes,
    knitr,
    BiocStyle,
    covr,
    testthat (>= 3.0.0)

RoxygenNote 7.1.2

VignetteBuilder knitr

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Config/testthat/edition 3

R topics documented:

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activate_env   *Activate conda env*

Description

Activate conda env

Usage

```
activate_env(conda_env = "echoR", verbose = TRUE)
```

Arguments

conda_env   Conda environment to use.

verbose   Print messages.

See Also

Other conda: env_from_yaml(), find_env_rlib(), install_conda()

Examples

```
activate_env(conda_env = "echoR")
```

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env_from_yaml   *Create conda env from yaml file*

Description

Create conda env from yaml file

Usage

```
env_from_yaml(
  yaml_path = system.file(package = "echoconda", "conda/echoR.yml"),
  conda = "auto",
  force_new = FALSE,
  verbose = TRUE
)
```

Arguments

yaml_path   Path to local or remote yaml file with conda build specifications.

conda   Path to conda executable.

force_new   If the conda env already exists, overwrite it with a new one (*DEFAULT*: FALSE).

verbose   Print messages.

See Also

Other conda: `activate_env()`, `find_env_rlib()`, `install_conda()`

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find_env_rlib   *Find the R library for a specific env*

Description

Find the R library for a specific env

Usage

```
find_env_rlib(conda_env = "echoR", suffix = "lib/R/library/")
```

Arguments

conda_env	Conda environment name.
suffix	Suffixes to use when searching for R library.

See Also

Other conda: `activate_env()`, `env_from_yaml()`, `install_conda()`

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find_package   *Find package executable*

Description

Find package executable

Usage

```
find_package(package, conda_env = "echoR", verbose = TRUE)
```

Arguments

package	Name of a package within a conda env.
conda_env	Conda environment name.
verbose	Print messages.

See Also

Other echoconda: `find_python_path()`

Examples

```
# Tabix
tabix <- find_package(package = "tabix", conda_env = "echoR")
tabix <- find_package(package = "tabix", conda_env = NULL)
# bgzip
bgzip <- find_package(package = "bgzip", conda_env = "echoR")
bgzip <- find_package(package = "bgzip", conda_env = NULL)
```

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find_python_path   *Find the python file for a specific env*

Description

Find the python file for a specific env

Usage

```
find_python_path(conda_env = "echoR", verbose = TRUE)
```

Arguments

conda_env	Conda environment name.
verbose	Print messages.

See Also

Other echoconda: [find_package()](find_package)

Examples

```
python <- find_python_path(conda_env = "echoR")
```

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install_conda   *Install conda if it's missing*

Description

Install conda if it's missing

Usage

```
install_conda(conda_path = "auto", verbose = TRUE)
```

Arguments

conda_path	Path to conda executable.
verbose	Print messages.

See Also

Other conda: [activate_env()](activate_env), [env_from_yaml()](env_from_yaml), [find_env_rlib()](find_env_rlib)

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