

Package ‘echoconda’

September 19, 2021

Type Package

Title Echoverse Module: Conda Environment Management

Version 0.99.1

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 true

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

License GPL (>= 3)

Config/testthat/edition 3

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activate_env	<i>Activate conda env</i>
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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")
```

env_exists	<i>Check whether a conda env exists</i>
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Description

Check whether a conda env exists

Usage

```
env_exists(env_name, conda = "auto")
```

Arguments

env_name	Name of the conda environment.
conda	Path to conda executable.

Examples

```
does_exist <- env_exists()
```

env_from_yaml	Create conda env from yaml file
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Description

Create conda env from yaml file

Usage

```
env_from_yaml(  
  yaml_path = system.file(package = "echoconda", "conda/echoR.yaml"),  
  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 (<i>DEFAULT</i> : FALSE).
verbose	Print messages.

See Also

Other conda: [activate_env\(\)](#), [find_env_rlib\(\)](#), [install_conda\(\)](#)

find_env_rlib	Find the R library for a specific env
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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\(\)](#)

find_package	<i>Find package executable</i>
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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)
```

find_python_path	<i>Find the python file for a specific env</i>
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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\(\)](#)

Examples

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

install_conda	<i>Install conda if it's missing</i>
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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\(\)](#), [env_from_yaml\(\)](#), [find_env_rlib\(\)](#)

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