Package 'ami'

June 6, 2023

Title Checks for Various Computing Environments

Version 0.1.0

Description A collection of lightweight functions that can be
used to determine the computing environment in which your code is
running. This includes operating systems, continuous integration (CI)
environments, containers, and more.

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Imports curl, glue, lifecycle, rlang, rstudioapi

Suggests config, covr, testthat (>= 3.0.0), withr

Config/testthat/edition 3

Config/testthat/parallel true

Encoding UTF-8

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BugReports <https://github.com/briandconnelly/ami/issues>

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R topics documented:

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online   *Checks related to networking*

Description

online() uses curl::has_internet to check whether the machine is connected to the internet

Usage

```
online()

using_host(hostname)
```

Arguments

hostname   String containing a hostname or hostnames to check

Value

A logical value

Examples

```
online()
using_host("somehost.fakedomain.com")
```

---

on_bioconductor *Detect Bioconductor*

Description

Detect Bioconductor

Usage

```
on_bioconductor()
```

Value

A logical value

Examples

```
on_bioconductor()
```

---

on_cran *Detect CRAN*

Description

Detect CRAN

Usage

```
on_cran()
```

Value

A logical value

Examples

```
on_cran()
```

---

using_account | *Determine whether a given user account is being used*

Description

Determine whether a given user account is being used

Usage

```
using_account(username)
```

Arguments

username   Username to check for

Value

A logical value

Examples

```
using_account("root")
```

---

using_ci | *Detect whether running in a CI environment*

Description

using_ci() reports whether a continuous integration environment is being used.

using_appveyor() reports whether AppVeyor is being used

using_circle_ci() reports whether CircleCI is being used

using_codebuild() reports whether AWS CodeBuild is being used

using_github_actions() reports whether GitHub Actions is being used

using_gitlab_ci() reports whether GitLab CI/CD is being used

using_jenkins() reports whether Jenkins is being used

using_travis_ci() reports whether Travis CI is being used

Usage

```
using_ci(service = NULL)

using_appveyor()

using_circle_ci()

using_codebuild()

using_github_actions()

using_gitlab_ci()

using_jenkins()

using_travis_ci()
```

Arguments

service   If provided, a particular CI service is checked. If not, the commonly-used CI
            environment variable is checked.

Value

A logical value

Examples

```
using_ci()
using_appveyor()
using_circle_ci()
using_codebuild()
using_github_actions()
using_gitlab_ci()
using_jenkins()
using_travis_ci()
```

---

using_config   *Detect whether a configuration is currently active*

Description

Environment-specific configuration values can be used to alter code's behavior in different environments. The config package uses the R_CONFIG_ACTIVE environment variable to specify the active environment. If R_CONFIG_ACTIVE is not set, the "default" configuration is used.

Usage

```
using_config(config)
```

Arguments

config   Configuration name

Value

A logical value

Examples

```
# See whether the default configuration is being used
using_config("default")

# See whether the "production" configuration is being used
using_config("production")
```

---

using_container   *Detect container environments*

Description

Detect container environments

Usage

```
using_container()

using_docker_container()

using_podman_container()

using_kubernetes()
```

Value

A logical value

Examples

```
using_container()
using_docker_container()
using_podman_container()
using_kubernetes()
```

---

using_covr   *Detect covr*

Description

Detect covr

Usage

```
using_covr()
```

Value

A logical value

Examples

```
using_covr()
```

---

using_cpu   *Processor Checks*

Description

using_cpu() checks whether the machine uses the given type of processor or not.

using_x86_cpu() checks whether the machine uses an x86 processor

using_arm_cpu() checks whether the machine uses an ARM-based processor

Usage

```
using_cpu(arch = c("arm", "x86"))

using_x86_cpu()

using_arm_cpu()
```

Arguments

arch   CPU architecture name. Either "arm" or "x86".

Value

A logical value

Examples

```
using_arm_cpu()
using_x86_cpu()
using_arm_cpu()
```

---

using_databricks   *Detect Databricks Runtime Environment*

Description

Detect Databricks Runtime Environment

Usage

```
using_databricks()
```

Value

A logical value

Examples

```
using_databricks()
```

---

using_envvar   *Determine whether an environment variable is being used*

Description

Determine whether an environment variable is being used

Usage

```
using_envvar(x, value = NULL)
```

Arguments

x	Environment variable
value	Optional value to compare against

Value

A logical value

Examples

```
using_envvar("NOT_CRAN")

using_envvar("CI", "true")
```

---

using_option   *Determine whether a global option is being used*

Description

Determine whether a global option is being used

Usage

```
using_option(x, value = NULL)
```

Arguments

x	Option name
value	Optional value to compare against

Value

A logical value

Examples

```
using_option("width")

using_option("boot.parallel", value = "multicore")
```

---

using_os   *Tests for operating systems*

Description

Tests for operating systems

Usage

```
using_os(os = c("linux", "macos", "solaris", "windows"))

using_linux()

using_macos()

using_solaris()

using_windows()
```

Arguments

os   Operating system name. One of "linux", "macos", "solaris", or "windows"

Value

A logical value

Examples

```
using_os(os = "linux")
using_linux()
using_macos()
using_solaris()
using_windows()
```

---

using_rstudio   *RStudio environments*

Description

These functions enable you to determine whether code is being run in the presence of various features of the RStudio IDE.

using_rstudio() determines whether code is being run in RStudio

using_rstudio_jobs() determines whether code is running as an [RStudio Job]

using_rstudio_dark_theme() determines whether a dark theme is being used

Usage

```
using_rstudio()

using_rstudio_jobs()

using_rstudio_dark_theme()
```

Value

A logical value

Examples

```
using_rstudio()
using_rstudio_jobs()
using_rstudio_dark_theme()
```

---

using_r_version *R session information*

Description

Get information about the R environment being used.

using_r_version() determines whether or not a particular version of R is being used.

using_latest_r_version() determines whether or not the latest stable version of R is being used.

using_interactive_session() determines whether or not R is being run interactively.

Usage

```
using_r_version(ver)

using_latest_r_version()

using_interactive_session()
```

Arguments

ver   Version string

Value

A logical value

Examples

```
using_r_version(ver = "4.3.0")
using_latest_r_version()
using_interactive_session()
```

---

using_testthat *Detect testthat*

Description

Detect testthat

Usage

```
using_testthat()
```

Value

A logical value

Examples

```
using_testthat()
```

---

using_vscode | *Detect whether code is running in Visual Studio Code*

Description

Detect whether code is running in Visual Studio Code

Usage

```
using_vscode()
```

Value

A logical value

Examples

```
using_vscode()
```

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