Package: peacock (via r-universe)

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Title Quick Project Initialization with Templates

Version 0.2.0

Description Initialize project directory structures from pre-configured templates. Scaffolds for 'Shiny' applications, reproducible analyses, 'Quarto' projects, 'Python' projects, and tool comparisons are created with one function call. Arbitrary 'GitHub' repositories can also serve as templates via a built-in registry.

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Encoding UTF-8

Suggests knitr, rmarkdown, testthat (>= 3.0.0), yaml

VignetteBuilder knitr

Config/testthat/edition 3

Roxygen list(markdown = TRUE)

Imports utils

URL https://www.samuelbharti.com/peacock/r/, https://github.com/samuelbharti/peacock

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Contents

init_analysis 2
init_changelog_md 3
init_python 3
init_quarto 4
init_shiny 5
init_template 5
peacock_templates 6
tool_review_template 7

Index **8**

`init_analysis` *Initialize a reproducible analysis project*

Description

Scaffolds a tidy directory layout for a data-analysis / research project: raw and processed data, analysis notebooks, reusable R functions, and outputs.

Usage

```
init_analysis(path = getwd(), confirm = TRUE)
```

Arguments

`path`	Path where the project is created.
`confirm`	Logical. If TRUE, prompts for confirmation before creating the project (interactive sessions only).

Value

Invisibly, the `path` the project was created in.

Examples

```
init_analysis(path = tempdir(), confirm = FALSE)
```

init_changelog_md *A changelog markdown template to document project progress*

Description

A changelog markdown template to document project progress

Usage

```
init_changelog_md(path = getwd(), confirm = TRUE)
```

Arguments

path	Path where markdown file is created
confirm	Confirm path; logical input.

Value

Return markdown file in specified or current working directory

Examples

```
init_changelog_md(path = tempdir(), confirm = FALSE)
```

init_python *Initialize a Python project*

Description

Scaffolds a modern Python project (src layout) with a `pyproject.toml` configured for ruff and pytest, a starter package and test, and agent guidance. peacock stays an R package; this simply emits Python project files.

Usage

```
init_python(path = getwd(), confirm = TRUE)
```

Arguments

path	Path where the project is created. The project name is taken from the final path component; the importable module name is derived from it.
confirm	Logical. If TRUE, prompts for confirmation before creating the project (interactive sessions only).

Value

Invisibly, the `path` the project was created in.

Examples

```
init_python(path = file.path(tempdir(), "my_pkg"), confirm = FALSE)
```

`init_quarto` *Initialize a Quarto project*

Description

Scaffolds a starter Quarto project: a website, a book, or a manuscript, with a `_quarto.yml` and starter documents.

Usage

```
init_quarto(
  path = getwd(),
  type = c("website", "book", "manuscript"),
  confirm = TRUE
)
```

Arguments

`path`	Path where the project is created.
`type`	Project type: one of `"website"`, `"book"`, or `"manuscript"`.
`confirm`	Logical. If TRUE, prompts for confirmation before creating the project (interactive sessions only).

Value

Invisibly, the `path` the project was created in.

Examples

```
init_quarto(path = tempdir(), confirm = FALSE)
```

init_shiny *Initialize Shiny Project using this function*

Description

Initialize Shiny Project using this function

Usage

```
init_shiny(path = getwd(), confirm = TRUE)
```

Arguments

path	Path where shiny project template is created
confirm	Logical. If TRUE, prompts user for confirmation before creating template.

Value

Return shiny project file and directory template in current working directory.

Examples

```
## Not run:
init_shiny()

## End(Not run)
```

init_template *Initialize a project from a GitHub template repository*

Description

Downloads a template repository from GitHub and unpacks it into `path`. The template can be a built-in name (see `peacock_templates()`) or any GitHub repository given as `"owner/repo"` or `"owner/repo@ref"`.

Usage

```
init_template(
  template_name = "shiny",
  path = getwd(),
  ref = NULL,
  registry = NULL,
  confirm = TRUE
)
```

Arguments

template_name	A built-in template name (e.g. "shiny", "cgds"), or a GitHub repository as "owner/repo" / "owner/repo@ref". Defaults to "shiny".
path	Path where the project template will be created.
ref	Optional branch, tag, or commit to download. Overrides an @ref given in template_name. Defaults to the template's registry ref, or the repository's default branch (HEAD).
registry	Optional path to a custom registry file (DCF or YAML); see peacock_templates(). Defaults to the registry bundled with peacock.
confirm	Logical. If TRUE, prompts for confirmation before creating the template (interactive sessions only).

Value

Invisibly, the path the template was created in.

Examples

```
## Not run:
init_template("shiny")
init_template("owner/repo@dev", path = tempdir())

## End(Not run)
```

---

peacock_templates *List the built-in project templates*

Description

Returns the registry of curated templates that init_template() understands by short name. You can also pass any GitHub "owner/repo" (optionally "owner/repo@ref") to init_template() without it being in this registry.

Usage

```
peacock_templates(registry = NULL)
```

Arguments

registry	Optional path to a custom registry file. .dcf files are read with base R; .yaml/.yml files require the **yaml** package. Defaults to the registry bundled with peacock.

Value

A data frame of available templates with columns Name, Repo, Ref, and Description.

Examples

```
peacock_templates()
```

`tool_review_template` *Initialize a project directory structure for tool review*

Description

Initialize a project directory structure for tool review

Usage

```
tool_review_template(tool_name, tool_url, path = getwd(), confirm = TRUE, ...)
```

Arguments

`tool_name`	A vector of tool names
`tool_url`	A vector of corresponding tool URLs
`path`	Path to initial project directory
`confirm`	User confirmation enable for setup
`...`	Additional arguments (currently unused)

Value

Return project structure in specified directory

Examples

```
## Not run:
tool_review_template("abc","www.abc.com")

## End(Not run)
```

Index

init_analysis, 2
init_changelog_md, 3
init_python, 3
init_quarto, 4
init_shiny, 5
init_template, 5
init_template(), *6*

peacock_templates, 6
peacock_templates(), *5, 6*

tool_review_template, 7