

# Package: audit.base (via r-universe)

October 26, 2024

**Type** Package

**Title** Base package for Posit Checks

**Version** 0.6.19

**Description** Base package for sharing classes between posit audit packages. Unlikely to be useful as is.

**License** file LICENSE

**Imports** cli, dplyr, glue, gt, htmltools, httr, processx, purrr, R6, readr, rlang, serverHeaders, stringr, tibble, yaml

**Suggests** jsonlite, rvest, testthat (>= 3.0.0)

**Remotes** jumpingrivers/serverHeaders

**Config/testthat/edition** 3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.3.1

**Repository** <https://jumpingrivers.r-universe.dev>

**RemoteUrl** <https://github.com/jumpingrivers/audit.base>

**RemoteRef** HEAD

**RemoteSha** 99b5233e70a63e30e40708806d334e0d9ba2a5cc

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audit_posit_version	<i>Audit Posit Server</i>
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### Description

Used for side effect, i.e. printing to console

### Usage

```
audit_posit_version(posit_version, type = c("connect", "workbench", "drivers"))
```

### Arguments

posit_version	Current Posit version
type	Posit product of interest

### Examples

```
audit_posit_version("2023.03.0", type = "connect")
```

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augment_installed	<i>Augments installed software columns</i>
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### Description

Augments installed software columns

### Usage

```
augment_installed(installed, verbose = TRUE)

print_colour_versions(installed)
```

### Arguments

installed	A tibble with columns software and installed_version
verbose	Default TRUE.

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base_check	<i>Base Check Class</i>
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### Description

Base Check Class

Base Check Class

### Details

Inherited underlying base class. Shouldn't be used directly

### Super class

`audit.base::logger` -> base\_check

### Public fields

group Field for grouping tests

short Use in config.yml

context Human readable string

long A long description of the test

account Account name

### Methods

#### Public methods:

- `base_check$new()`
- `base_check$info()`
- `base_check$clone()`

**Method** `new()`: Set parameters for config file location

*Usage:*

```
base_check$new(dir = ".", file = "config-uat.yml", debug_level = 0)
```

*Arguments:*

dir directory location of the the config file

file config file name

debug\_level Value of 0, 1, or 2

**Method** `info()`: Summarise key class attributes

*Usage:*

```
base_check$info()
```

**Method** `clone()`: The objects of this class are cloneable with this method.

*Usage:*

```
base_check$clone(deep = FALSE)
```

*Arguments:*

deep Whether to make a deep clone.

---

check\_server\_headers *Check server headers*

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**Description**

In addition to the checks made by serverHeaders we also check that Posit isn't in one of the headers.

**Usage**

```
check_server_headers(server)
```

**Arguments**

server URL of server

---

check\_sys\_deps *Checking System Dependencies*

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**Description**

Many R packages require additional system dependencies. This check, obtains a list of system libraries installed on the connect server, then determines which R packages can't be installed.

**Usage**

```
check_sys_deps(os_release, installed_libs, debug_level = 0:2)
```

**Arguments**

os\_release Output from /etc/os-release  
 installed\_libs A vector of packages, e.g. output apt list --installed, or 'get\_installed\_libs()'  
 debug\_level Integer - 0, 1, 2

**Details**

Suppress parameter will be changed in a near-future MR to verbose levels

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create_config	<i>Create test config</i>
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**Description**

This function creates an example config. By default all tests are TRUE. Some RSC servers intentionally won't have some features implemented.

**Usage**

```
create_config(file, pkg_name)
```

**Arguments**

file	Config file name
pkg_name	E.g. uat.base description

**Details**

If a test is missing from the config file, it is assume to be TRUE. Therefore, the config file can be quite short and just list exceptions. If the config file is missing, then all tests are carried out.

When merging configs, we either \* merge the new with existing \* force: overwrite existing file \* error: if a config file exists, raise an error

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get_installed_libs	<i>Determines Installed Sys Libs</i>
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**Description**

Run on Posit workbench. Determines the system libs that are installed on a machine.

**Usage**

```
get_installed_libs()  
  
clean_libs(os_release, libs)
```

**Arguments**

os_release	Output from /etc/os-release
libs	A vector of installed sys deps

---

get\_posit\_versions      *Posit Versions*

---

**Description**

Returns a tibble containing the Posit version, date of release, and any associated CVEs

**Usage**

```
get_posit_versions(type = c("connect", "workbench", "drivers"), remote = TRUE)
```

**Arguments**

type	Posit product of interest
remote	Try scrapping NEWS first, but fall back to local if that fails

**Examples**

```
get_posit_versions(type = "connect")
```

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get\_quarto\_server\_header  
*Quarto Helper Functions*

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**Description**

In general not used by users.

**Usage**

```
get_quarto_server_header(out)  
get_quarto_sys_deps(out)  
get_quarto_software_versions(out)  
get_quarto_deploy(out)  
get_quarto_posit_version_msg(out, type = c("connect", "workbench", "drivers"))
```

**Arguments**

out	Output from check
type	Posit product of interest

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get_suppress	<i>Debugging helper functions</i>
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**Description**

Debugging helper functions

**Usage**

```
get_suppress(debug_level)
```

```
get_debug_level(debug_level)
```

**Arguments**

debug\_level     An integer, 0, 1, 2.

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init_r6_checks	<i>R6 Helper functions</i>
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**Description**

These functions are used by the health check function to initialise and check

**Usage**

```
init_r6_checks(dir, file, pkg_name)
```

```
init_r6_check(export, dir, file, pkg_name)
```

**Arguments**

dir	Directory of the config file
file	Config file name
pkg_name	E.g. uat.base description
export	Name of the R6 class to initialise

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logger

R6 logger class

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## Description

R6 logger class

R6 logger class

## Details

Not called directly, but is inherited by base\_check.

## Methods

### Public methods:

- `logger$start_logger()`
- `logger$stop_logger()`
- `logger$get_log()`
- `logger$clone()`

**Method** `start_logger()`: Starts the logger

*Usage:*

`logger$start_logger()`

**Method** `stop_logger()`: Stores the results of the check

*Usage:*

`logger$stop_logger(passed)`

*Arguments:*

`passed` Logical, if skipped, the NA

**Method** `get_log()`: Retrieve the log

*Usage:*

`logger$get_log()`

*Returns:* Check log

**Method** `clone()`: The objects of this class are cloneable with this method.

*Usage:*

`logger$clone(deep = FALSE)`

*Arguments:*

`deep` Whether to make a deep clone.



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`update_all_versions`    *Helper functions for updating R/Py/Quarto/Posit versions*

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**Description**

Currently this function would only be called by the package author, as it updates `inst/extdata/versions/*.csv`

**Usage**

`update_all_versions()`

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