

Package: `certeapi` (via `r-universe`)

September 15, 2024

Title A Certe R Package for Providing an Application Programming Interface

Version 0.1.6

Description A Certe R Package for providing an application programming interface (API) using 'plumber'. This package is part of the 'certedata' universe.

URL <https://certe-medical-epidemiology.github.io/certeapi>,
<https://github.com/certe-medical-epidemiology/certeapi>

Depends R (>= 4.1.0)

Imports certestats, certestyle, AMR (>= 2.0.0), plumber (>= 1.1.0),
rapidoc (>= 8.4.0), yaml (>= 2.2.0)

Suggests testthat (>= 2.0.0)

License GPL-2

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.0

Config/testthat/edition 2

Repository <https://certe-medical-epidemiology.r-universe.dev>

RemoteUrl <https://github.com/certe-medical-epidemiology/certeapi>

RemoteRef HEAD

RemoteSha 241ca44312934a957b05bf6785ed8ec82b925be3

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endpoints	<i>Overview of API Endpoints</i>
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Description

This page provides an overview of all available API endpoints and their arguments. On the API server, this information is available at {host}/__docs__/, where {host} is the API location, such as "localhost", an IP address, or DNS name.

Overview of endpoints

[GET] /esbl_prediction::

Description: Retrieve an ESBL ETEST prediction and reliability for a vector of MIC values.

Arguments:

- AMC Amoxicillin/clavulanic acid, can be left blank
- AMP Ampicillin, can be left blank
- TZP Piperacillin/tazobactam, can be left blank
- CXM Cefuroxime, can be left blank
- FOX Cefoxitin, can be left blank
- CTX Cefotaxime, can be left blank
- CAZ Ceftazidime, can be left blank
- GEN Gentamicin, can be left blank
- TOB Tobramycin, can be left blank
- TMP Trimethoprim, can be left blank
- NIT Nitrofurantoin, can be left blank
- FOS Fosfomycin, can be left blank
- CIP Ciprofloxacin, can be left blank
- IPM Imipenem, can be left blank
- MEM Meropenem, can be left blank
- COL Colistin, can be left blank

get	<i>Get File Locations</i>
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Description

Use `get_model_path()` to retrieve the prediction model path, which should be an RDS file.

Usage

```
get_api_file()
```

```
get_model_path(name, path = read_secret("api.modelpath"))
```

```
read_model(path)
```

Arguments

name	(file)name of the model
path	folder of where the models are stored

startup	<i>Start API</i>
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Description

This function starts the API server.

Usage

```
startup(port = read_secret("api.port"))
```

Arguments

port	port number
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Details

For cron on UNIX (Linux/macOS), use the following command:

```
Rscript -e "certeapi::startup()" &>> /path/api.log &
```

Use Rscript --vanilla -e to *not* load any user settings such as .Rprofile. The trailing & will make the script run in the background.

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