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getServerUrl

Returns the server url, depending on the NODE_ENV environment variable

Returns **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The server url

updateEachCertificate

Updates each certificate from the given lists
in the Web API.

Parameters

- err **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** Error
- results **Array (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array)**<**Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)**> List of certificates

Certificate

Checks the expiration date of the given certificate

Type: Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)

Parameters

- certificate **Certificate** The certificate to check the expiry date

Properties

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the certificate
- expires **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The expiry date of the certificate
- status **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** The status of the certificate

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the certificate

Certificate

Sends a reminder of the given certificate

Type: Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)

Parameters

- reminder **Reminder** The reminder object which holds the information when it expires
- certificate **Certificate** The certificate which the reminder should be sent

Properties

- type **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** The type of the reminder; either FRIENDLY (0) or UNFRIENDLY (1)
- daysLeft **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** How many days are left until the given date occurs
- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the certificate
- expires **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The expiry date of the certificate
- status **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** The status of the certificate

Certificate

Adds the given certificate to the database

Type: Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)

Parameters

- certificate **Certificate** The certificate to add to the database

Properties

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the certificate
- expires **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)?** The expiry date of the certificate
- status **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)?** The status of the certificate

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

Certificate

Returns the most important informations about the given certificate as string.

Type: Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)

Parameters

- certificate **Certificate** The certificate to display as string

Properties

- expires **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)?** The expiry date of the certificate
- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the certificate
- status **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)?** The status of the certificate

Returns **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The given certificate displayed as text with "Download ICS"-link.

Bot

Interface for a Slack Bot

Parameters

- token
- name

$onInit

Initializes the Bot

run

Runs the bot. Calls '$onInit' on this bot.

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Gets reolved when the bot started running.

Sally

Extends Bot

Controls the Slack Bot named "Sally"

$onInit

Initializes the bot. Sends reminders, if possible.

sendReminders

Sends reminders to all possible certificates

list

Returns a list of certificates

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

send

Sends a message as Sally bot to all configured channels in app.config.json. Either angry message or not angry message.
The icon changes depending if Sally is angry or not. The icons can be configured in the app.config.json

Parameters

- message **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The message to send
- angry **Boolean (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Boolean)** If Sally is angry (optional, default `false`)

CertificateController

Extends Controller

The controller is an interface for the checker-application and for
3rd party applications. This controller is mainly for certificate operations

_addCertificate

Adds or updates the given certificate and returns a url status.

Parameters

- `certificate` **Certificate** The certificate to add or update in the DB
- `res` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

run

Initializes the controller

all

Lists all certificates

Parameters

- `req` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of ExpressJS
- `res` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

delete

Removes the certificate with the given url

Parameters

- `req` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of ExpressJS
- `res` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

add

Adds or updates the certificate with the given url.
Checks the expiry date.

Parameters

- `req` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of

ExpressJS

- res **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

getICS

Returns a ICS download link from the given certificate url.

Parameters

- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of ExpressJS
- res **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

CertificateRepository

This repository is for certificate operations.

_dateToDatabaseDate

Formats the given date to a database-readable string

Parameters

- date **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The date which should get formatted

Returns **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The database-ready formatted date

all

Returns all certificates from the database

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

getCertificateByUrl

Returns the certificate with the given url from the database

Parameters

- url

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

update

Updates the certificate with the given id

Parameters

- id **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** The id of the certificate to update
- certificate **Certificate** The certificate to add to the database

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

remove

Removes the certificate with the given url

Parameters

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the certificate to remove from the database

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

addOrUpdate

Adds the given certificate, if the given url is not available yet.
Otherwise it updates it

Parameters

- certificate **Certificate** The certificate to add or update

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise with the result object of POSTGRES

CommandsController

Extends SlackController

The controller for the Slack Bot. This controllers method should always return plain text, because the Slack Bot prints the output.

_parseHostname

Parses the hostname of the given url

Parameters

- rawUrl **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url which should get parsed

Examples

```
this._parseHostname('https://www.google.com'); // google.com
this._parseHostname('https://google.com'); // google.com
this._parseHostname('google.com'); // google.com
```

remove

Removes the given url from the database

Parameters

- rawUrl **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The URL to remove
- res **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

run

Initializes the controller

list

Lists all certificates with their expiry date and the ICS download link

Parameters

- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of ExpressJS
- res **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

add

Adds the given url to the database

Parameters

- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object of ExpressJS
- res **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The result object of ExpressJS

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Promise of the operation

Database

The adapter for the POSTGRES database connection

run

Start the database client

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** If it is finished connection or not.

getICSByCertificate

Generates an ICS string

Parameters

- `certificate` **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The certificate from the database to generate the ICS string from

    - `certificate.url` **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The certificate url
    - `certificate.expires` **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The certificate expiry date

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** Returns the promise of the ICS event

Reminder

Returns if it should remind the given date.
The reminder dates are configured in the app.config.json

Type: Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)

Parameters

- `date` **Date (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date)** The date of which the final date is.

Properties

- `type` **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** The type of the reminder; either FRIENDLY (0) or UNFRIENDLY (1)
- `daysLeft` **Number (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Number)** How many days are

left until the given date occurs

Returns **Reminder** The reminder object which inclus when and how the reminder is

REMINDER_TYPES

The types of reminder. Either FRIENDLY (0) or UNFRIENDLY (1)

FRIENDLY

A friendly reminder type

UNFRIENDLY

An unfriendly reminder type

Server

Represents the Slack Web Server

start

Runs the ExpressJS server

Returns **Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** The promise when the server started

Controller

Represent an ExpressJS controller

Parameters

- app

SlackController

Extends Controller

_getChalkedMethod

Returns the given HTTP-method in color

Parameters

- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The method to colorize

Returns **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The given HTTP-method in color using chalk

_logOperation

Logs the operations

Parameters

- operation **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The URL operation
- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object from ExpressJS
- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The HTTP-Method

Examples

```
this._logOperation('/api/command/add', req, 'POST');
```

_logError

Logs the error

Parameters

- operation **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The URL operation
- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The HTTP-Method
- err **Error (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Error)** The error object
- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object from ExpressJS

Examples

```
this._logError('/api/command/add', 'POST', err, req);
```

post

Adds a POST-route

Parameters

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the route
- callback **function (Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object), Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)): Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** The callback

Examples

```
this.post(`/api/command/list`, (req, res) => this.list(req, res));
```

get

Adds a GET-route

Parameters

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the route
- callback **Function (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/function)** The callback

Examples

```
this.get(`/api/command/list`, (req, res) => this.list(req, res));
```

SlackController

Extends Controller

Represent an ExpressJS controller for Slack

_getChalkedMethod

Returns the given HTTP-method in color

Parameters

- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The method to colorize

Returns **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The given HTTP-method in color using chalk

_logOperation

Logs the operations

Parameters

- operation **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The URL operation
- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object from ExpressJS
- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The HTTP-Method

Examples

```
this._logOperation('/api/command/add', req, 'POST');
```

_logError

Logs the error

Parameters

- operation **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The URL operation
- method **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The HTTP-Method
- err **Error (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Error)** The error object
- req **Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)** The request object from ExpressJS

Examples

```
this._logError('/api/command/add', 'POST', err, req);
```

post

Adds a POST-route

Parameters

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the route
- callback **function (Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object), Object (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object)): Promise (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise)** The callback

Examples

```
this.post(`/api/command/list`, (req, res) => this.list(req, res));
```

get

Adds a GET-route

Parameters

- url **String (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/String)** The url of the route
- callback **Function (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/function)** The callback

Examples

```
this.get(`/api/command/list`, (req, res) => this.list(req, res));
```