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TRUSTID

Intelligent and Continuous Online Student Identity Management for
Improving Security and Trust in European Higher Education Institutions

TRUSTID Application Programming Interface

The endpoints for interacting with the TRUSTID server

Contact Info: admin@cognitiveux.com

Version: v1

BasePath: /backend

BSD License

<http://apache.org/licenses/LICENSE-2.0.html>

***Note:** Response bodies that return the same type are grouped together. For example, the status codes 405, 415, and 500 have the same response body as status code 401, hence, they are represented by the response body of status code 401.*

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1. APIKey KeyParamName:Authorization KeyInQuery:false KeyInHeader:true

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Biometrics

Up

[POST /biometrics/face_register](#)

(**biometricsFaceRegisterCreate**)

Generates the face model based on the images provided by the student

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [BiometricsFaceRegister](#) (required)

Body Parameter –

Return type

[Response body for status code 200](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST `/biometrics/face verify`

(`biometricsFaceVerifyCreate`)

Verifies the provided image based on the student's face model

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [BiometricsFaceVerify](#) (required)

Body Parameter –

Return type

[Response body for status code 200](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/interaction/test

(biometricsInteractionTestCreate)

The view that handles the testing of the interaction-based biometrics

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsInteractionTest](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/interaction/train
(biometricsInteractionTrainCreate)

The view that handles the training of the interaction-based biometrics

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [BiometricsInteractionTrain](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /biometrics/list

(biometricsListList)

Returns which biometric models have been registered by the student

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[inline_response_200](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/monitoring/

(biometricsMonitoringCreate)

The view that handles the monitoring of the biometrics

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/x-www-form-urlencoded
- multipart/form-data

Form parameters

voice_base64 (required)

Form Parameter –

voice_emb_data (required)

Form Parameter –

src (required)

Form Parameter –

running_processes (required)

Form Parameter –

ip_address (required)

Form Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST `/biometrics/monitoring_face/`

(`biometricsMonitoringFaceCreate`)

Monitoring of face biometrics during examination

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [BiometricsMonitorFace](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/monitoring face oral/
(biometricsMonitoringFaceOralCreate)

Monitoring of face biometrics during examination

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsMonitorFaceOral](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /biometrics/push_notification

(biometricsPushNotificationList)

Returns which biometric models have been registered by the student

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Return type

[Response body for status code 200_2](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200_2](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

POST /biometrics/register

(biometricsRegisterCreate)

The view that handles the creation of the biometric models

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/x-www-form-urlencoded
- multipart/form-data

Form parameters

biometric_type (required)

Form Parameter –

voice_base64 (required)

Form Parameter –

src (required)

Form Parameter –

Return type

[Biometrics](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

[Biometrics](#)

GET /biometrics/server_status

(biometricsServerStatusList)

Returns the status of the server (whether the server temporarily has the Face, Voice, and Handwriting biometric models)

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[Response body for status code 200_3](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_3](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/unregister

(biometricsUnregisterCreate)

The view that handles the deletion of the biometric models

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsUnregister](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found or Biometric not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/verify

(biometricsVerifyCreate)

The view that handles the creation of the biometric models

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/x-www-form-urlencoded
- multipart/form-data

Form parameters

biometric_type (required)

Form Parameter –

voice_base64 (required)

Form Parameter –

src (required)

Form Parameter –

monitoring_type (required)

Form Parameter –

Return type

[Response body for status code 200_4](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_4](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/wallet/face

(biometricsWalletFaceCreate)

Returns the face biometric model registered by the student to the trustid-wallet mobile app

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [BiometricsWalletFace](#) (required)

Body Parameter –

Return type

[inline_response_200_1](#)

Example data

Content-Type: `application/json`

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [inline_response_200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404_1](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/wallet/handwriting

(biometricsWalletHandwritingCreate)

Returns the handwriting biometric model registered by the student to the trustid-wallet mobile app

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsWalletHandwriting](#) (required)

Body Parameter –

Return type

[inline_response_200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404_1](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/wallet/send

(biometricsWalletSendCreate)

The view that handles the creation of the biometric models

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsWalletSend](#) (required)

Body Parameter –

Return type

[Response body for status code 200_5](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_5](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404_2](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /biometrics/wallet/status

(biometricsWalletStatusList)

Returns the status of the wallet (whether the wallet requested Face or Voice or Handwriting biometric model)

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[Response body for status code 200_3](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_3](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /biometrics/wallet/voice

(biometricsWalletVoiceCreate)

Returns the voice biometric model registered by the student to the trustid-wallet mobile app

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [BiometricsWalletVoice](#) (required)

Body Parameter –

Return type

[inline_response_200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404_1](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Instructor

Up

POST /instructor/add_exam

(instructorAddExamCreate)

The view that allows instructors to add examinations

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [AddExam](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /instructor/list_exam

(instructorListExamList)

Returns the details of examinations created by the instructor

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[inline_response_200_2](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200_2](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /instructor/manual_approve_student
(instructorManualApproveStudentCreate)

The view that allows instructors to manually approve students.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [InstructorManualApproveStudent](#) (required)

Body Parameter –

Return type

[Response body for status code 200_6](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_6](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found or Examination not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /instructor/moodle information
(instructorMoodleInformationList)

The view that allows instructors to get Moodle courses and students.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[inline_response_200_3](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200_3](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /instructor/sync_courses_exams

(instructorSyncCoursesExamsCreate)

The view that allows instructors to synchronize courses with examinations.

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [InstructorSyncCoursesExams](#) (required)

Body Parameter –

Return type

[Response body for status code 200_6](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200_6](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found or Examination not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /instructor/update_exam_details

(instructorUpdateExamDetailsCreate)

The view that allows instructors to update the details of examinations

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [UpdateExam](#) (required)

Body Parameter –

Return type

[Response body for status code 200_6](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_6](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found or Examination not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Login

Up

POST /login

(loginCreate)

Creates a JSON Web Token if the provided credentials are correct

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [Login](#) (required)

Body Parameter –

Return type

[Response body for status code 201](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

JSON Web Token has been created successfully. The value is returned in `resource_obj`. [Response body for status code 201](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Monitoring

Up

POST /monitoring/

(`monitoringCreate`)

The view that handles the monitoring of the running processes on the student's device

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [Monitoring](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

RefreshToken

Up

POST /refresh_token

(refreshTokenCreate)

Uses the longer-lived refresh token to obtain another access token

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [RefreshToken](#) (required)

Body Parameter –

Return type

[Response body for status code 404](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

JSON Web Token has been created successfully. The value is returned in `resource_str`. [Response body for status code 404](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400_1](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

RegisterUser

Up

POST /register_user

(registerUserCreate)

Creates a new Trustid user instance

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [RegisterUser](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Student

POST /student/check_verification_status

(studentCheckVerificationStatusCreate)

The view that allows students to poll for their verification status.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [StudentCheckVerificationStatus](#) (required)

Body Parameter –

Return type

[Response body for status code 200_7](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_7](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found or Examination not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /student/checkup_process

(studentCheckupProcessCreate)

Returns the list of processes that are not allowed to run in the student's device

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [StudentCheckupProcess](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /student/identification

(studentIdentificationCreate)

Returns the details of the student identified based on the image received

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [StudentIdentification](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

GET /student/list_exam

(studentListExamList)

Returns the details of the examinations in which the student has been enrolled

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[inline_response_200_4](#)

Example data

Content-Type: application/json

```
{"empty": false}
```


Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Success [inline_response_200_4](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST `/student/request_manual_approval`

(`studentRequestManualApprovalCreate`)

Allows the student to request from the instructor to manually approve their identity for the given exam ID.

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

data [StudentRequestManualApproval](#) (required)

Body Parameter –

Return type

[Response body for status code 200_6](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_6](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

User not found or Examination not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

Up

POST /student/submit_feedback
(studentSubmitFeedbackCreate)

The view that handles the monitoring of the running processes on the student's device

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [StudentSubmitFeedback](#) (required)

Body Parameter –

Return type

[Response body for status code 200_6](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_6](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

404

Examination not found or User not found [Response body for status code 404_3](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

TrustidVersion

Up

GET /trustid_version

(trustidVersionList)

Returns the versions of Trustid applications

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Return type

[inline_response_200_5](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [inline_response_200_5](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

UpdateExamCondition

Up

POST /update_exam_condition

(updateExamConditionCreate)

The view that allows instructors to start an examination

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

data [ExamConditionUpdate](#) (required)

Body Parameter –

Return type

[Response body for status code 200_1](#)

Example data

Content-Type: application/json

```
{"empty": false}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Success [Response body for status code 200_1](#)

400

Bad request (Invalid data) - Any missing, already existing or bad formatted fields will be returned [Response body for status code 400](#)

401

Unauthorized - The request lacks valid authentication credentials. [Response body for status code 401](#)

403

Forbidden. You are not allowed to access this resource. [Response body for status code 401](#)

404

Examination not found or User not found [Response body for status code 404](#)

405

Method not allowed [Response body for status code 401](#)

415

Unsupported media type [Response body for status code 401](#)

500

Internal server error [Response body for status code 401](#)

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AddExam - [Up](#)

additional_material (optional)

Boolean

duration

Integer

exam_type

String

Enum:

Oral

Written

name

String

privacy_policy

String

scheduled_date

Date format: date-time

Biometrics -[Up](#)

biometric_type

String

Enum:

Face

Voice

Handwriting

voice_base64

String

src (optional)

String format: uri

BiometricsFaceRegister -[Up](#)

image

String

operating_sys (optional)

String

BiometricsFaceVerify -[Up](#)

image

String

exam_id

Integer

operating_sys (optional)

String

BiometricsInteractionTest -[Up](#)

testing_dataset

String

BiometricsInteractionTrain -[Up](#)

training_dataset

String

BiometricsMonitorFace -[Up](#)

image

String

exam_id

Integer

operating_sys (optional)

String

BiometricsMonitorFaceOral -[Up](#)

image

String

exam_id

Integer

ip_address

String

running_processes

String

operating_sys (optional)

String

BiometricsUnregister -[Up](#)

biometric_type

String

Enum:

Face

Voice

Handwriting

BiometricsWalletFace -[Up](#)

expoPushToken

String

BiometricsWalletHandwriting -[Up](#)

expoPushToken*String*BiometricsWalletSend -[Up](#)**face_embeddings***String***voice_embeddings***String***handwriting_embeddings (optional)***String*BiometricsWalletVoice -[Up](#)**expoPushToken***String*ExamConditionUpdate -[Up](#)**condition***String***Enum:***Join**Leave**Start***exam_id***Integer*InstructorManualApproveStudent -[Up](#)**exam_id***Integer***email***String* format: emailInstructorSyncCoursesExams -[Up](#)**details**[Students details to sync](#)Login -[Up](#)

email

String

password

String

organization

String

Enum:

UC

UCY

UPAT

Monitoring - [Up](#)

exam_id

Integer

running_processes (optional)

String

is_face_detected (optional)

Boolean

is_multiple_face_results (optional)

Boolean

face_rec_result (optional)

String

confidence_score (optional)

BigDecimal

is_error_occurred (optional)

Boolean

error_type (optional)

String

is_voice_detected (optional)

Boolean

is_voice_verified (optional)

Boolean

voice_confidence_score (optional)

BigDecimal

is_voice_error_occurred (optional)

Boolean

error_type_voice (optional)

String

RefreshToken -[Up](#)

refresh

String

access (optional)

String

RegisterUser -[Up](#)

email

String format: email

name

String

organization

String

Enum:

UC

UCY

UPAT

password

String

role

String

Enum:

INSTRUCTOR

STUDENT

surname

String

Response body for status code 200 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

resource_bool (optional)

Boolean A boolean value associated with the name of the resource

extra_details (optional)

String Extra details regarding the resource

Response body for status code 200_1 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Response body for status code 200_2 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

resource_array (optional)

array[String] An array with all the available data

Response body for status code 200_3 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

resource_dict (optional)

Object A dictionary result with all the available data

Response body for status code 200_4 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

is_match (optional)

Boolean A boolean value associated with the voice verification

is_voice_detected (optional)

Boolean A boolean value associated with the voice detection

Response body for status code 200_5 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

face

voice

resource_array (optional)

array[String] An array with all the available data

Response body for status code 200_6 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

examination

Response body for status code 200_7 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

examination

resource_bool (optional)

Boolean A boolean value associated with the name of the resource

Response body for status code 201 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

resource_obj (optional)

Object A dictionary that contains the JWT in the form of key-value pairs. The key `access` is a string that corresponds to the JWT access token and the key `refresh` is a string that corresponds to the JWT refresh token.

Response body for status code 400 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

bad_formatted_fields (optional)

array[String] Any field that is not in the correct format will be returned in the list

missing_required_fields (optional)

array[String] The missing required fields are returned as a list

already_exists_fields (optional)

array[String] Any field that is unique and already exists, will be returned in the list

error_details (optional)

Object A dictionary that contains descriptive information about the validation errors in the form of key-value pairs. Each key is a string that corresponds to the problematic field and the associated value is a list of strings that contains the error details. If a JSON parse error occurred, there will be only one key named `json`.

Response body for status code 400_1 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

bad_formatted_fields (optional)

array[String] Any field that is not in the correct format will be returned in the list

missing_required_fields (optional)

array[String] The missing required fields are returned as a list

error_details (optional)

Object A dictionary that contains descriptive information about the validation errors in the form of key-value pairs. Each key is a string that corresponds to the problematic field and the associated value is a list of strings that contains the error details. If a JSON parse error occurred, there will be only one key named `json`.

Response body for status code 401 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

Response body for status code 404 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

resource_str (optional)

String A string value associated with the resource_name

Response body for status code 404_1 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

token

resource_str (optional)

String A string value associated with the resource_name

Response body for status code 404_2 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

face

voice

resource_str (optional)

String A string value associated with the resource_name

Response body for status code 404_3 -[Up](#)

Following keys are returned as json

message (optional)

String A general message description

resource_name (optional)

String The name of the resource

Enum:

user

examination

resource_str (optional)

String A string value associated with the resource_name

StudentCheckVerificationStatus -[Up](#)

exam_id

Integer

StudentCheckupProcess -[Up](#)

running_processes

array[String]

StudentIdentification -[Up](#)

exam_id

Integer

identification_result

String

StudentRequestManualApproval -[Up](#)

exam_id

Integer

manual_approval_type

String

StudentSubmitFeedback -[Up](#)

cheat_mode

String

Enum:

Communication

Impersonation

exam_id

Integer

feedback

String

Students details to sync -[Up](#)

exam_id

Integer

students

array[Students details to sync_students]

Students details to sync_students -[Up](#)

name (optional)

String

surname (optional)

String

email (optional)

String

UpdateExam -[Up](#)

additional_material (optional)

Boolean

duration

Integer

exam_id

Integer

exam_type

String

Enum:

Oral

Written

privacy_policy

String

scheduled_date

Date format: date-time

`inline_response_200` -[Up](#)

message (optional)

String A general message description

resource_array (optional)

array[String] The list of biometrics registered for this user. Any of ['Face', 'Voice', 'Handwriting']

resource_name (optional)

String The name of the resource

resource_dict (optional)

[*inline_response_200_resource_dict*](#)

`inline_response_200_1` -[Up](#)

message (optional)

String A general message description

resource_array (optional)

array[String] The list of biometrics registered for this user. Any of ['Face', 'Voice', 'Handwriting']

resource_name (optional)

String The name of the resource

`inline_response_200_2` -[Up](#)

message (optional)

String A general message description

resource_array (optional)

[*array\[inline_response_200_2_resource_array\]*](#)

resource_name (optional)

String The name of the resource

`inline_response_200_2_enrolled_students` -[Up](#)

alerts (optional)

String The alerts detected for the individual.

email (optional)

String The email of the individual

name (optional)

String The name of the individual

surname (optional)

String The surname of the individual

verification_status (optional)

String The status of the verification

Enum:

Pending

Requested Manual Approval

Verified

inline_response_200_2_resource_array -[Up](#)

enrolled_students (optional)

[array\[inline_response_200_2_enrolled_students\]](#) The list of students' emails enrolled for this examination

exam_id (optional)

String The ID of the examination

name (optional)

String The name of the examination

status (optional)

String The status of the examination

scheduled_date (optional)

String The scheduled date of the examination

privacy_policy (optional)

String The privacy policy of the examination

inline_response_200_3 -[Up](#)

message (optional)

String A general message description

resource_array (optional)

[array\[inline_response_200_3_resource_array\]](#)

resource_name (optional)

String The name of the resource

`inline_response_200_3_enrolled_students` -[Up](#)

name (optional)

String The name of the individual

surname (optional)

String The surname of the individual

email (optional)

String The email of the individual

`inline_response_200_3_resource_array` -[Up](#)

enrolled_students (optional)

[*array\[inline_response_200_3_enrolled_students\]*](#) The list of students' emails enrolled for this examination

moodle_course_id (optional)

String The Moodle course ID

moodle_course_name (optional)

String The Moodle course name

`inline_response_200_4` -[Up](#)

message (optional)

String A general message description

resource_array (optional)

[*array\[inline_response_200_4_resource_array\]*](#)

resource_name (optional)

String The name of the resource

`inline_response_200_4_resource_array` -[Up](#)

exam_id (optional)

String The ID of the examination

name (optional)

String The name of the examination

status (optional)

String The status of the examination

scheduled_date (optional)

String The scheduled date of the examination

privacy_policy (optional)

String The privacy policy of the examination

inline_response_200_5 -[Up](#)

message (optional)

String A general message description

resource_dict (optional)

[*inline_response_200_5_resource_dict*](#)

resource_name (optional)

String The name of the resource

inline_response_200_5_resource_dict -[Up](#)

server_version (optional)

BigDecimal The version of the backend server

windows_version (optional)

BigDecimal The version of Windows app

macos_version (optional)

BigDecimal The version of MacOS app

timestamp (optional)

BigDecimal The current server's timestamp

inline_response_200_resource_dict -[Up](#)

Face (optional)

String

Voice (optional)

String

Handwriting (optional)

String