InstantCard Credential Verification Service (C.V.S.)

Application Program Interface (API)

Documentation

The document provides details on the API to the CVS service, allowing authorized websites and programs to communicate directly with the CVS data base.

The service uses standard REST/JSON protocols.

For test/development purposes, an interactive version of the API can be found at:
`http://cvs.instantcard.net/api_test.`
You will need to have an authorized account in the CVS system to use this service.

There are currently four commands available, detailed below:

1. Login – to authenticate a user

2. Create User – to upload a new user into the CVS data base

3. Create Credential – to upload a new credential to the CVS DB

4. Create Qualification – to upload a new qualification to the CVS DB

LOGIN

Path
`http://cvs.instantcard.net/api/login`

Type
`POST`

Parameters

The following parameters are required:
```
email - user's email
password - user's password
```

Sample Call:

```
curl -X POST -H "Content-Type: application/json" -d '{ "email":
"user@example.com", "password": "123456" }' http://
cvs.instantcard.net/api/login
```

Sample Responses:

> `{"code":200,"access_token":"75121e92186a71c8f53f349b881f4089"}`
> Email/password combination is correct.
> Use the token provided for subsequent API calls.
>
> `{"code":401,"message":"Incorrect Login/Password"}`
> Email/password combination is incorrect

CREATE USER

Path
`http://cvs.instantcard.net/api/v1/users`

Type
`POST`

Parameters

The following parameters are required:

> `access_token` – authentication token
> `employee_id_number` – unique user ID number for new user
> `first_name` – first name of user being created
> `last_name` – last name of user being created

The following parameters are optional:

> `title` – string, user's title
> `date_of_birth` – format date as MM/DD/YYYY (12/17/2015)
> `date_of_hire` – format date as MM/DD/YYYY (12/17/2015)
> `file` – User's photo attachment (.jpg image file)

Note:
All parameters except of 'access_token' should be placed inside of the 'user' parameter:

> `{user: {employee_id_number: '12345', first_name: 'John',`
> `last_name: 'Smith', title: 'Supervisor', date_of_birth: '2/5/1985'}}`

Return Codes:

200	Credential accepted
401	Unauthorized Access (blank/wrong token) or Token expired (need to re-login)
422	Employee ID Number or other field required; or Employee ID already in use

Sample call:

```
curl -X POST
-F "access_token=47ab96bdd7875906e332d71e7e2c1961"
-F "user[first_name]=Henry"
-F "user[last_name]=Ford"
-F "user[employee_id_number]=123456"
-F "user[file]=@/Users/Edward/Downloads/doGmMqldj84.jpg"
http://cvs.instantcard.net/api/v1/users
```

Sample Responses:

```
{"code":200,"message":"OK","cvs_record_no":"3291"}
```
OK, user has been created in CVS data base
```
{"code":422,"message":"Provide first_name"}
```
   missing 'first_name' (or other required variable)
```
{"code":422,"message":"employee_id_number already in use"}
```
   User ID already exists in DB

Notes:

The returned `cvs_record_no` can be used to review the recently created user in CVS web-site via url:
`http://cvs.instantcard.net/users/<cvs_record_no>`

Note that in the requests below, the `employee_id_number` parameter is used to determine the unique user, not the `cvs_record_no`.

CREATE CREDENTIAL

Path
`http://cvs.instantcard.net/api/v1/credentials`

Type
`POST`

Parameters

The following parameters are required:

```
access_token — authentication token
employee_id_number — user for whom credential is being created
```

The following parameters are optional:

```
name — string, name of credential
acquire_date — format date as MM/DD/YYYY (12/17/2015)
expire_date — format date as MM/DD/YYYY (12/17/2015)
verified — true/false (Boolean)
displayed — true/false (Boolean)
file — credential attachment (image file — either .jpg or .pdf)
```

Note:

All parameters except of 'access_token' should be placed inside of the 'credential' parameter:

```
{credential: {name: 'XYZ Training', acquire_date: '2/5/2012'}}
```

Return Codes:

200	Credential accepted
401	Unauthorized Access (blank/wrong token) or Token expired (need to re-login)
404	User not found
422	Employee ID Number required

Sample call:

```
curl —X POST —F "credential[employee_id_number]=6012" —F
"access_token=75121e92186a71c8f53f349b881f9999" —F
"credential[name]=XYZ Training Certificate" —F
"credential[file]=@/Users/Username/Downloads/doGmMqldj84.jpg"
http://cvs.instantcard.net/api/v1/credentials
```

Sample Responses:

```
{"code":200,"message":"OK","id":"3291"}
```
OK, id could be used to find record on CVS web-site
```
{"code":422,"message":"user: can't be blank"}
```
missing 'employee_id_number'

CREATE QUALIFICATION

Path
http://cvs.instantcard.net/api/v1/qualifications

Type
POST

Parameters

The following parameters are required:
  access_token – authentication token
  employee_id_number – user for whom qualification is being created

The following parameters are optional:
  name – string, name of qualification
  q_date – format date as MM/DD/YYYY (12/17/2015)
  verified – true/false (Boolean)

Note:
All parameters except of 'access_token' should be placed inside of the 'qualification' parameter:
  {qualification: {name: 'Site Orientation', q_date: '2/5/2015', employee_id_number: '23232'}}

Return Codes:

200	Credential accepted
401	Unauthorized Access (blank/wrong token) or Token expired (need to re-login)
404	User not found
422	Employee ID Number required

Sample call:

curl –X POST –H "Content-Type: application/json" –d '{"access_token": "75121e92186a71c8f53f349b881f9999", "qualification": {"name": "Site Orientation", "q_date": "2/5/2015", "employee_id_number": "251"}}' http://cvs.instantcard.net/api/v1/qualifications

Sample Responses:
  {"code":200,"message":"OK","id":"3291"}
  OK, id could be used to find record on CVS web-site

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{"code":404,"message":"User not found"}
user with provided 'employee_id_number' can't be found in data base
{"code":422,"message":"Provide employee_id_number;"}
missing 'employee_id_number' (similar message for any other required parameter)

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