Smart Office API Documentation Version 1.0.4



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OVERVIEW

a) All the api is published on postman at the below link <u>SmartOffice API (getpostman.com)</u>

b) Prerequisites

Below are the following details required to access Smart Office API's.

- Smart Office Web Application.
- Smart Office database.

This can be used in variety of Languages to access REST API's like .Net, JAVA etc.

c) Support

In case for any clarifications, Please get in touch with the API Support with SmartOffice team

SPECIFICATIONS

The API uses Http Requests to receive data and send responses in **JSON** format.

a) API Request:

An API request lets you contact a server with API endpoints that you want to reach and perform some action. Those actions are HTTP methods.

b) API Response:

An API response consists of the body, headers, and the status code.

c) API Exception:

if there is an exception during the processing of the request then the application will send the response in the following

WEB API'S

This Section describes various web service methods available for Biometric communication

a) Add Biometric Device

POST /api/v2/WebAPI/AddBiometric

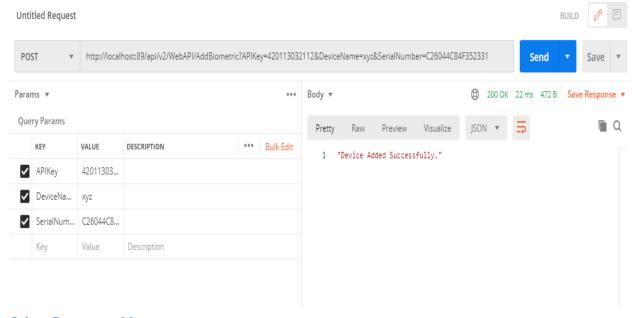
Add new Biometric Device to Smart Office

Request JSON Object

- APIKey (String): Authentication -token key.
- DeviceName (String): Name of the device.
- SerialNumber (String): A unique identity Id of the biometric.

Response:

• Message: "Device Added Successfully."



Other Response Messages:

- "Device Name is already exists": Device with the Name given is already exists in the database
- "Device SerialNumber is already exists": Device with the Serial Number given is already exists in the database

b) Delete Biometric Device

GET /api/ v2/WebAPI/DeleteBiometric

To Delete Biometric Device from Smart Office

Request JSON Object

- APIKey (String): Authentication-token key.
- SerialNumber (String): A unique identity Id of the biometric.

Response:

Message: "Biometric Deleted Successfully."



Error Messages -

- "Device Is Not Exists." if the mention Device Serial Number is wrong
- "Device Logs exists for this device, You can not delete" if the Punch Records for the Device is exists

c) Fetch Biometric Logs Data

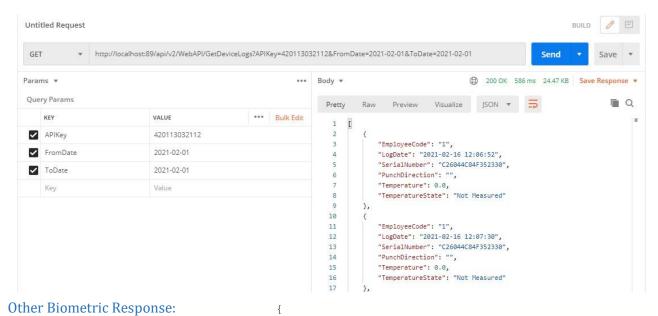
GET /api/v2/WebAPI/ GetDeviceLogs

To get Biometric log data from Smart Office database.

Request JSON Object

- APIKey (String): Authentication-token key.
- FromDate (DateTime): from when the logs to be send.
- ToDate (DateTime): until when the logs to be send.

Response JSON data:



"status": false, "message": "Serial Number does not exist." } { status: false, message: "Invalid API Key."

}

d) Upload Users to Biometric Device

POST /api/v2/WebAPI/UploadUser

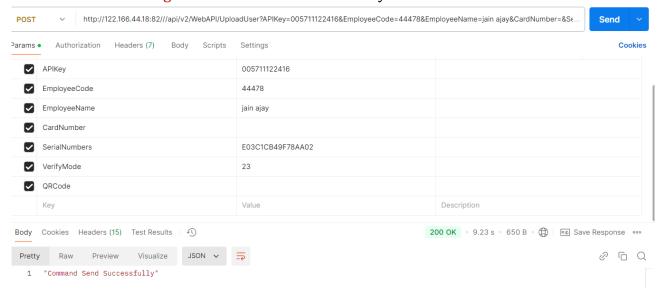
To upload User into Biometric Device from Smart Office

Request JSON Object

- APIKey (String): Authentication-token key.
- EmployeeName (String): Name of the Employee/User.
- EmployeeCode (String): Biometric Code of the Employee/User.
- CardNumber (String): Card Number of user.
- SerialNumber (String): To which Biometric device Serial Number User has to be uploaded, Use Comma (,) to separate multiple serial numbers.
- QRCode (String) Enter the QRCode Value for the user
 VerifyMode (String): To Allow dual verification mode -(face+card) This will add face & card verification mode. User VerifyMode as 23 for QRCode Upload
- IsFaceUpload Pass it as true if you want to upload the face
- IsFPUpload pass it true if you want to upload Fingerprint
- IsCardUpload pass true if you want to upload password
- IsBioPasswordUpload pass true if you want to upload password

Response:

Message: "Command Send Successfully."



- Device is not exists.
- API key is not correct

e) Delete Users from Biometric Device

POST /api/v2/WebAPI/DeleteUser

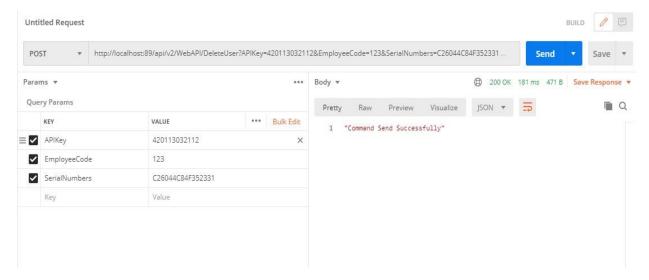
To Delete User from Biometric Device using Smart Office

Request JSON Object

- APIKey (String): Authentication-token key.
- EmployeeCode (String): Biometric Code of the Employee/User.
- SerialNumber (String): To which Biometric device Serial Number User has to be deleted, Use Comma (,) to separate multiple serial numbers.

Response:

Message: "Delete Command Send Successfully."



Other Response Messages

- Device is not exists.
- API key is not correct

f) Fetch Live Users from Biometric

GET /api/v2/WebAPI/FetchLiveUsersFromBiometric

To fetch live Users from Biometric Device using Smart Office

Request JSON Object

- APIKey (String): Authentication-token key.
- SerialNumber (String): To which Biometric device Serial Number live User has to be fetched.

Response:

```
[
{
"EmployeeCode": "01",
"FPCount": "1",
"Privilege": "USER"
}
]
```

Other Response Messages

- Device is not exists.
- API key is not correct

g) Set User Expiration

GET /api/v2/WebAPI/SetUserExpiration

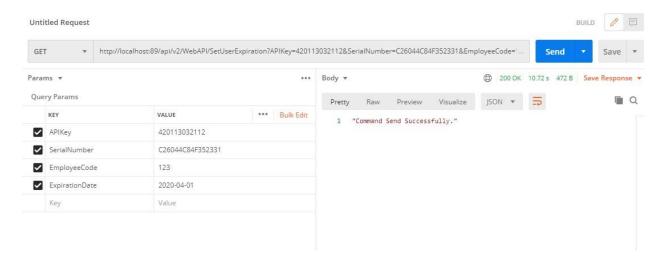
To set the expiration rule of the Biometric User in Device using Smart Office

Request JSON Object

- APIKey (String): Authentication-token key.
- SerialNumber (String): Biometric Serial Number, If Set as 0 then it will execute all on Biometric devices.
- EmployeeCode (String): Biometric Code of the Employee/User.
- ExpirationDate (String): Expiration date of the User and the Format will be (yyyy-MM-dd).

Response:

Message: "Command Send Successfully."



Other Response Messages

- Device is not exists.
- API key is not correct

h) Fetch Biometric Commands

GET /api/WebAPI/GetDeviceCommands

To get and check the status of the commands issued by the user in the device.

Request Query String

- APIKey (String): Authentication-token key.
- FromDate (DateTime): From when the commands need to fetched.
- ToDate(DateTime): Till when the commands need to be fetched.
- SerialNumbers: this is optional parameters if you want to get the records of the specific devices then pass the comma separated serial number for example C2688C21CB2D172711,ADZV213760072

Response:

```
{
  "status": "success",
  "message": "",
  "records": [
    {
      "Title": "Get All Users from Biometric -MUM_BKC",
```

```
"DeviceCode": "MUM_BKC",

"SerialNumber": "C2689C47030A2334",

"CreationDate": "2020-11-05 15:08",

"ExecutionDate": "1900-01-01 00:00",

"Status": "Pending",

"Response": ""

}],

"result": true
}
```



Other Response Messages

}

From Date cannot be greater than To Date.
 "status": "failure",
 "message": "From Date [05-Nov-2020] cannot be greater than To Date [01-Nov-2020],
 "records": [],
 "result": false

i) Photo Registration

POST /api/WebAPI/PhotoUploadInBiometric

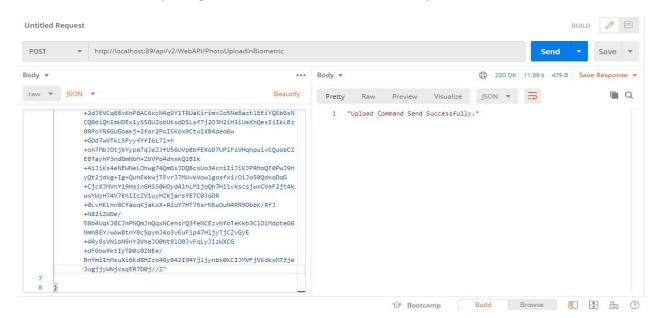
To register user using base64 image into the biometric.

Request JSON Object

- APIKey (String): Authentication-token key.
- SerialNumber (string): Serial Number of the Biometric.
- EmployeeName(string): Name of the Employee.
- EmployeeCode(string): Employee Biometric Code from which the user need to be get registered.
- Base64String(string): base64 data of the registration image.

Response:

Message: "Upload Command Send Successfully."



Other Response Messages

- Serial Number cannot be blank.
- EmployeeCode cannot be blank.
- EmployeeName cannot be blank.
- Base64String cannot be blank.
- API key is not correct

j) Block/unblock Users

GET /api/WebAPI/BlockUserinBiometric

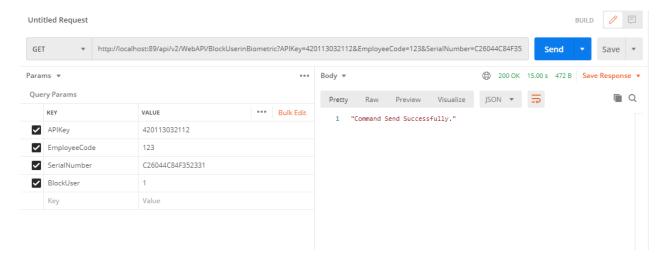
To register user using base64 image into the biometric.

Request JSON Object

- APIKey (String): Authentication-token key.
- EmployeeCode(string): Employee Biometric Code from which the user need to be block/unblock.
- SerialNumber (string): Serial Number of the Biometric.
- BlockUser (int): 0 to block the user, 1 to unblock the user.

Response:

Message: "Command Send Successfully.



Other Response Messages

- Biometric device not exist with the Serial Number
- API key is not correct

Note - There are very few models which support this command, make sure to cross check whether respective models supports this command or not from the seller.

k) Add/Update Employee

GET /api/v2/WebAPI/AddEmployee

To add/update Employee details in the application.

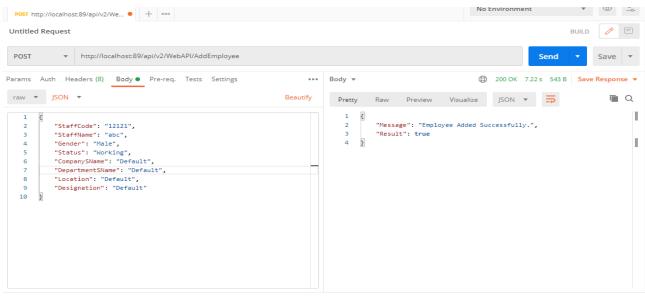
```
Request JSON Object
```

```
"StaffCode":"12121",
    "StaffName":"abc",
    "Gender":"Male",
    "Status":"Working",
    "CompanySName":"Default",
    "DepartmentSName":"Default",
    "Location":"Default",
    "Designation":"Default",
    "Grade":"Default",
    "Team":"Default",
    "DOJ":"2021-04-28",
    "DOC":"2021-09-15",
    "DOB":"1987-06-01",
    "DOR":"3000-01-01"
```

Note - All the Date format like DOJ,DOC,DOB,DOR should be in yyyy-MM-dd format

Response:

```
"Message":"Employee Added Succesfully",
"Result":true
}
```



l) Delete Employee

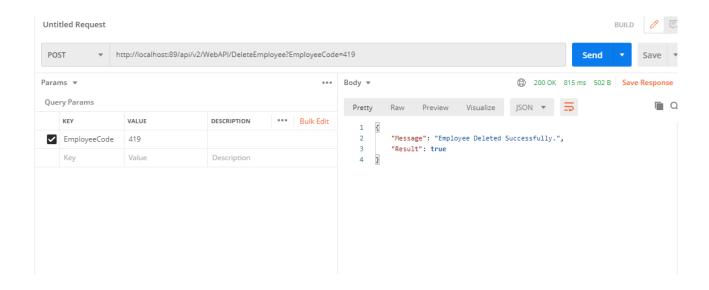
GET /api/v2/WebAPI/DeleteEmployee

To delete the existing employee from the application.

Request JSON Object

• EmployeeCode (string): Employee Code to delete.

Response:



J) Add Company

GET /api/v2/WebAPI/AddCompany

To delete the existing employee from the application.

```
Request JSON Object
```

```
"BranchAddress": "648, 2nd Floor, Sri Janardhan Towers 5th Main, 1st Cross Rd, RBI Lay
out, JP Nagar 7th Phase, Naagarabhaavi, Bengaluru, Karnataka 560078",
     "BranchFullName": "SmartOffice payroll & Biometrics Solutions pvt ltd",
     "BranchShortName": "SmartOffice payroll & Biometrics Solutions pvt ltd",
     "BrancheMail": "SupportIndia@Smartofficepayroll.com",
     "BranchWebsite": "www.smartofficepayroll.com"
                                                                                            Save
 SmartOffice API / AddCompany
 POST
               45.118.183.175:86//api/v2/WebAPI/AddCompany?APIKey=521714042205
Params •
          Authorization
                       Headers (8)
                                   Body •
                                            Pre-request Script
                                                                   Settings
 onone form-data x-www-form-urlencoded raw binary GraphQL
   1
   2
          "<mark>BranchAddress":</mark>"648,-2nd-Floor,-Sri-Janardhan-Towers-5th-Main,-1st-Cross-Rd,-RBI-Layout,-JP-Nagar-7th-Phase,
              Naagarabhaavi, Bengaluru, Karnataka 560078",
       ----<mark>"BranchFullName":</mark> "SmartOffice-payroll-&-Biometrics-Solutions-pvt-ltd",
       ---- "BranchShortName": "SmartOffice-payroll-&-Biometrics-Solutions-pvt-ltd",
      ---- "BrancheMail": "SupportIndia@Smartofficepayroll.com",
         - "BranchWebsite": "www.smartofficepayroll.com"
```

K) Add Department

Request Json

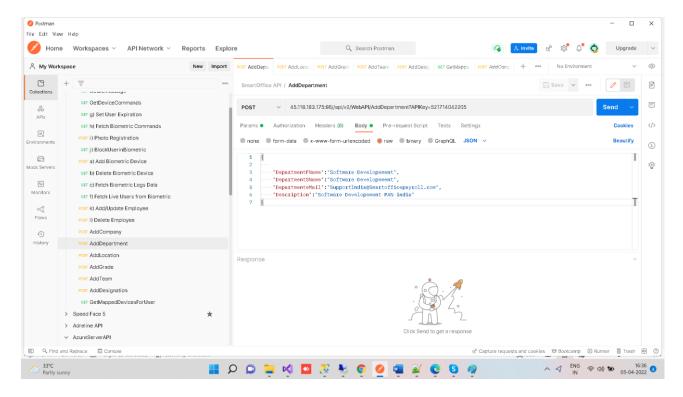
{

```
"DepartmentFName": "Software Developement",

"DepartmentSName": "Software Developement",

"DepartmenteMail": "SupportIndia@Smartofficepayroll.com",

"Description": "Software Developement PAN india"
```



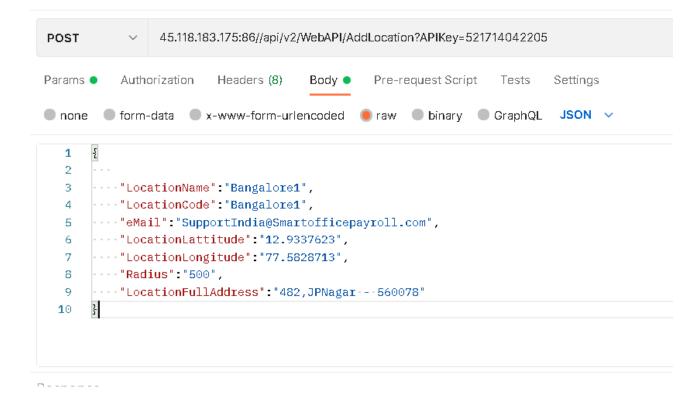
L) Add Location

URL - 45.118.183.175:86//api/v2/WebAPI/AddLocation?APIKey=521714042205

Request Json

{

```
"LocationName": "Bangalore1",
    "LocationCode": "Bangalore1",
    "eMail": "SupportIndia@Smartofficepayroll.com",
    "LocationLattitude": "12.9337623",
    "LocationLongitude": "77.5828713",
    "Radius": "500",
    "LocationFullAddress": "482, JPNagar - 560078"
```



M) Add Designation

Request JSON -

```
"DesignationsName": "Senior Software Developer",
    "DesignationCode": "Senior Software Developer"
}
```

URL - 45.118.183.175:86//api/v2/WebAPI/AddDesignation?APIKey=521714042205

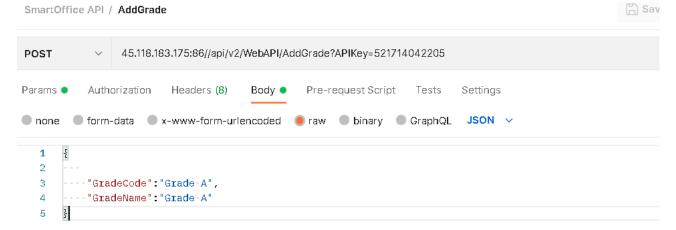
```
45.118.183.175:86//api/v2/WebAPI/AddDesignation?APIKey=521714042205
POST
Params •
           Authorization
                         Headers (8)
                                       Body •
                                                 Pre-request Script
                                                                    Tests
                                                                            Settings
        form-data
x-www-form-urlencoded
p raw
                                                       binary GraphQL
                                                                             JSON ~
       Ę
  1
   2
       ----"DesignationsName":"Senior-Software Developer",
   3
       ----"DesignationCode":"Senior-Software-Developer"
   4
   5
```

N) Add Grade Request JSON –

```
"GradeCode":"Grade A",
"GradeName":"Grade A"
```

{

URL - 45.118.183.175:86//api/v2/WebAPI/AddGrade?APIKey=521714042205



O)Add Team

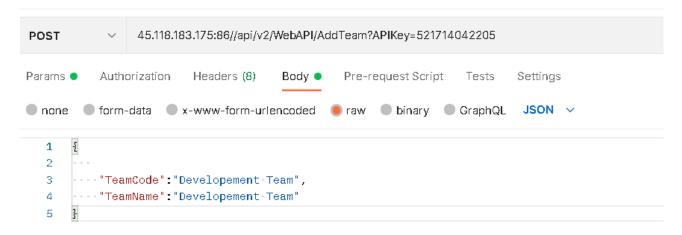
{

Requested JSON -

```
"TeamCode":"Developement Team",
    "TeamName":"Developement Team"
}
```

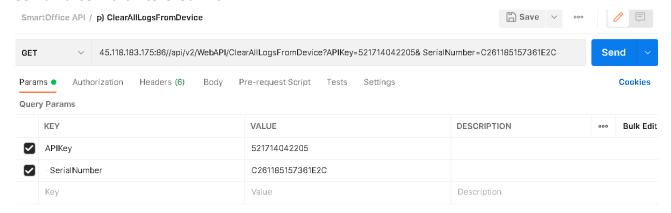
URL - 45.118.183.175:86//api/v2/WebAPI/AddTeam?APIKey=521714042205





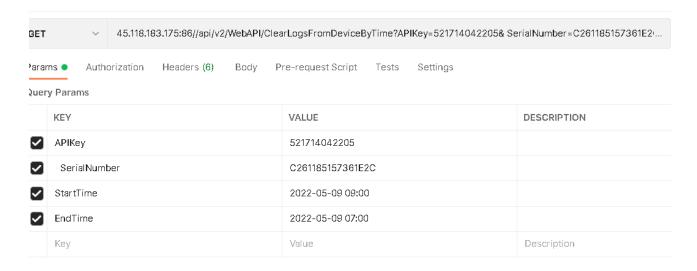
P) ClearAllLogsFromDevice – This api will clear all the Attendance Log Records from Device

URL - 45.118.183.175:86//api/v2/WebAPI/ ClearAllLogsFromDevice?APIKey=521714042205& SerialNumber= C261185157361E2C



Q)ClearLogsFromDeviceByTime - This api will clear all the Attendance Log Records from Device by specific time. This api only supported in Speed Face Model

URL - 45.118.183.175:86//api/v2/WebAPI/ClearLogsFromDeviceByTime?APIKey=521714042205& SerialNumber=C261185157361E2C&StartTime=2022-05-09 09:00&EndTime=2022-05-09 07:00



R) Trigger User Online Enrollment - This api will Trigger the Online Enrollment command

URL -

207.148.121.63:86/api/v2/WebAPI/TriggerUserOnlineEnrollment?APIKey=593910012317&SerialNumber=042 6134400988&EmployeeCode=447789&EmployeeName=ritesh singh&backup_number=1

