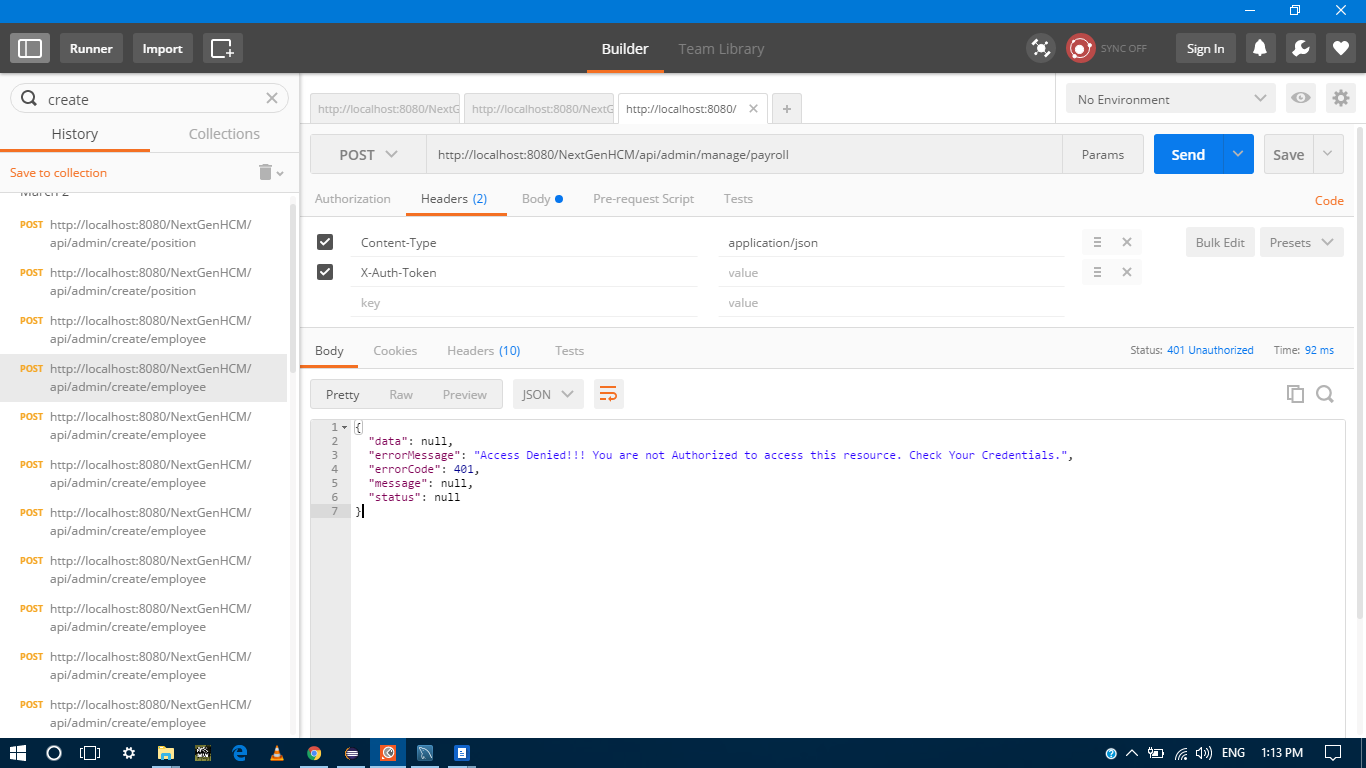
NextGen HCM API Documentation

1. Key Points:

Request Date Format: yyyy-MM-dd HH:mm:ss

X-Auth-Token: Authentication token generated by Spring Security.

Response in case of invalid token:



1. Service to Logged-in

**Service Description:** This API is created get logged-in into the system. It will take username and password as parameter and response back with the employee basic details along with an access token i.e. used for accessing other API's.

**URL:** http://localhost:8080/NextGenHCM/api/customer/login

**Request Method Type**: POST

**Request** :{

"username":"suman@gmail.com",

"password":"admin@123"

}

**Response**: {

"data": {

"id": 1,

"firstName": "suman",

"middleName": "",

"lastName": "daggumati",

"token": "eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJnYXVyYXYuNTQxMEBob3RtYWlsLmNvbSIsImF1ZGllbmNlIjoid2ViIiwiY3JlYXRlZCI6MTQ4ODYxMzQxNDc4NCwiZXhwIjoxNDg4NjMxNDE0fQ.fmCKWHmSXHVVibdYX3rwgMGWF7tXZz3jpGSbF9e5IbhvEkfEiUUo3LiJR5QMdAzOkr8AFpVwWdZ5U0qowRw-RA"

},

"status": 200,

"message": "User is successfully logged in.",

"errorCode": null,

"errorMessage": null

}

1. Service to Create Employee/Worker

**Service Description:** This API is created to create a worker/employee in to the system. It will take employee details as request and return the same employee details after saving into the system along with employee id as parameter named as id;

**URL :** http://localhost:8080/NextGenHCM/api/admin/create/employee

**Request Method Type** : POST

**Request** :{

"id":null,

"dob": "2017-03-14 00:00:00",

"email": "gauravk2@gmail.com",

"firstName": "gaurav",

"lastName": "kumar",

"middleName": "raj",

"gender": "MALE",

"hireDate": "2017-03-14 00:00:00",

"phone":"9411068838",

"nationalId": "0120C44DA5",

"addressLineOne": "ADDRESS ONE",

"addressLineTwo": "ADDRESS TWO",

"city": {

"id":"1"

},

"state": {

"id": "1"

},

"zip": "201301",

"country": {

"id": "1"

}

}

**Response**: {

"data": {

"id": 7,

"dob": "02/02/1990",

"email": "gauravk2@gmail.com",

"firstName": "gaurav",

"lastName": "kumar",

"middleName": "raj",

"gender": "MALE",

"hireDate": "02/12/2017",

"nationalId": "0120C44DA5",

"addressLineOne": "ADDRESS ONE",

"addressLineTwo": "ADDRESS TWO",

"state": {

"id": 1,

"name": "NWS"

},

"city": {

"id": 1,

"name": "NYC"

},

"zip": "201301",

"country": {

"id": 1,

"name": "USA"

},

"phone": "9411068838"

},

"status": 200,

"message": "Employee is created in the system with these details.",

"errorCode": null,

"errorMessage": null

}

1. Service to Update Employee/Worker

**Service Description:** This api is created to update the worker/employee details in the system based on national id of the worker. It will take employee details as request and return the same employee details after updating into the system.

**URL :** http://localhost:8080/NextGenHCM/api/admin/update/employee

**Request Method Type** : POST

**Request** :{

"id":null,

"dob": "2017-03-14 00:00:00",

"email": "gauravk2@gmail.com",

"firstName": "gaurav",

"lastName": "kumar",

"middleName": "raj",

"gender": "MALE",

"hireDate": "2017-03-14 00:00:00",

"phone":"9411068838",

"nationalId": "0120C44DA5",

"addressLineOne": "ADDRESS ONE",

"addressLineTwo": "ADDRESS TWO",

"city": {

"id":"1"

},

"state": {

"id": "1"

},

"zip": "201301",

"country": {

"id": "1"

}

}

**Response**: {

"data": {

"id": 7,

"dob": "02/02/1990",

"email": "gauravk2@gmail.com",

"firstName": "gaurav",

"lastName": "kumar",

"middleName": "kr",

"gender": "MALE",

"hireDate": "02/04/2017",

"nationalId": "0120C44DA5",

"addressLineOne": "ADDRESS ONE",

"addressLineTwo": "ADDRESS TWO",

"state": {

"id": 1,

"name": "NWS"

},

"city": {

"id": 1,

"name": "NYC"

},

"zip": "201301",

"country": {

"id": 1,

"name": "USA"

},

"phone": "9411068838"

},

"status": 200,

"message": "Employee details are updated successfully.",

"errorCode": null,

"errorMessage": null

}

1. Service to Create Position

**Service Description:** This api is created to create the position for the worker/employee into the system It will take position details as request and return the same position details after creating into the system along with id.

**URL :** http://localhost:8080/NextGenHCM/api/admin/create/position

**Request Method Type** : POST

**Request** :

{

"id":null,

"positionName":"Job Position",

"positionCode":"Position\_Code\_123",

"organization":{"id":1},

"positionRequestReason":"FOR Testing",

"jobPostingTitle":{

"id":1,

"name":null

},

"availabilityDate":"2017-03-14 00:00:00",

"jobProfile":{

"id":1,

"name":null,

"description":null

},

"timeType":{"id":1},

"location":{"id":1}

}

**Response**: {

"data": {

"id": 2,

"positionName": "Job Position",

"positionCode": "Position\_Code\_123",

"organization": {

"id": 1,

"name": "Test Oeganization"

},

"positionRequestReason": "FOR Testing",

"jobPostingTitle": {

"id": 1,

"name": "Sr. Software Engg."

},

"availabilityDate": "2017-03-14 00:00:00",

"jobProfile": {

"id": 1,

"name": "SOFTWARE ENG.",

"description": "Java Developer"

},

"timeType": {

"id": 1,

"timeType": "Day"

},

"location": {

"id": 1,

"name": "Test Location"

}

},

"status": 200,

"message": "Position is created in the system with these details.",

"errorCode": null,

"errorMessage": null

}

1. Service to update Position

**Service Description:** This api is created to update the position for the worker/employee into the system It will take position details as request and return the same position details after updating into the system.

**URL :** http://localhost:8080/NextGenHCM/api/admin/update/position

**Request Method Type** : POST

**Request** :

{

"id":null,

"positionName":"Job Position",

"positionCode":"Position\_Code\_123",

"organization":{"id":1},

"positionRequestReason":"FOR Testing",

"jobPostingTitle":{

"id":1,

"name":null

},

"availabilityDate":"2017-03-14 00:00:00",

"jobProfile":{

"id":1,

"name":null,

"description":null

},

"timeType":{"id":1},

"location":{"id":1}

}

**Response**: {

"data": {

"id": 2,

"positionName": "Job Position",

"positionCode": "Position\_Code\_123",

"organization": {

"id": 1,

"name": "Test Oeganization"

},

"positionRequestReason": "FOR Testing",

"jobPostingTitle": {

"id": 1,

"name": "Sr. Software Engg."

},

"availabilityDate": "12/04/2017",

"jobProfile": {

"id": 1,

"name": "SOFTWARE ENG.",

"description": "Java Developer"

},

"timeType": {

"id": 1,

"timeType": "Day"

},

"location": {

"id": 1,

"name": "Test Location"

}

},

"status": 200,

"message": "Position is created in the system with these details.",

"errorCode": null,

"errorMessage": null

}

1. Service to manage Time offs

**Service Description:** This api is created to manage the timeoffs for the worker/employee into the system It will take time off details as request and return the same timeoff details after creating/updating into the system accordingly.

**URL :** http://localhost:8080/NextGenHCM/api/admin/manage/timeoff

**Request Method Type** : POST

**Request** :{

"id": null,

"employee": {

"id": 5

},

"fromDate": "2017-03-14 00:00:00",

"toDate": "2017-03-14 00:00:00",

"timeOffType": {

"id": 1

},

"dailyQuantity": 4,

"reason": "testing the time off"

}

**Response**: {

"data": {

"id": 6,

"employee": {

"id": 5,

"name": null

},

"fromDate": "02/02/1990",

"toDate": "15/02/1990",

"timeOffType": {

"id": 1,

"name": null

},

"dailyQuantity": 4,

"reason": "testing the time off",

"timeOffEventId": "5\_TIME OFF\_6"

},

"status": 200,

"message": "Time off are successfully submitted.",

"errorCode": null,

"errorMessage": null

}

1. Service to change job

**Service Description:** This api is created to change the job details of the employee into the system It will take job change details as request and return the same job change details after changes into the system along with change id.

**URL :** http://localhost:8080/NextGenHCM/api/admin/change/job

**Request Method Type** : POST

**Request** :{

"id": null,

"employee": {

"id": 2

},

"proposedManager": {

"id": 3

},

"reason": {

"id": 1

},

"effectiveDate": "2017-03-03 10:25:40",

"proposedLocation": {

"id": 2

}

}

**Response**: {

"data": {

"id": 8,

"employee": {

"id": 2,

"name": null

},

"proposedManager": {

"id": 3,

"name": null

},

"effectiveDate": "03-03-2017 10:25:40",

"reason": {

"id": 1,

"reason": "PROMOTION"

},

"proposedLocation": {

"id": 2,

"name": "Job Location"

},

"jobChangeEventId": "2\_JOB\_CHANGE\_8"

},

"status": 200,

"message": "Job Changes are successfully completed.",

"errorCode": null,

"errorMessage": null

}

1. Service to manage payroll

**Service Description**: This api is created to manage the employee payroll details in the system It will employee id and payroll details as request and return the same payroll details after changes into the system along with change id.

**URL :** http://localhost:8080/NextGenHCM/api/admin/manage/payroll

**Request Method Type** : POST

**Request** :{

"employeeId":5,

"startDate": "2017-03-14 00:00:00",

"id": null,

"payComponentCode": "Emp1234",

"payrollInputEventId": null,

"inputValue": 123.45,

"endDate": "2017-03-14 00:00:00",

"inputType": {

"id": "1"

},

"runType": {

"id": "1"

}

}

**Response**: {

"data": {

"employeeId": 5,

"endDate": "2017-03-14 00:00:00",

"id": 3,

"inputType": {

"id": 1,

"name": "PAYROLL INPUT TYPE"

},

"inputValue": 123.45,

"payComponentCode": "Emp1234",

"payrollInputEventId": "5\_PAYROLL\_INPUT\_3",

"runType": {

"id": 1,

"name": "PAYROLL RUN TYPE"

},

"startDate": "2017-03-14 00:00:00"

},

"status": 200,

"message": "Payroll details are successfully submitted.",

"errorCode": null,

"errorMessage": null

}

1. Service to change contact details

**Service Description** : This API is created to change the employee contact details in the system It will employee id and contact details as request and return the address change id.

**URL :** http://localhost:8080/NextGenHCM/api/admin/change/contactdetails

**Request Method Type** : POST

**Request** :{

"employeeId": 3,

"address":{

"id":null,

"effectiveDate":"2017-03-14 00:00:00",

"addressLineOne": "ADDRESS ONE",

"addressLineTwo": "ADDRESS TWO",

"city": {

"id":"1"

},

"state": {

"id": "1"

},

"zip": "201301",

"country": {

"id": "1"

},

"type": {

"id": "1"

},

"usage": {

"id": "1"

},

"visibility": {

"id": "1"

}

}

}

**Response**:

{

"data": "2\_ADDRESS\_CHANGE\_1",

"status": 200,

"message": "Employee address details are updated successfully.",

"errorCode": null,

"errorMessage": null

}

1. Get Countries

**Service Description**: This API used to get list of countries and it will work even with or without authorization.

**URL:** http://localhost:8080/NextGenHCM/api/countries

**Request Method Type**: GET

**Request**: N/A

**Response**:

{

"data": [

{

"id": 0,

"countryName": "Afghanistan",

"countryCode": "AF",

"phoneCode": "93"

},

{

"id": 0,

"countryName": "Albania",

"countryCode": "AL",

"phoneCode": "355"

}

],

"status": 200,

"message": "Data has been fetched successfully.",

"errorCode": null,

"errorMessage": null

}

1. Get States

**Service Description**: This API is used to get all the states using selected country and it will work with or without security.

**URL:** http://localhost:8080/NextGenHCM/api/states

**Request Method Type** : POST

**Request**:

{

“countryId” : 1

}

**Response**:

{

"data": [

{

"id": 0,

"name": null,

"contryId": 2

}

],

"status": 200,

"message": " Data has been fetched successfully.",

"errorCode": null,

"errorMessage": null

}

1. Get Cities

**Service Description**: This API is used to get list of cities using state id and it will work with or without authorization

**URL:** http://localhost:8080/NextGenHCM/api/cities

**Request Method Type**: POST

**Request** :{

“stateId” : 1

}

**Response**:

{

"data": [

{

"id": 1,

"name": "Bombuflat",

"stateId": 1

},

{

"id": 2,

"name": "Garacharma",

"stateId": 1

},

{

"id": 3,

"name": "Port Blair",

"stateId": 1

},

{

"id": 4,

"name": "Rangat",

"stateId": 1

}

],

"status": 200,

"message": "Employee is created in the system with these details.",

"errorCode": null,

"errorMessage": null

}

1. Register (Sign Up)

**Service Description**: This API is used to register employee/user and need all the fields as mandatory.

**URL:** http://localhost:8080/NextGenHCM/api/admin/register

**Request Method Type**: POST

**Request**:

{

"firstName" : "uma",

"lastName" : "mahesh",

"password" : "demo@123",

"email" : "uma@gmail.com",

"country" : "1",

"state" : "1",

"city" : "1"

}

**Response**:

{

"data": null,

"status": 200,

"message": "Your details has been saved successfully.",

"errorCode": null,

"errorMessage": null

}