API User DOCS

Manual Guide

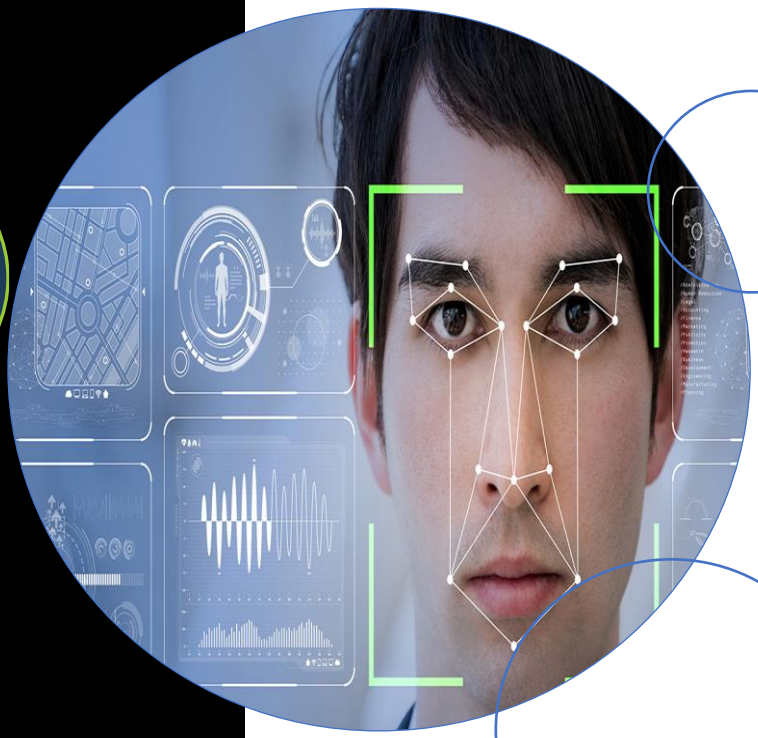


Table Contents:

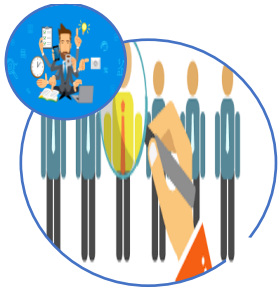
API DOCS MANUAL

API Docs

This API will give Clear Information about the Authentication Token for Administrator and staff

URL: http://127.0.0.1:8000/api/docs/

Personnel API Docs



This API will give clear information about the Personnel Module Features Like

1. Employee
2. Departments
3. Areas
4. Positions
5. Locations

Iclock API Docs

This API will give clear information about the iclock Module Features Like

1. Terminals
2. Transactions

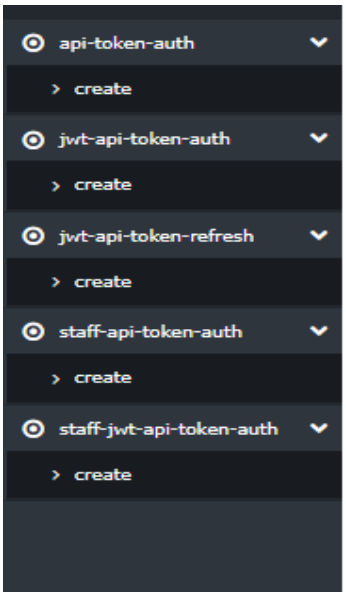
http://127.0.0.1:8000 /api/iclock_docs/

1.API DOCS Authentication:

Our Products are configured with highly Secured and has rich in its Efficiency to Operate. When the term Secured is considered not only in terms of the Bio Metric Machine but also in software as well. Keeping this into consideration API's are designed in such a way that to Access the API's Requires Authentication Credentials

Customize in Almost No Time

URL for getting in to the Authentication Details are: http://127.0.0.1:8000/api/docs/ then it shows the following features



DETAILED VIEW OF API DOCS Authentication

1.Why Token?

Usually an API token is a unique identifier of an application requesting access to your service. Your service would generate an API token for the application to use when requesting your service. You can then match the token they provide to the one you store to authenticate.

In Software Generally Consists of as follows

1.api-token-auth

2.jwt-api-token-auth

3.jwt-api-token-refresh

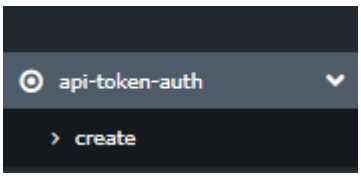
4.staff-api-token-auth

6.staff-jwt-api-token-auth

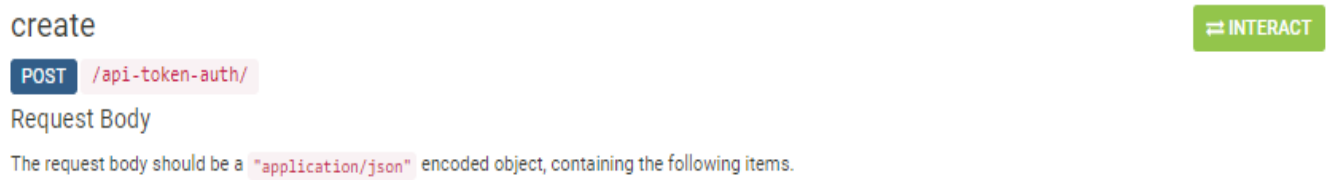
In all the above methods will using Create Method which is nothing but POST Method

1.api-token-auth

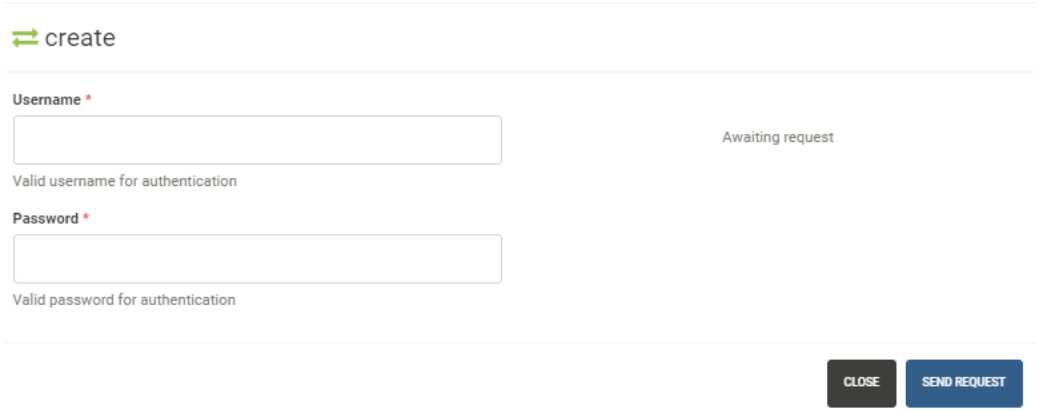
In this method will use create method



click on the create method to get



Click on Interact option

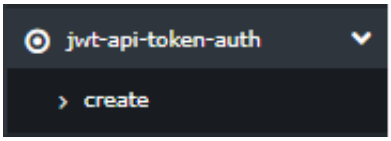


Enter the username and password click on the send request

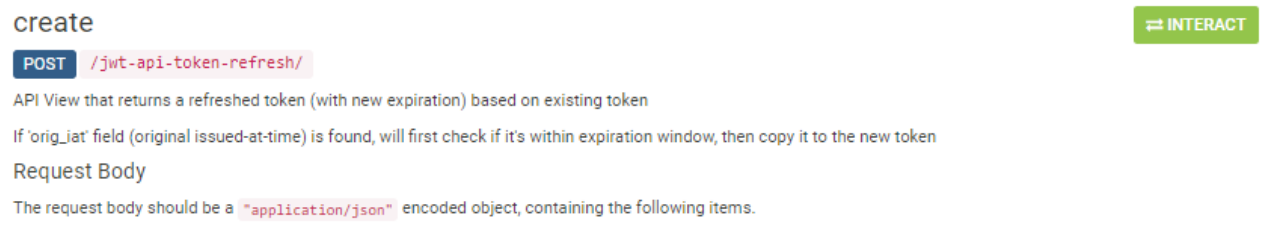
Then Response will be as follows

This Token is Not Unique may vary for every login

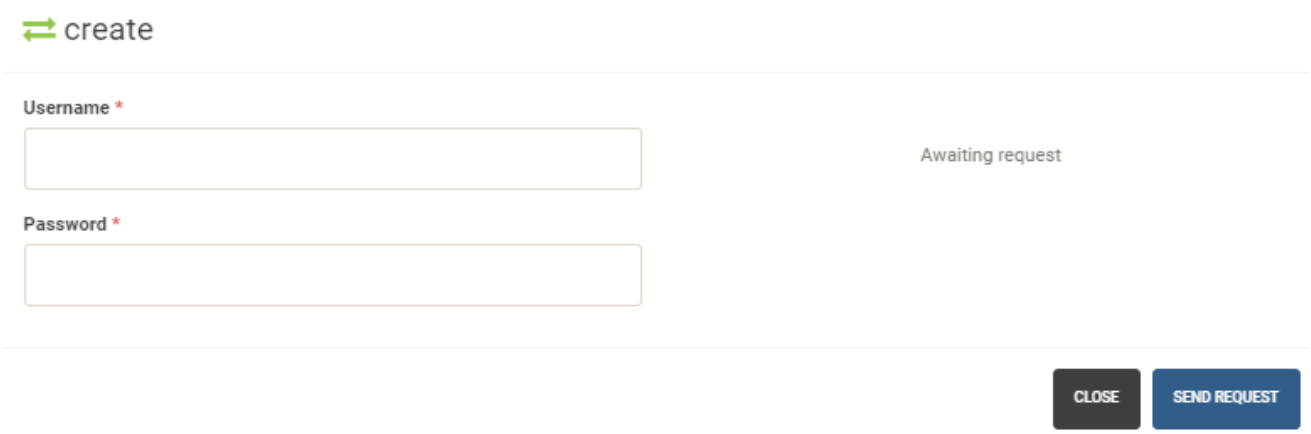
2.jwt-api-token-auth:



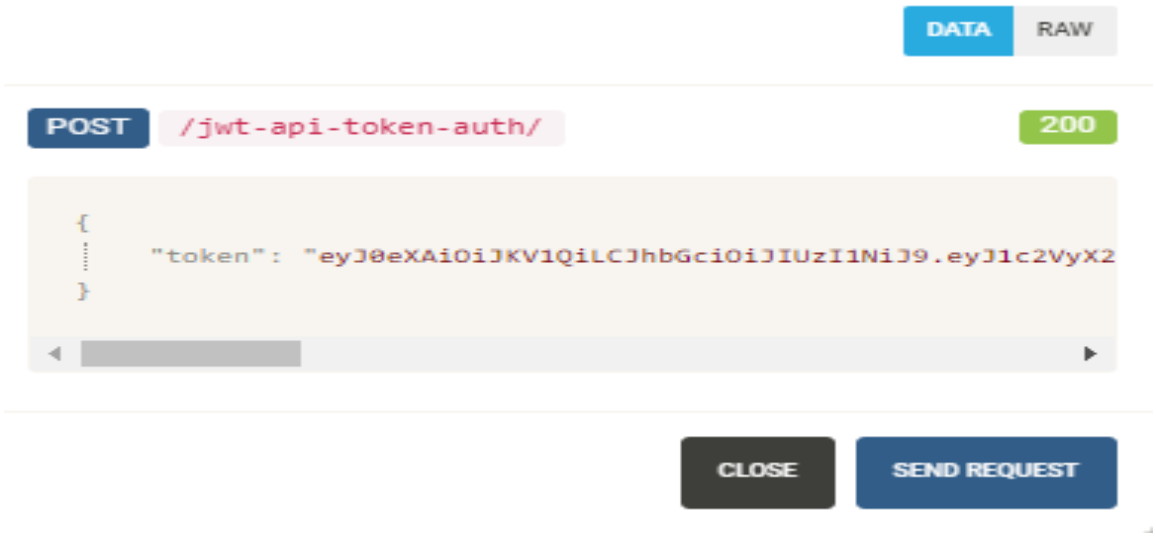
click on the create method to get



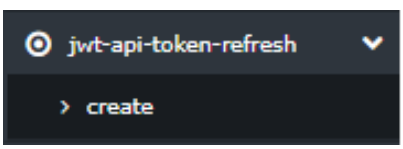
Click on interact option



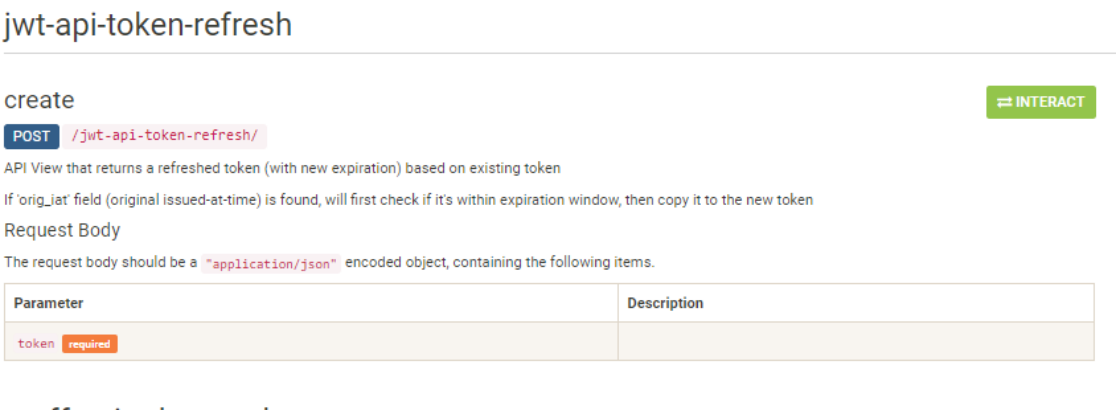
Enter the username and password click on the send request



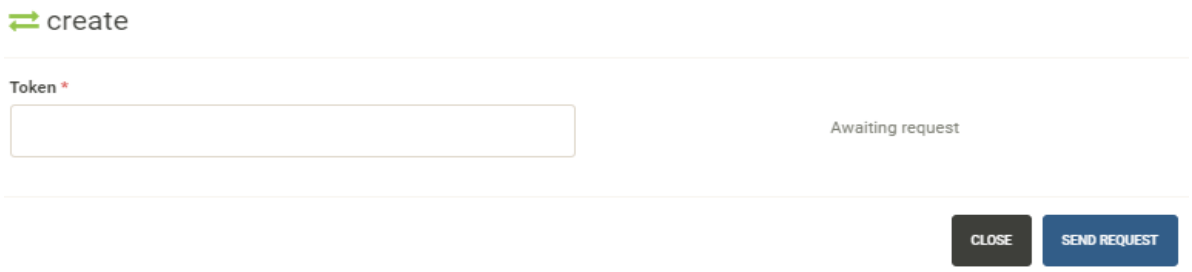
3.jwt-api-token-refresh



click on the create method to get

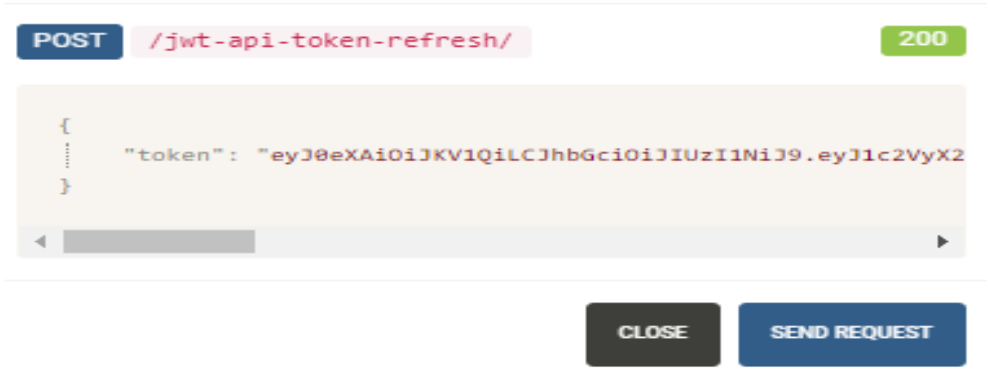


Click on interact option

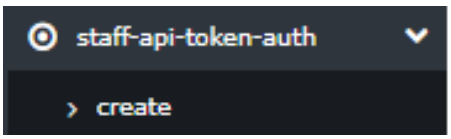


Enter the username and password click on the send request

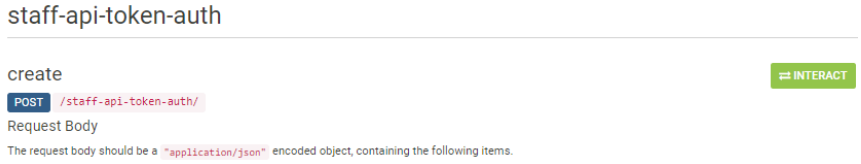
In token Enter the token which is generated in **jwt-api-token-auth and click on send request so that will get a refreshed token**



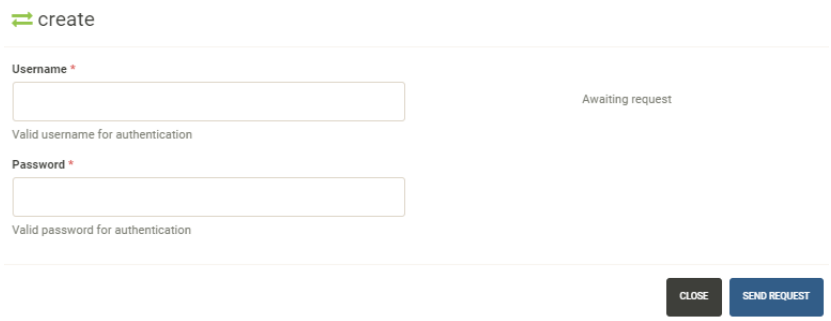
4. staff-api-token-auth



Click on the create method to get



Click on interact option



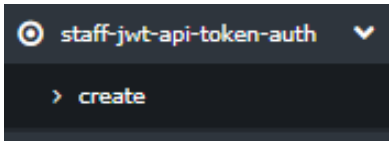
This is Token is for Staff login the above tokens which are generated for administrator

After sending the response

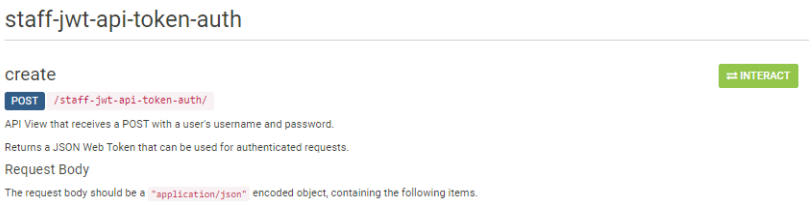
This is Token is for Staff login the above tokens which are generated for administrator

After sending the response

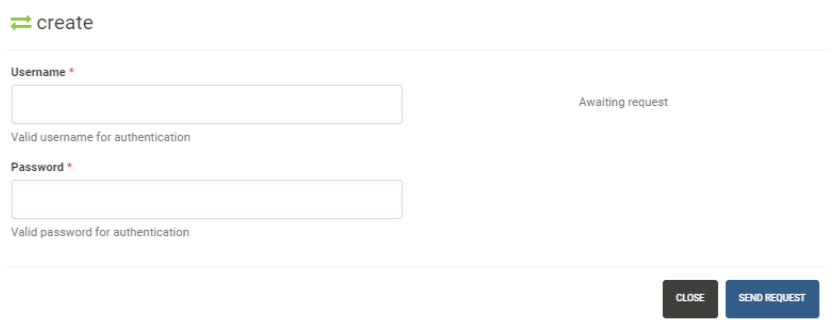
5. staff-jwt-api-token-auth



click on the create method to get



Click on interact option



After Sending the response token will be generated

Difference between token and Jwt token

JWT is an encoding standard for tokens that contains a JSON data payload that can be signed and encrypted.

JWT can be used for many things, among those are bearer tokens, i.e. a piece of information that you can present to some service that by virtue of you having it (you being the "bearer") grants you access to something.

Bearer tokens can be included in an HTTP request in different ways, one of them (probably the preferred one) being the Authorization header. But you could also put it into a request parameter, a cookie, or the request body. That is mostly between you and the server you are trying to access.

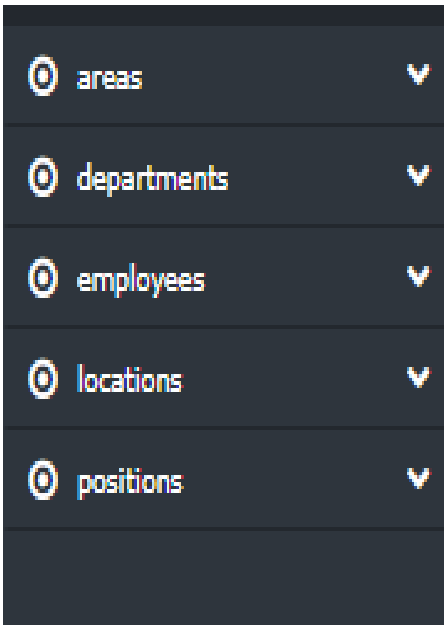
2.PERSONNEL API DOCS

Employees' related personnel information will be stored in personnel module. It consists of following API's

1. Areas
2. Departments
3. Positions
4. Locations
5. Employees

URL for getting into the Authentication Details are:

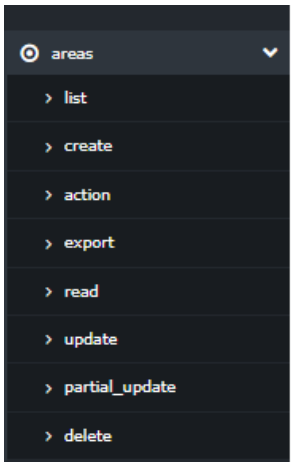
http://127.0.0.1:8000/api/docs/



Detailed View Personnel API:

1.Areas:

Areas Contains following Methods



a.List:

List is for to get all the areas present in the software

The URL to get all the areas from the software through the api is

---

list

GET /personnel/api/areas/

AreaList pagination, search, filter, order

Query Parameters

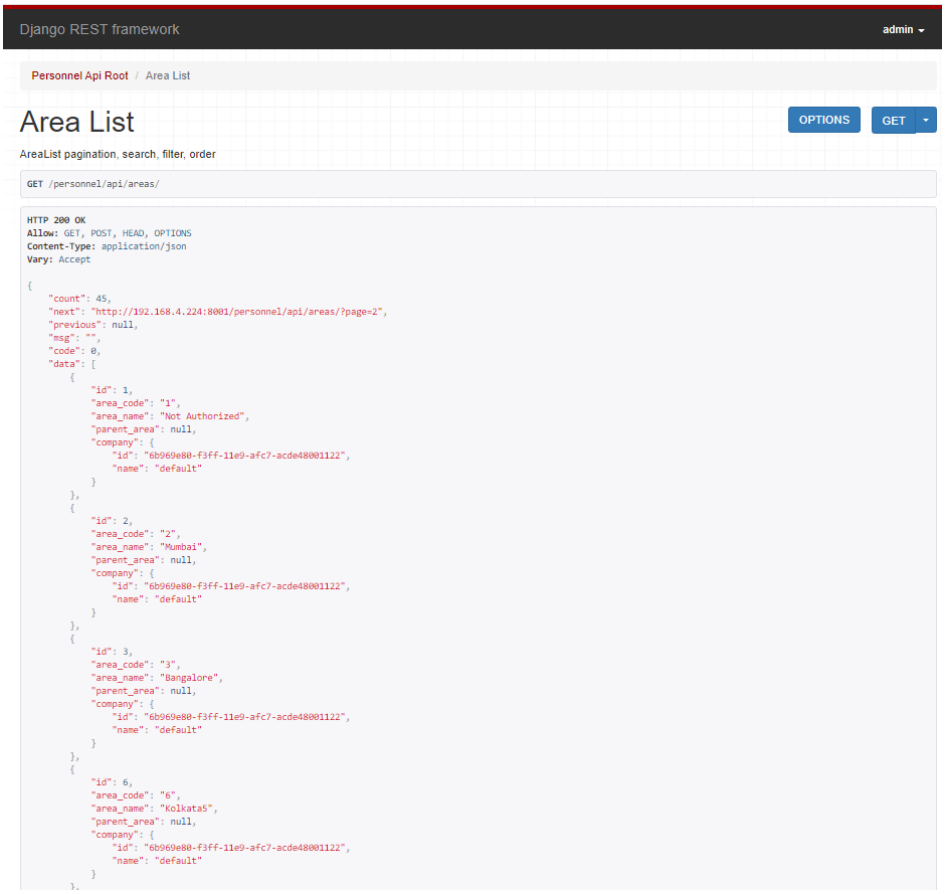
The following parameters should be included as part of a URL query string.

Base URL: 127.0.0.1:8001 End Url: /personnel/api/areas/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/personnel/api/areas/

Then it will display as follows:



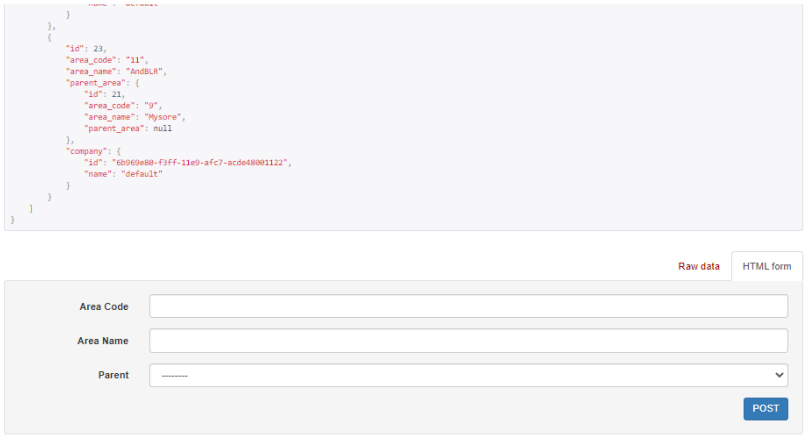
It displays the whichever areas present in the software

b.Create

Create Method is used to create the Area from Api this created area will reflect in software as well.

127.0.0.1:8001/personnel/api/areas/

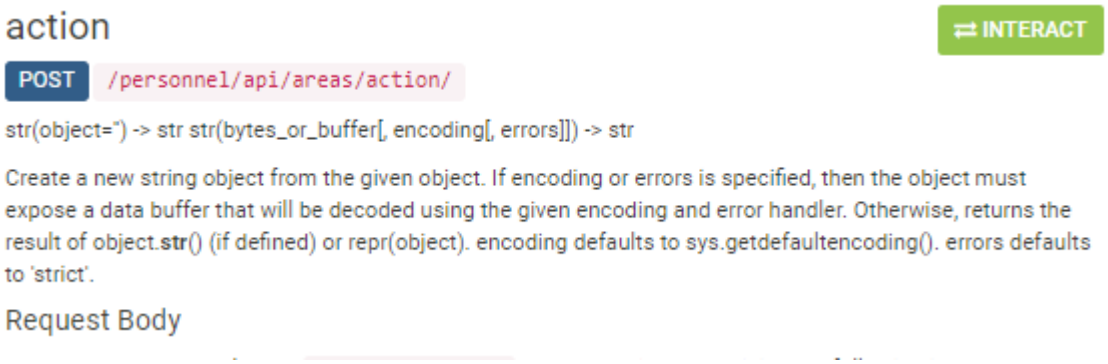
Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method



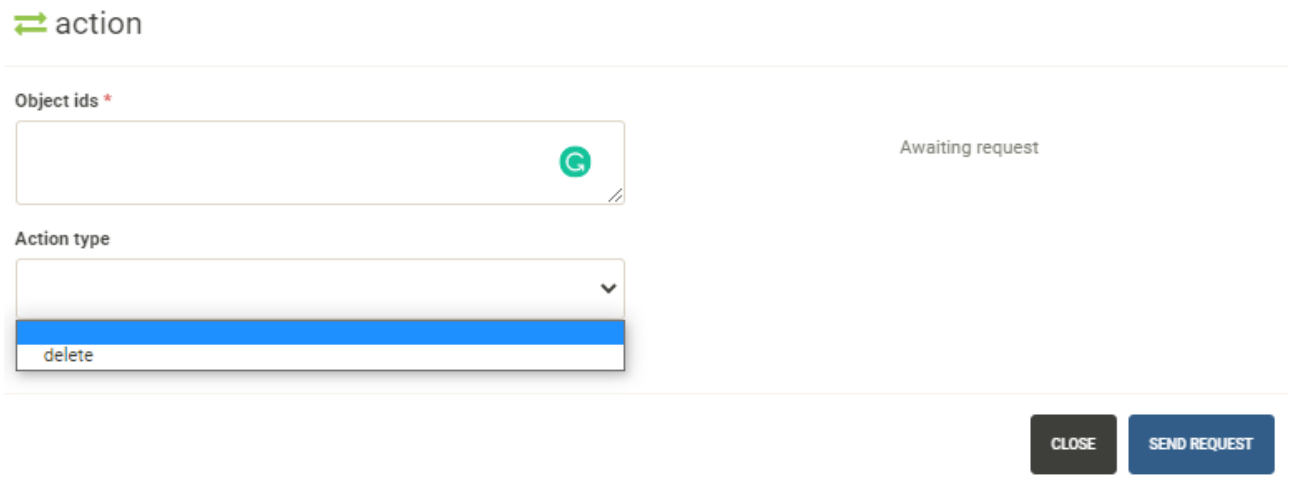
Enter the details click on POST button the area with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete, Transfer etc. based on Features Actions are developed



Click on Interact button

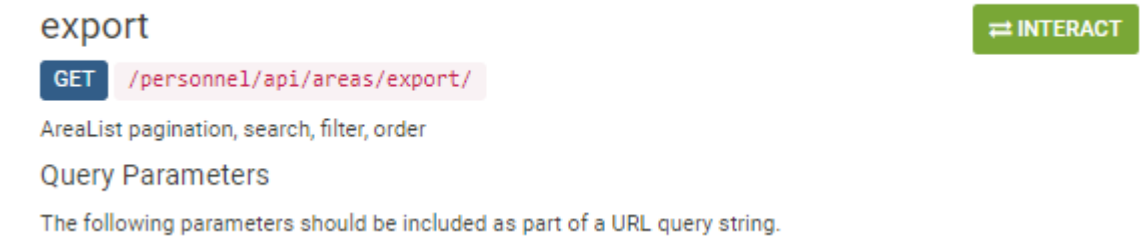


Enter the Area ID and click on Action Type and send Request.

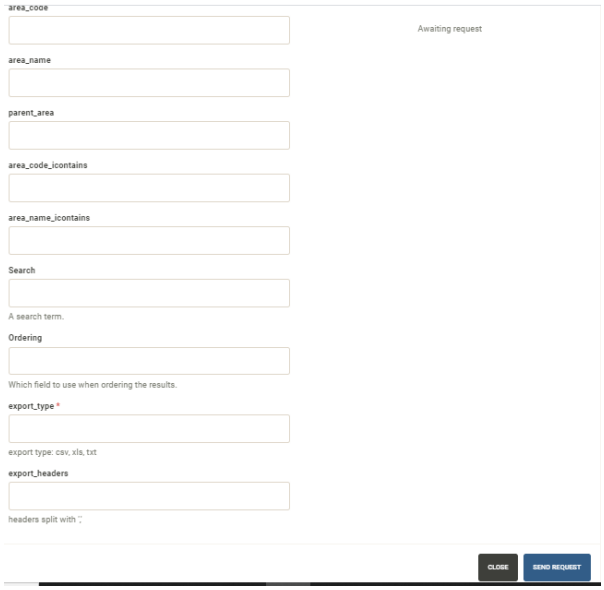
d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS

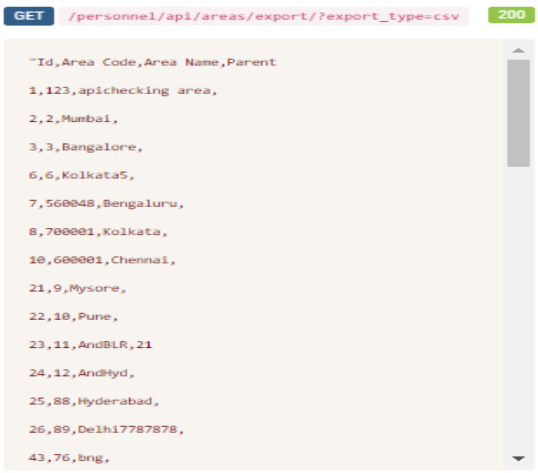


Enter the required fields and click on send request



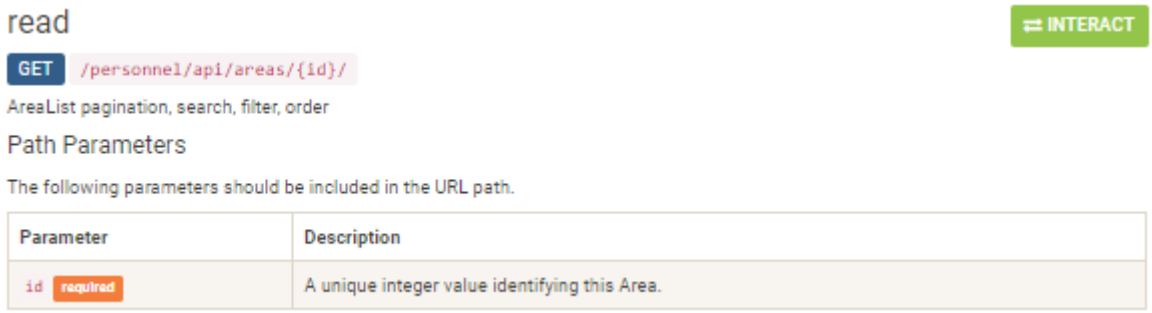
After clicking on Send request data will be Exported.

Response will be



e.Read

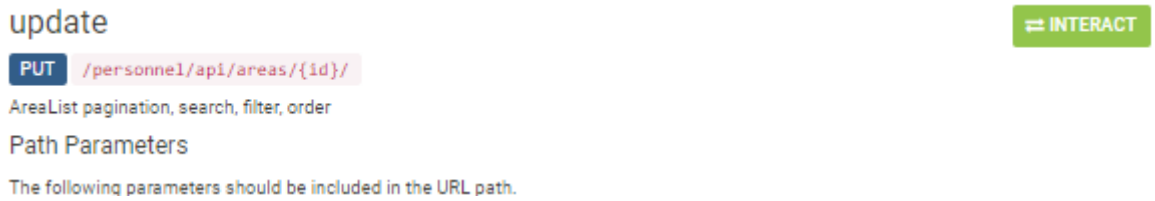
Read Is for to fetch the data based on the ID



Click on the interact button and enter the id click on send request then the response will be as follows

f.Update

Update Method is Used for the update the details which is already created .for example if area1 is created if want to change the Full details of area1 then preferably choose update method.

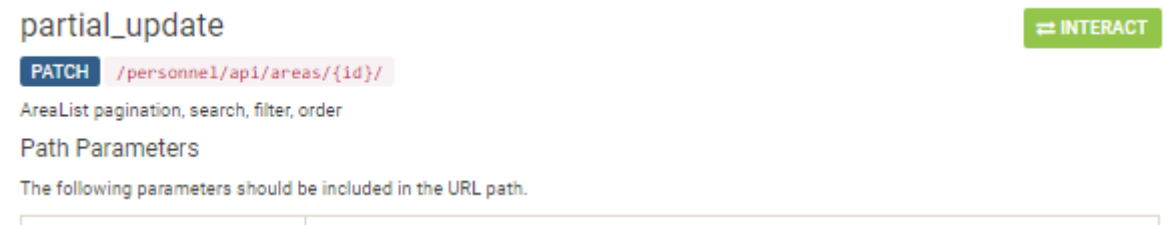


Click on interact button

Fill the details based on the id details which need to update and click on the send request then the request and response will be as follows.

g.Partial Update

Partial update Method is Used for the update the details which is required and those are already created .for example if area1 is created if want to change the particular details of area1 then preferably choose Partial update method.



Click on the interact and enter the fields which ever need to update and click on send request.

The response will as mentioned above in the picture the fields which is changed is only one .if all fields need to be changed then preferably choose update method else partial update method.

h.Delete

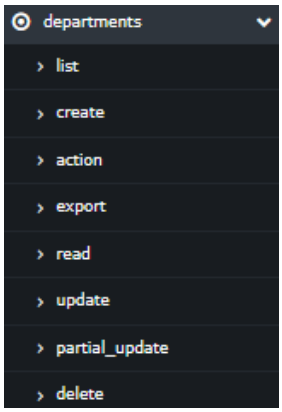
Delete Method is used to delete the area which is already created.

Click on the interact button

Enter the Area which needs to delete then the response will be as follows

2.Departments:

Departments Contains following Methods



a.List:

List is for to get all the departments present in the software

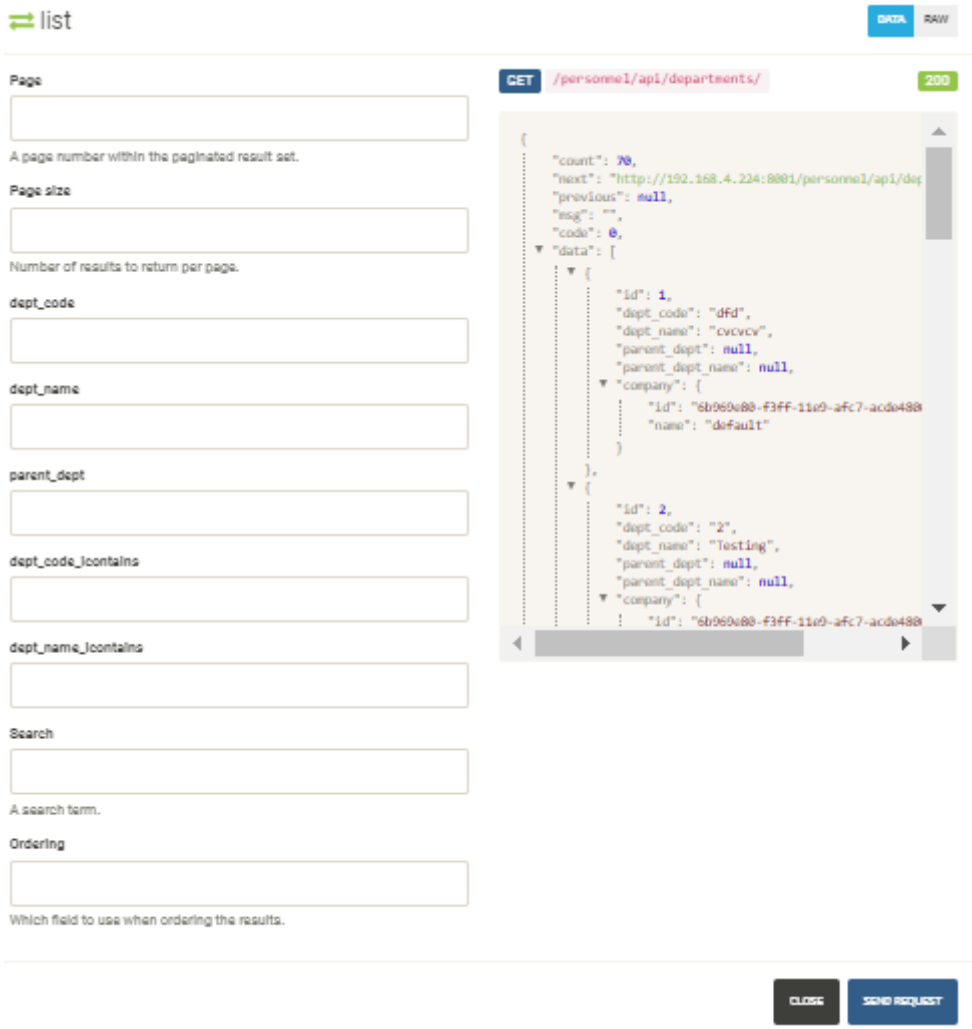
The URL to get all the departments from the software through the api is

Base URL: 127.0.0.1:8001 End Url: /personnel/api/departments/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/personnel/api/departments/

Click on interact button and click on send request to get all departments which are there in software



It displays the whichever departments present in the software

b.Create

Create Method is used to create the Department from Api. created department will reflect in software as well.

127.0.0.1:8001/personnel/api/departments/

Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method

Click on interact button fill the details which ever required to create the department and click on send request.

Enter the details click on POST button the department with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete, Transfer etc. based on Features Actions are developed

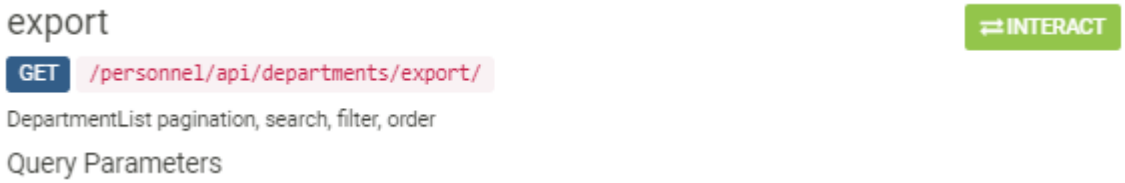
Click on Interact button

Enter the Department ID and click on Action Type and send Request.

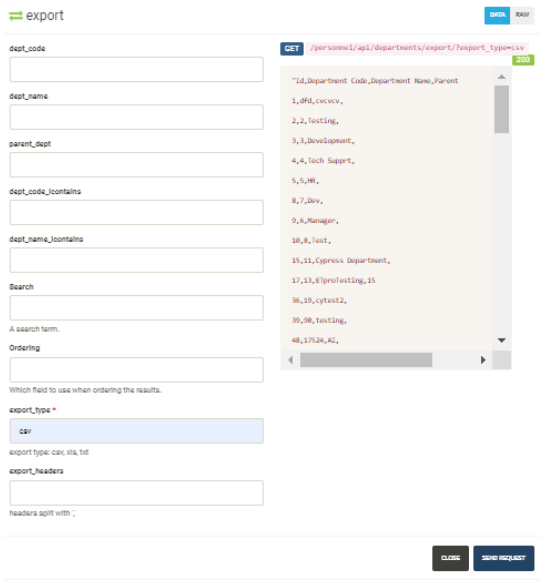
d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS



Enter the required fields and click on send request then the response will be as follows



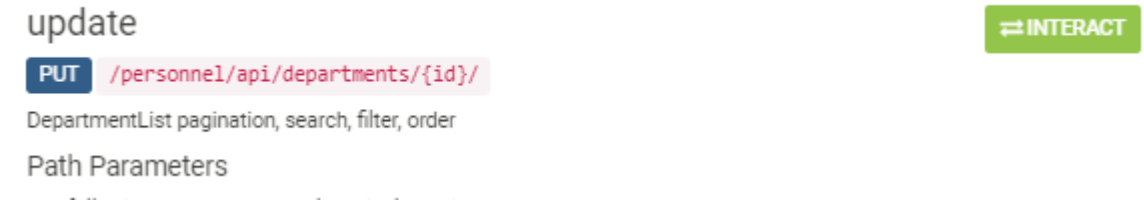
e.Read

Read Is for to fetch the data based on the ID

Click on the interact button and enter the id click on send request then the response will be as follows

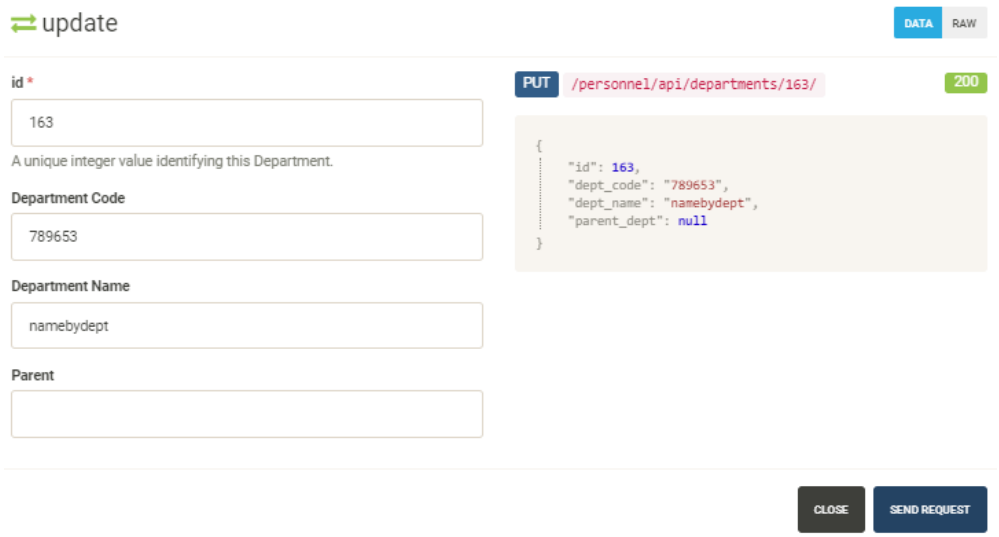
f.Update

Update Method is Used for the update the details which is already created. for example if department1 is created if want to change the Full details of department1 then preferably choose update method.



Click on interact button

Fill the details based on the id details which need to update and click on the send request then the request and response will be as follows.



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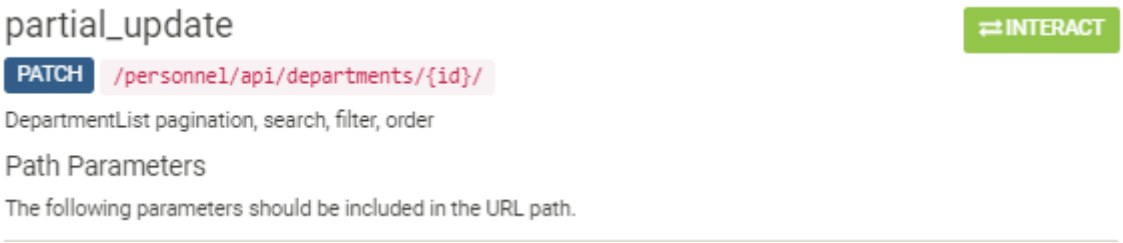
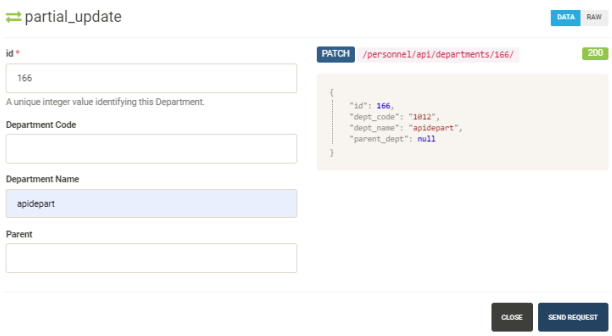
Partial update Method is Used for the update the details which is required and those are already created .for example if department1 is created if want to change the particular details of department1 then preferably choose Partial update method.



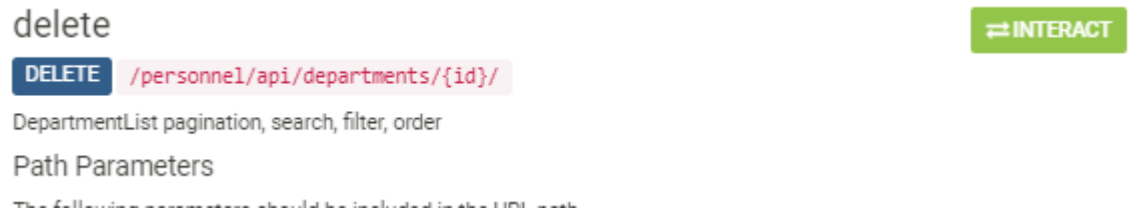
Click on the interact and enter the fields which ever need to update and click on send request.



The response will as mentioned above in the picture the fields which is changed is only one .if all fields need to be changed then preferably choose update method else partial update method.

h.Delete

Delete Method is used to delete the department which is already created.

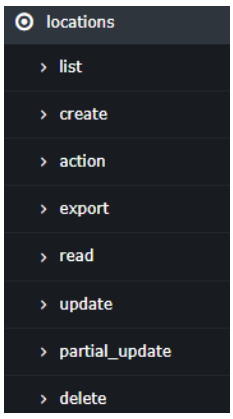


Click on the interact button

Enter the Department which needs to delete then the response will be as follows

3.Locations:

Locations Contains following Methods



a.List:

List is for to get all the locations present in the software

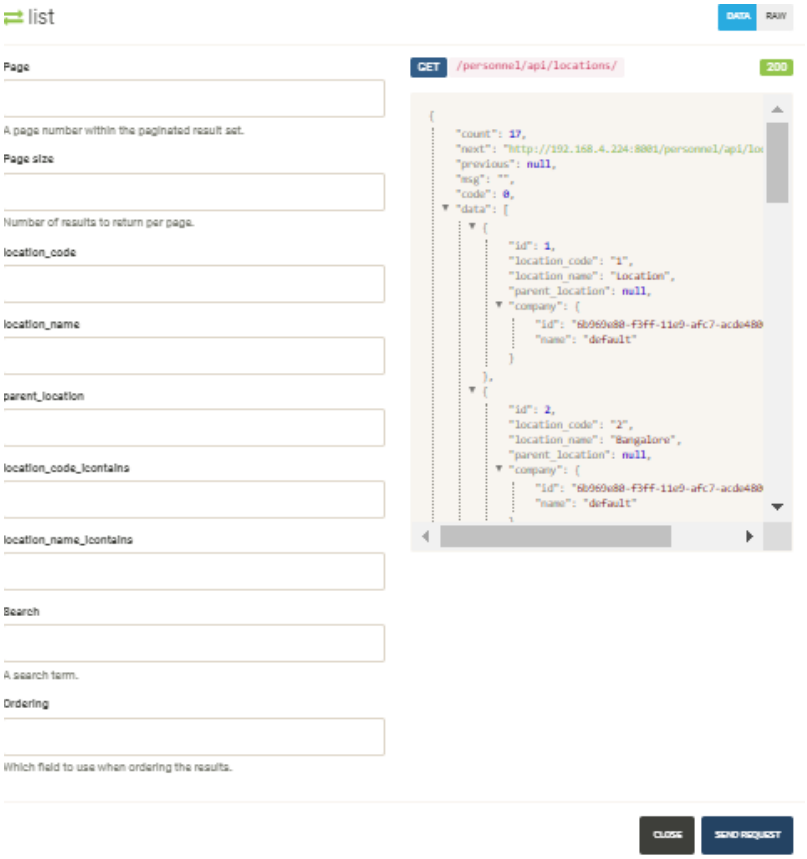
The URL to get all the locations from the software through the api is

Base URL: 127.0.0.1:8001 End Url: /personnel/api/locations/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/personnel/api/locations/

Click on interact button and click on send request to get all locations which are there in software



It displays the whichever locations present in the software

b.Create

Create Method is used to create the location from Api. created location will reflect in software as well.

127.0.0.1:8001/personnel/api/locations/

Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method

Click on interact button fill the details which ever required to create the location and click on send request.

Enter the details click on POST button the location with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete, Transfer etc. based on Features Actions are developed

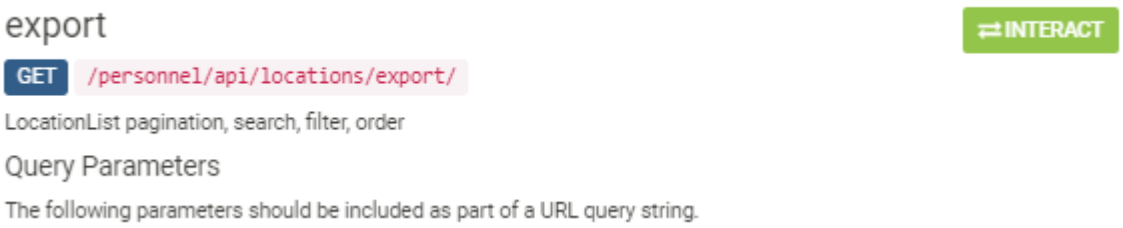
Click on Interact button

Enter the Location ID and click on Action Type and send Request.

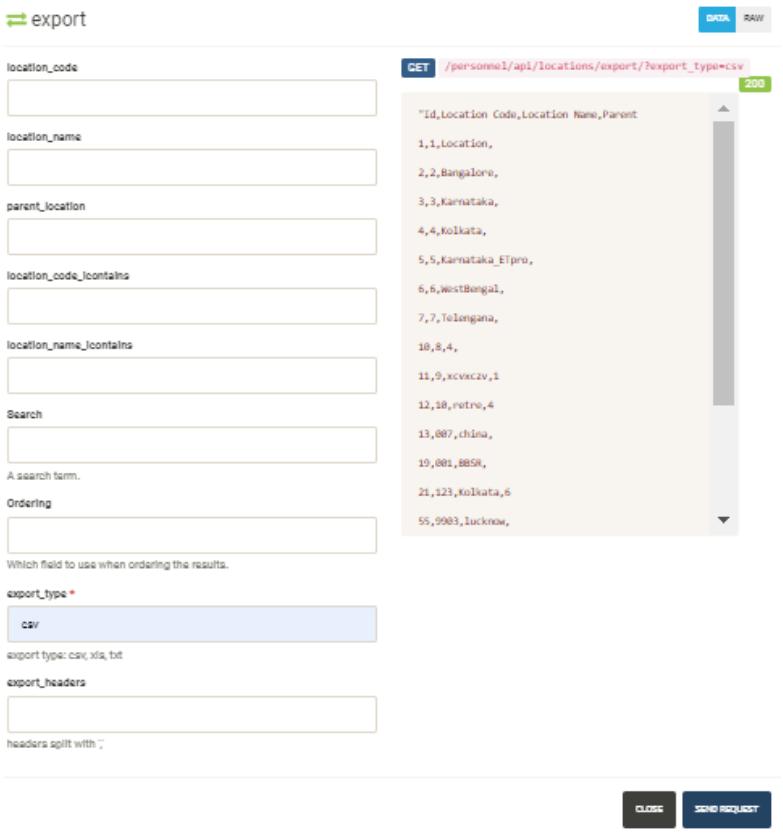
d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS

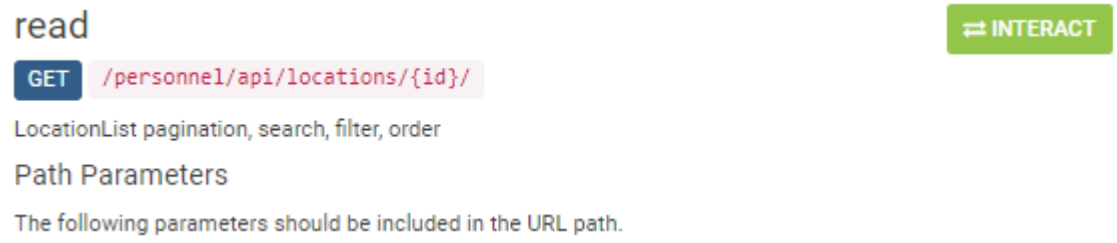


Enter the required fields and click on send request then the response will be as follows



e.Read

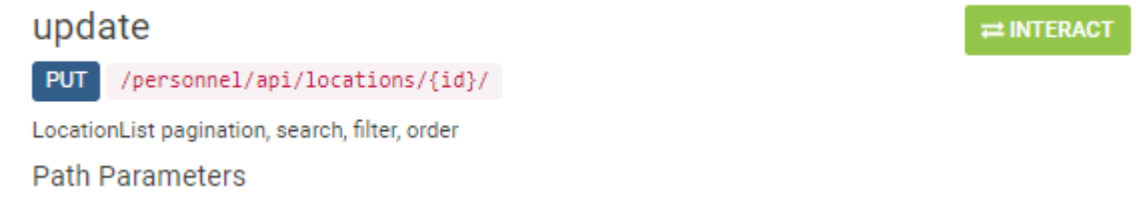
Read Is for to fetch the data based on the ID



Click on the interact button and enter the id click on send request then the response will be as follows

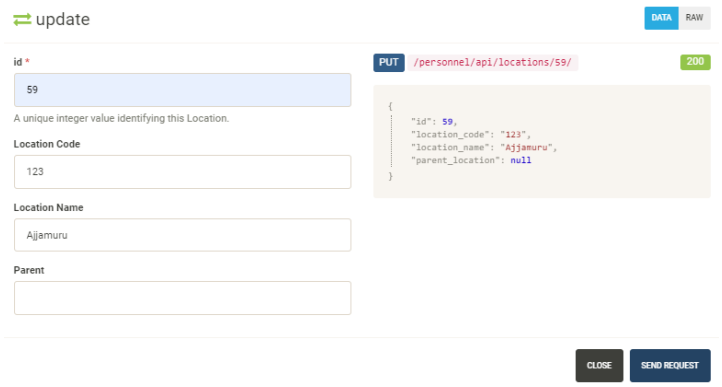
f.Update

Update Method is Used for the update the details which is already created. for example, if location1 is created if want to change the Full details of location1 then preferably choose update method.



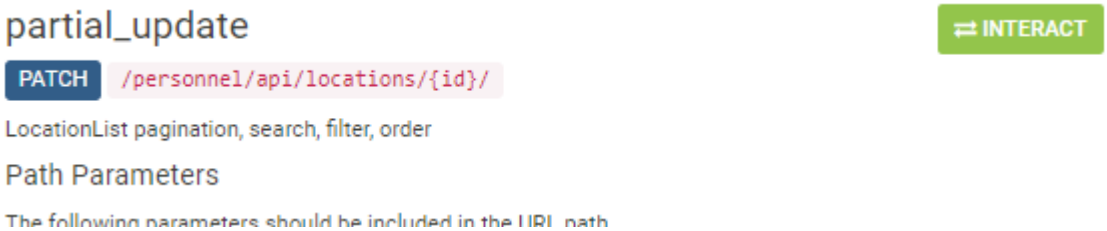
Click on interact button

Fill the details based on the id details which need to update and click on the send request then the request and response will be as follows.

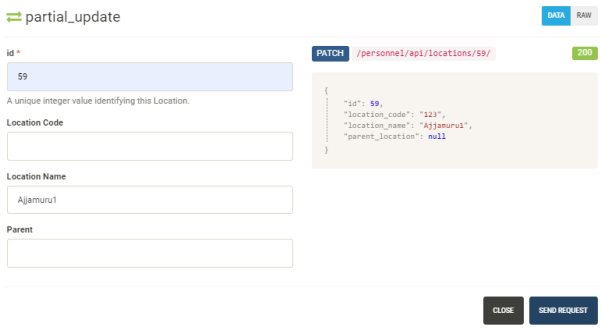


g.Partial Update

Partial update Method is Used for the update the details which is required and those are already created .for example if location1 is created if want to change the particular details of location1 then preferably choose Partial update method.



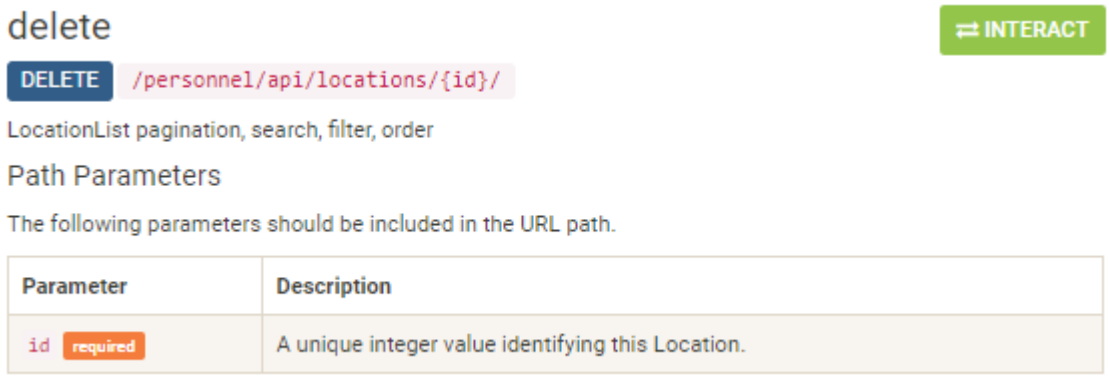
Click on the interact and enter the fields which ever need to update and click on send request.



The response will as be mentioned above in the picture the fields which is changed is only one. if all fields need to be changed then preferably choose update method else partial update method.

h.Delete

Delete Method is used to delete the locations which is already created.

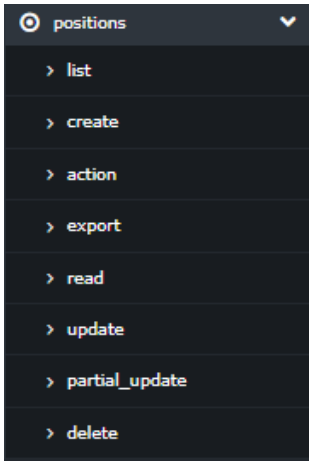


Click on the interact button

Enter the Location which needs to delete then the response will be as follows

4.Positions:

Positions Contains following Methods



a.List:

List is for to get all the Positions present in the software

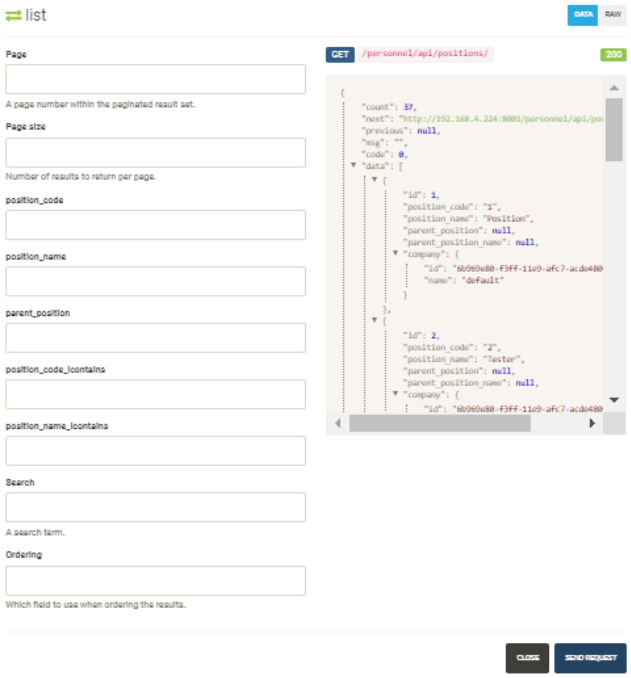
The URL to get all the positions from the software through the api is

Base URL: 127.0.0.1:8001 End Url: /personnel/api/positions/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/personnel/api/positions/

Click on interact button and click on send request to get all positions which are there in software



It displays the whichever Positions present in the software

b.Create

Create Method is used to create the position from Api. created position will reflect in software as well.

127.0.0.1:8001/personnel/api/positions/

Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method

Click on interact button fill the details which ever required to create the position and click on send request.

Enter the details click on POST button the Position with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete, Transfer etc. based on Features Actions are developed

Click on Interact button

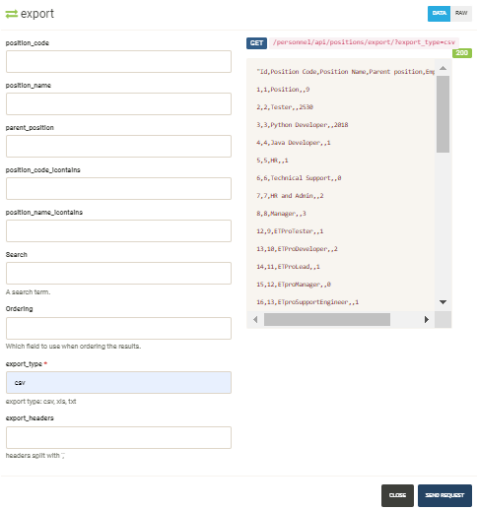
Enter the Location ID and click on Action Type and send Request.

d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

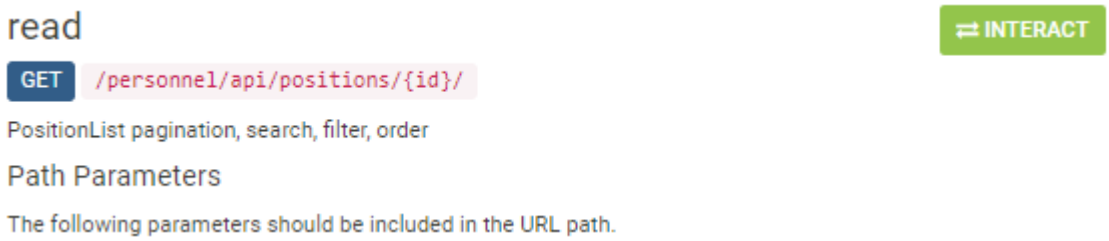
Data can be Export to Files CSV TXT XLS

Enter the required fields and click on send request then the response will be as follows



e.Read

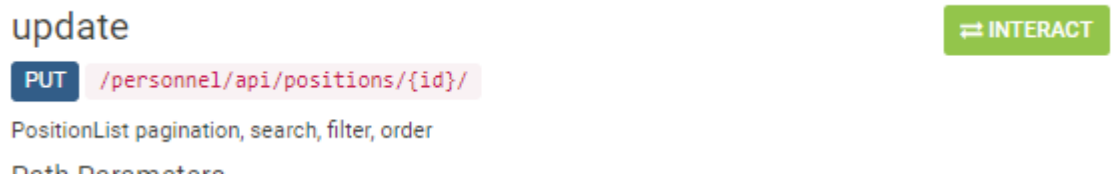
Read Is for to fetch the data based on the ID



Click on the interact button and enter the id click on send request then the response will be as follows

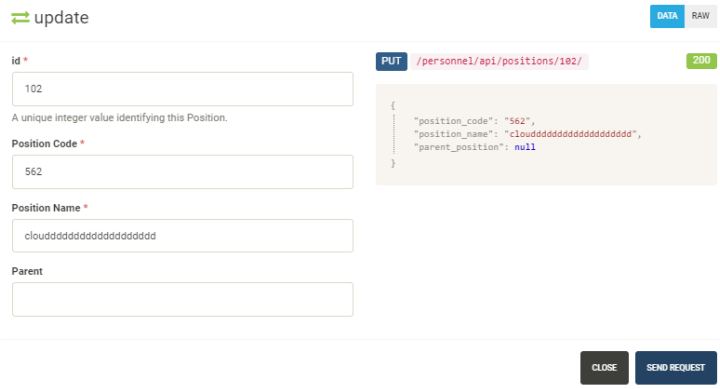
f.Update

Update Method is Used for the update the details which is already created. for example, if position1 is created if want to change the Full details of position1 then preferably choose update method.



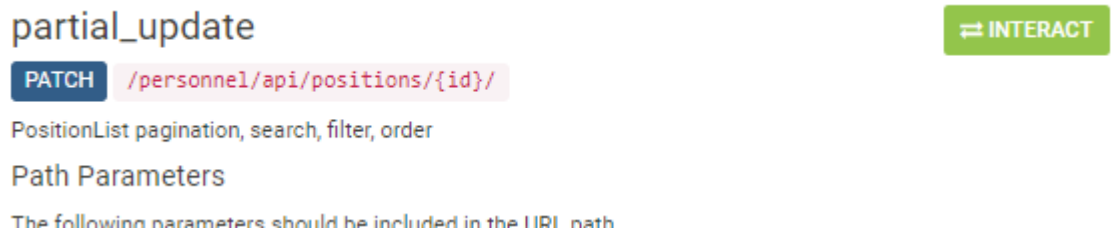
Click on interact button

Fill the details based on the id details which need to update and click on the send request then the request and response will be as follows.

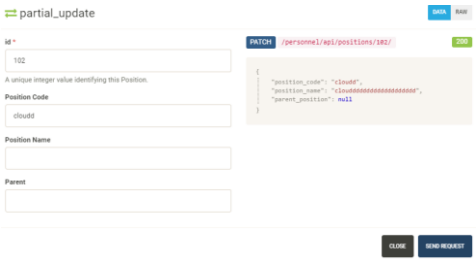


g.Partial Update

Partial update Method is Used for the update the details which is required and those are already created .for example if position1 is created if want to change the particular details of position1 then preferably choose Partial update method.



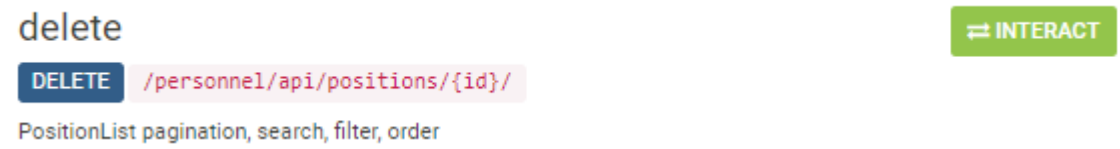
Click on the interact and enter the fields which ever need to update and click on send request.



The response will as be mentioned above in the picture the fields which is changed is only one. if all fields need to be changed then preferably choose update method else partial update method.

h.Delete

Delete Method is used to delete the positions which is already created.

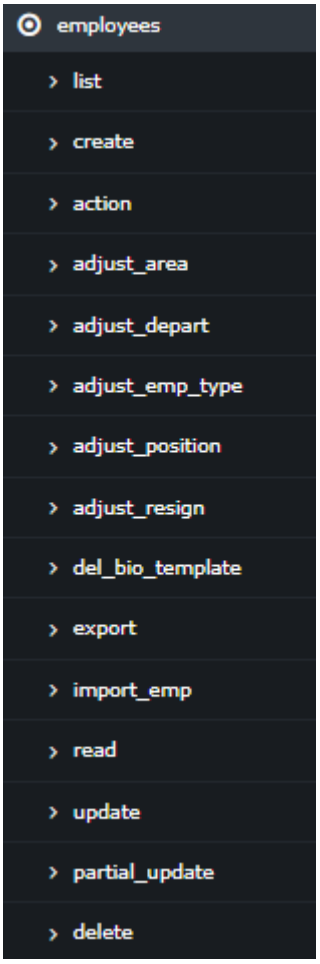


Click on the interact button

Enter the Position which needs to delete then the response will be as follows

4.Employees:

Employees Contains following Methods



a.List:

List is for to get all the Employees present in the software

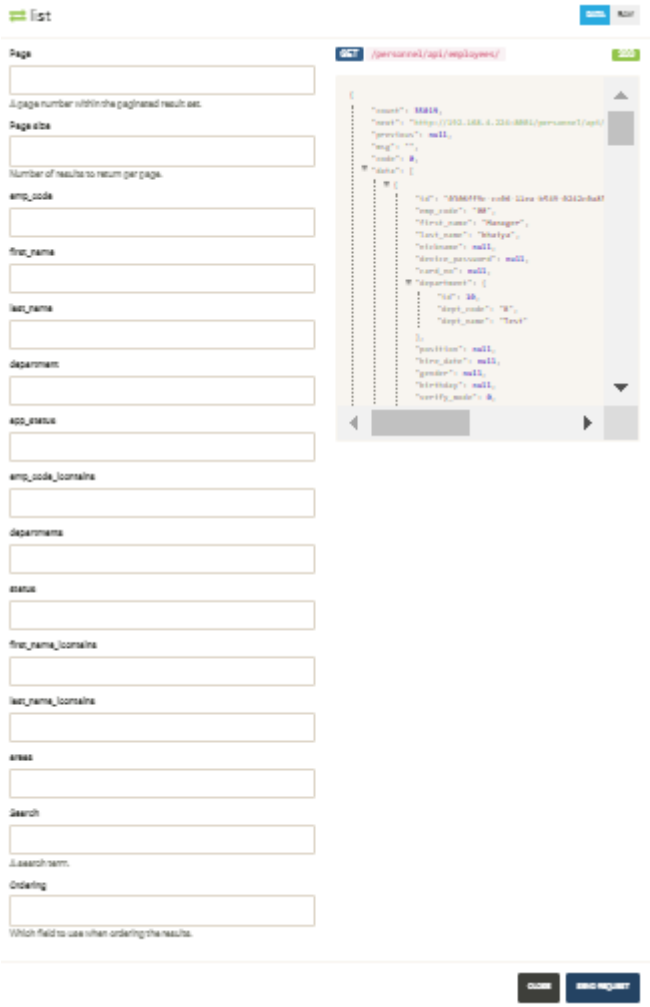
The URL to get all the Employees from the software through the api is

Base URL: 127.0.0.1:8001 End Url: /personnel/api/employees/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/personnel/api/employees/

Click on interact button and click on send request to get all employees which are there in software



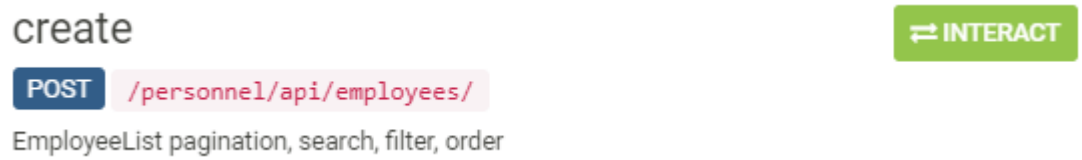
It displays the whichever Employees present in the software

b.Create

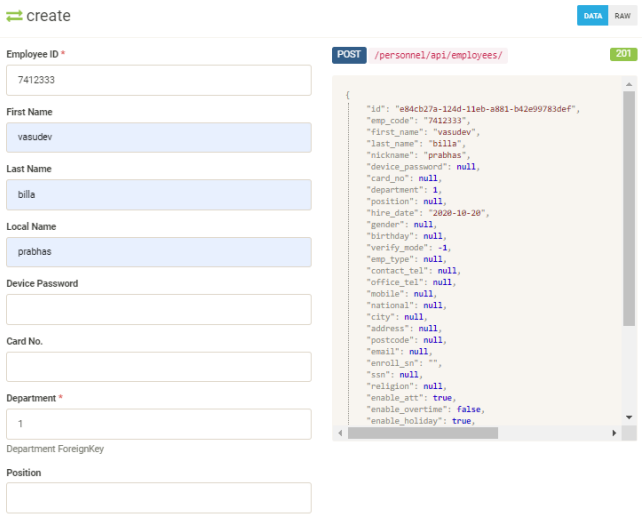
Create Method is used to create the Employee from Api. created Employee will reflect in software as well.

127.0.0.1:8001/personnel/api/employees/

Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method



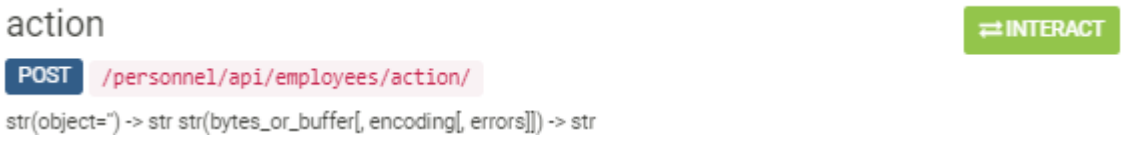
Click on interact button fill the details which ever required to create the Employee and click on send request.



Enter the details click on POST button the Position with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete, Transfer etc. based on Features Actions are developed

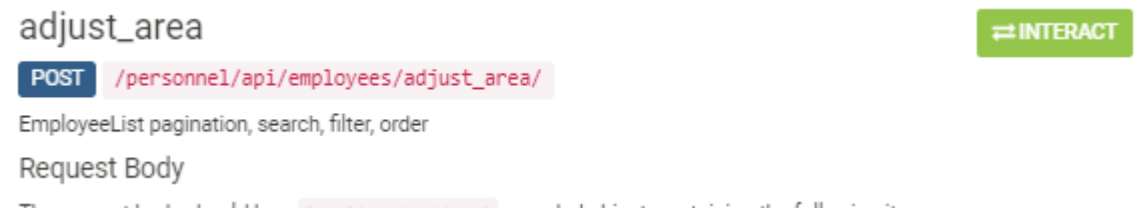


Click on Interact button

Enter the Location ID and click on Action Type and send Request.

d.Adjust_Area:

If Employee is transferred to Another area then Employee area will be adjusted by using adjust_area



click on the adjust area and fill all the fields and click on send request then the request will be as follows.

e.Adjust_Department:

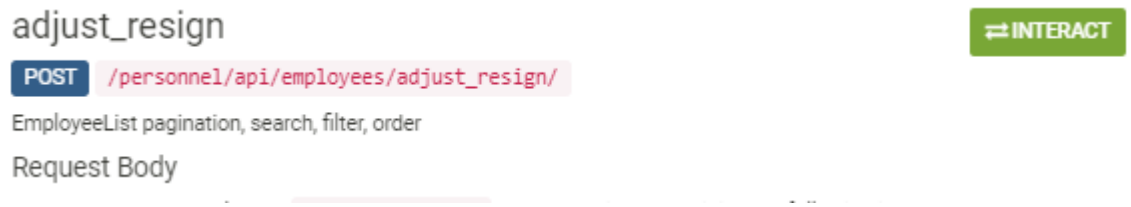
If Employee is transferred to Another Department then Employee Department will be adjusted by using adjust_department

f.Adjust_Position:

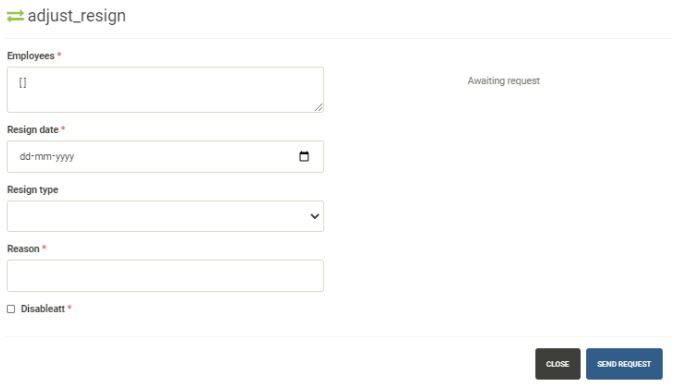
If Employee is transferred to Another Position then Employee Position will be adjusted by using adjust_Position

g.Adjust_Resign:

If Employee is Resigning the Job. then Employee Resign will made through adjust_resign



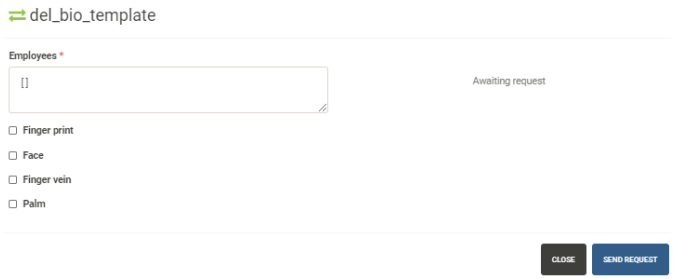
Fill the details and click on submit button



h.Delete_bio_Template:

If Employee is bio-template needs to delete, then action will made through del_bio_template

click on interact button and fill all the fields and submit the request then the response will be

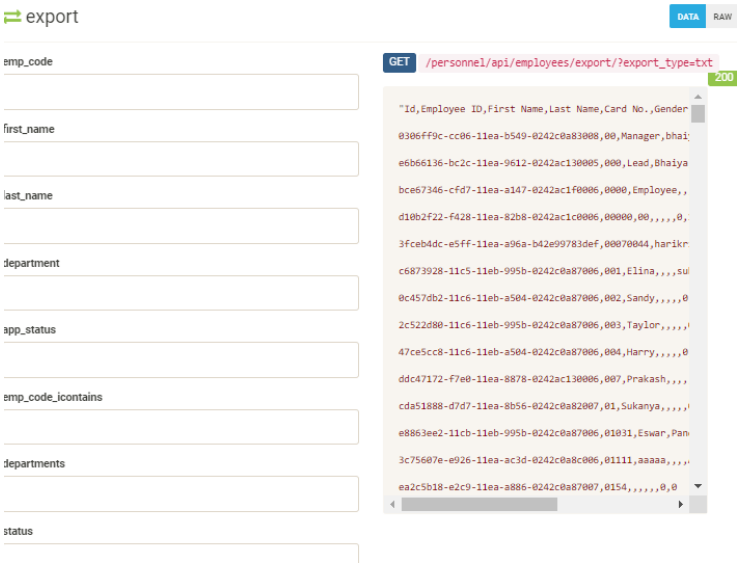


i.Export & Import

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS

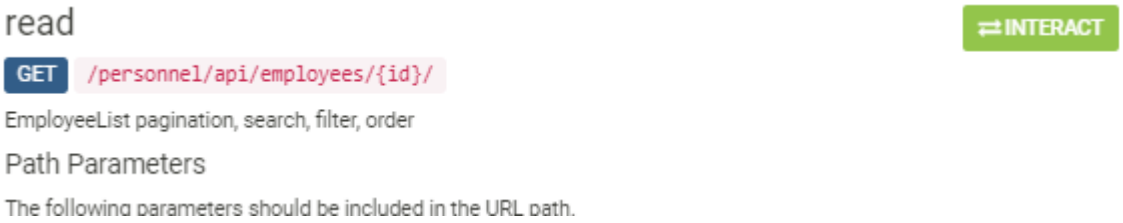
Enter the required fields and click on send request then the response will be as follows



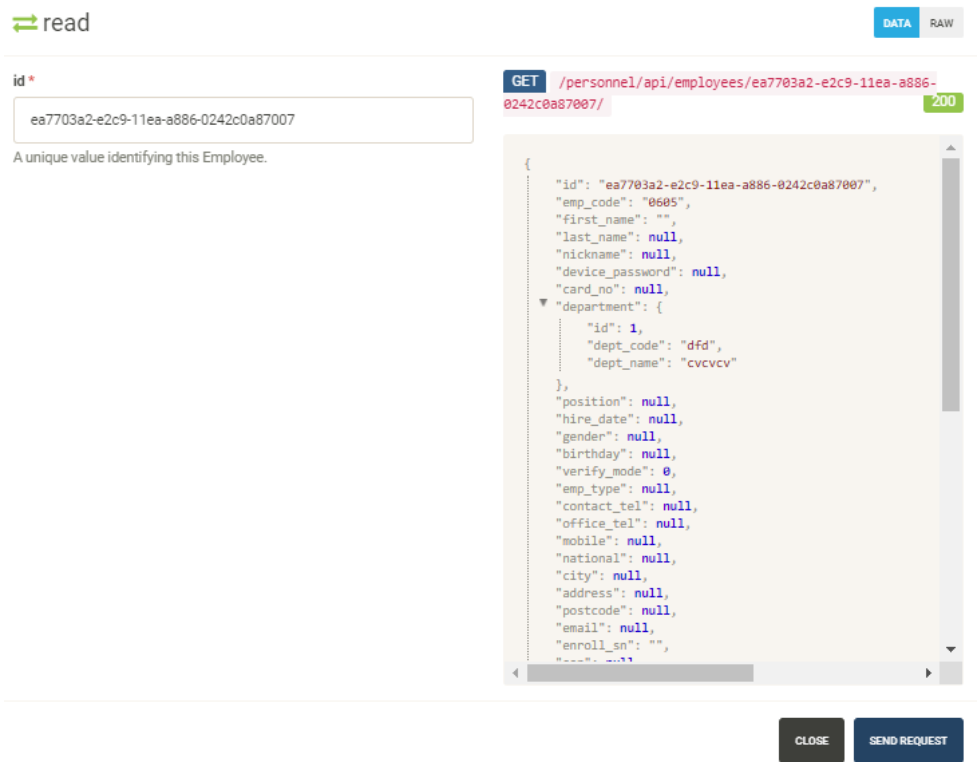
Same way choose the file and import employee data

j.Read

Read Is for to fetch the data based on the ID



Click on the interact button and enter the id click on send request then the response will be as follows

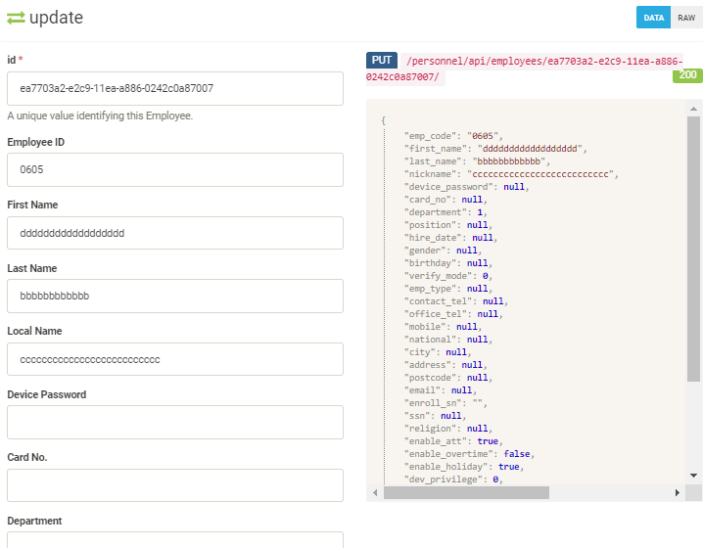


k.Update

Update Method is Used for the update the details which is already created. for example, if employee1 is created if want to change the Full details of employee1 then preferably choose update method.

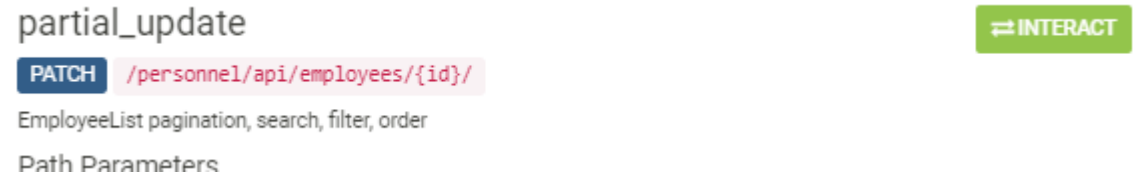
Click on interact button

Fill the details based on the id details which need to update and click on the send request then the request and response will be as follows.

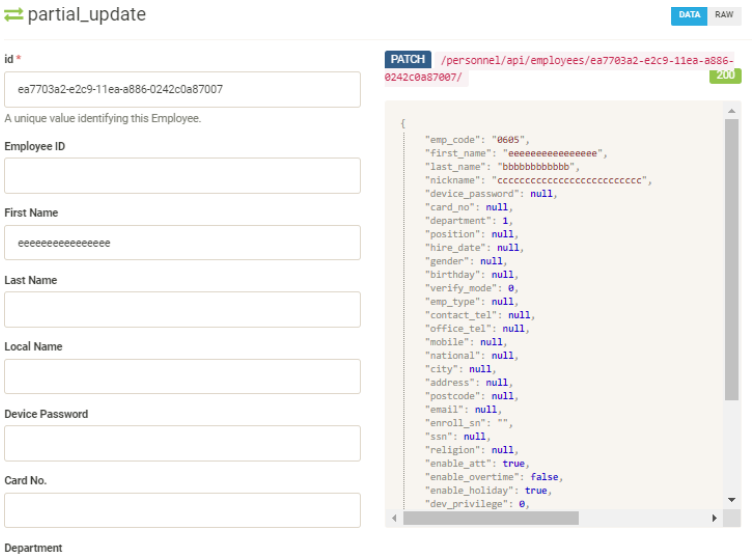


l.Partial Update

Partial update Method is Used for the update the details which is required and those are already created .for example if employee1 is created if want to change the particular details of employee1 then preferably choose Partial update method.



Click on the interact and enter the fields which ever need to update and click on send request.



The response will as be mentioned above in the picture the fields which is changed is only one. if all fields need to be changed then preferably choose update method else partial update method.

m.Delete

Delete Method is used to delete the employees which is already created.

Click on the interact button

Enter the Employee which needs to delete then the response will be as follows

2.ICLOCK API DOCS

Device' related information will be stored in iclock module. It consists of following API's

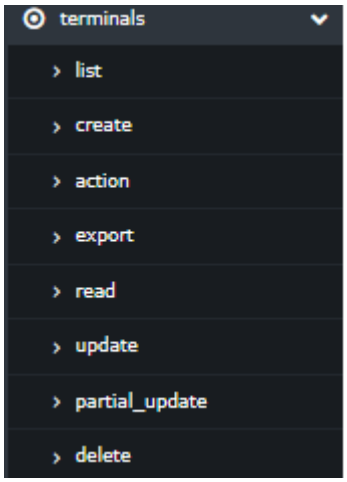
1.Terminals

2.Transactions

Detailed View Personnel API:

1.Terminals:

Terminals Contains following Methods:



a.List:

List is for to get all the devices present in the software

The URL to get all the devices from the software through the api is

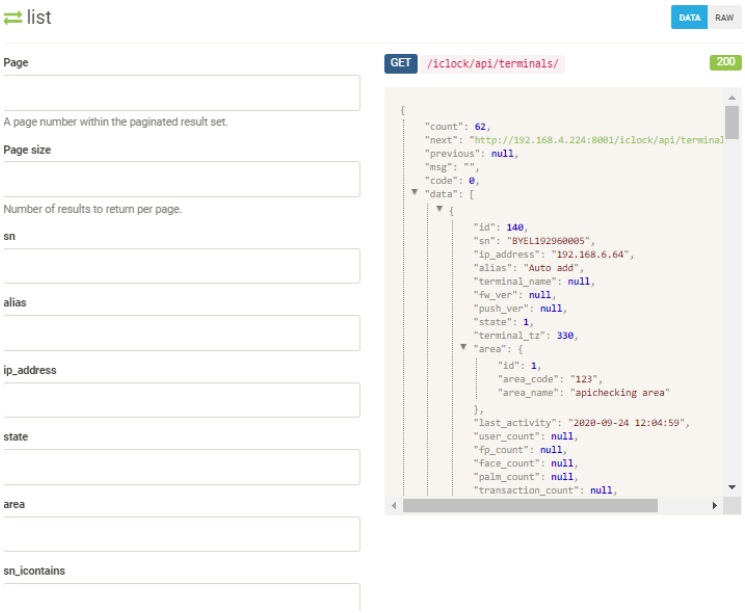
Base URL: 127.0.0.1:8001 End Url: /iclock/api/terminals/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/iclock/api/terminals/

Then it will display as follows:

It displays the whichever areas present in the software



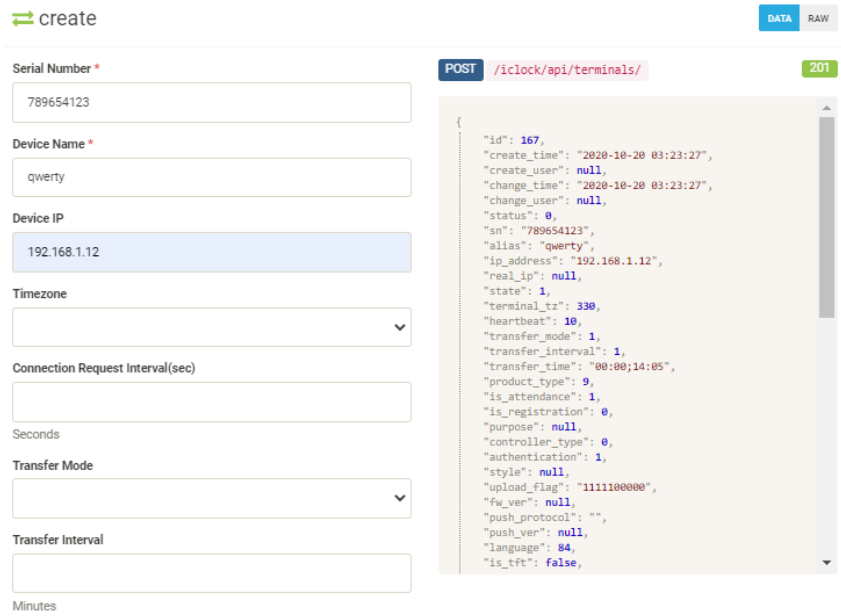
b.Create

Create Method is used to create the terminal from Api this created terminal will reflect in software as well.

127.0.0.1:8001/iclock/api/terminals/

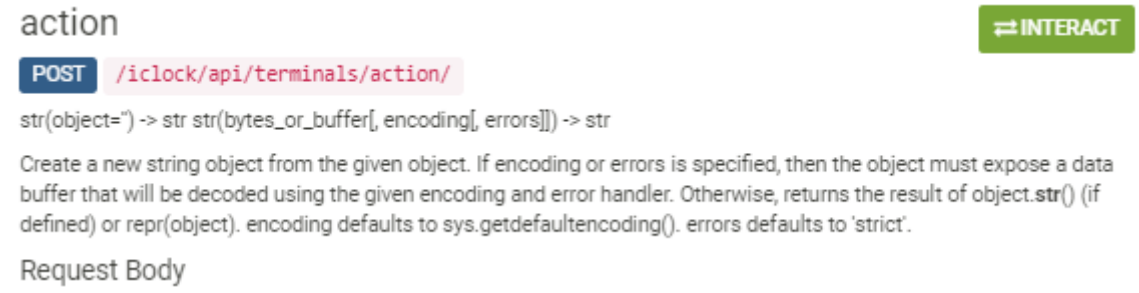
Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method

Enter the details click on POST button the terminal with given details will be created.

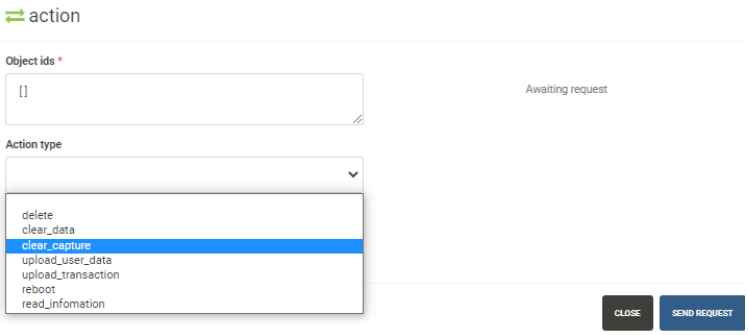


c.Actions

Actions Method is used for some Action Purpose example Delete,Clear data etc. based on Features Actions are developed



Click on Interact button



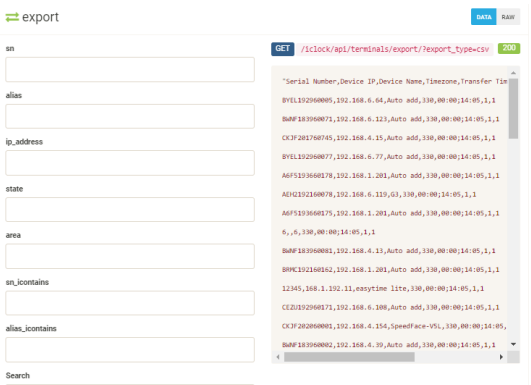
Enter the object ID and click on Action Type and send Request.

d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS

Enter the required fields and click on send request

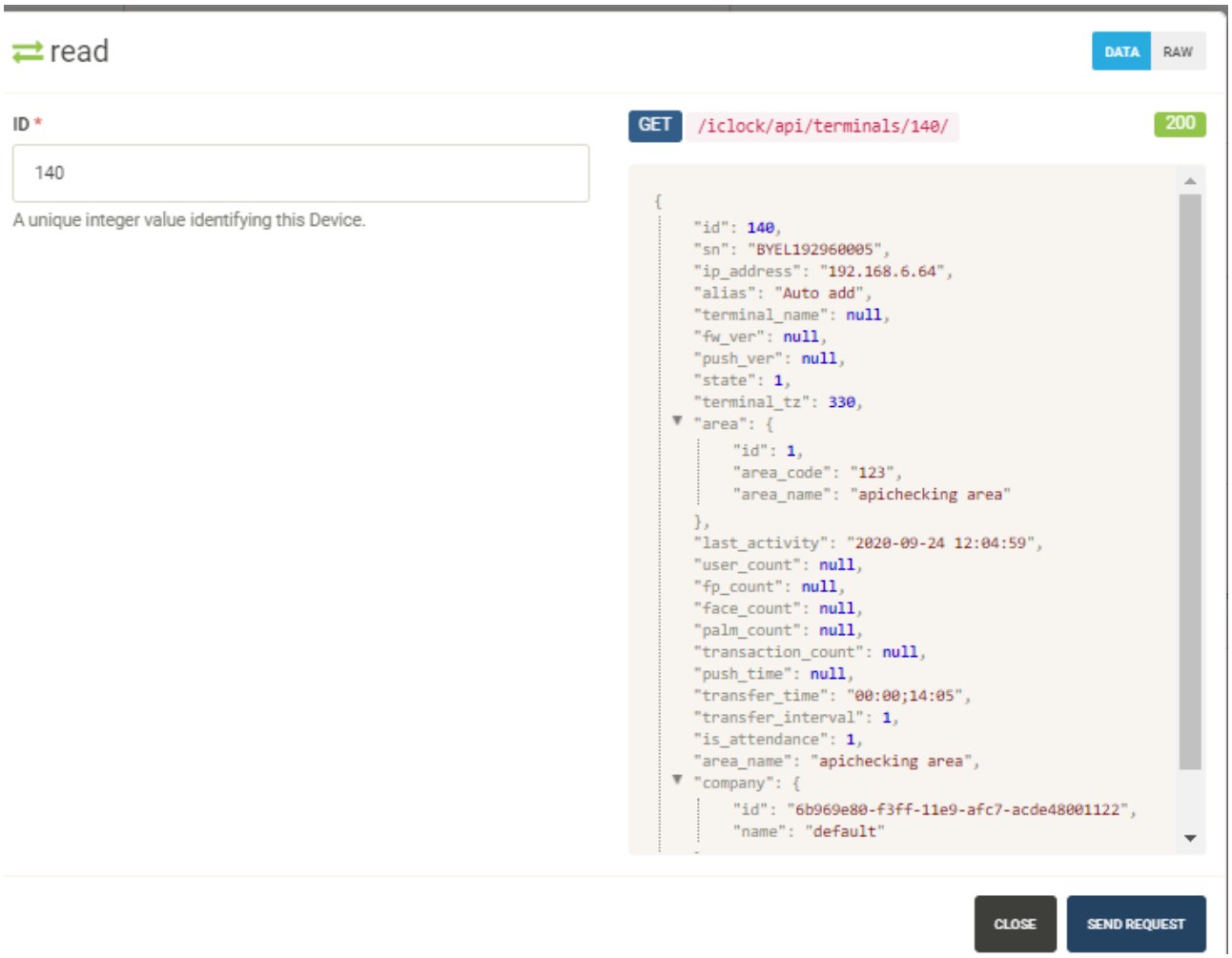


After clicking on Send request data will be Exported.

e.Read

Read Is for to fetch the data based on the ID

Click on the interact button and enter the id click on send request then the response will be as follows



f.Update

Update Method is Used for the update the details which is already created .for example if terminal1 is created if want to change the Full details of terminal1 then preferably choose update method.

Click on interact button

Fill the details based on the id details which need to update and click on the send request .

g.Partial Update

Partial update Method is Used for the update the details which is required and those are already created .for example if terminal1 is created if want to change the particular details of terminal1 then preferably choose Partial update method.

Click on the interact and enter the fields which ever need to update and click on send request.

if all fields need to be changed then preferably choose update method else partial update method.

h.Delete

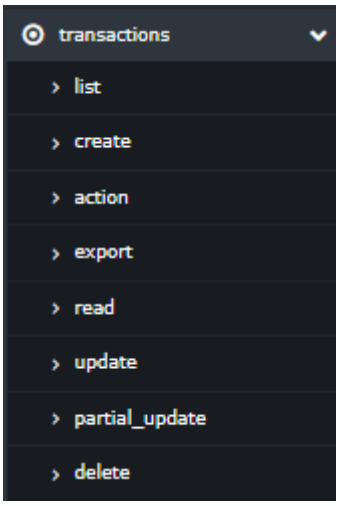
Delete Method is used to delete the area which is already created.

Click on the interact button

Enter the Area which needs to delete then the response will be as follows

2.Transactions:

Transactions Contains following Methods



a.List:

List is for to get all the Trasactions present in the software

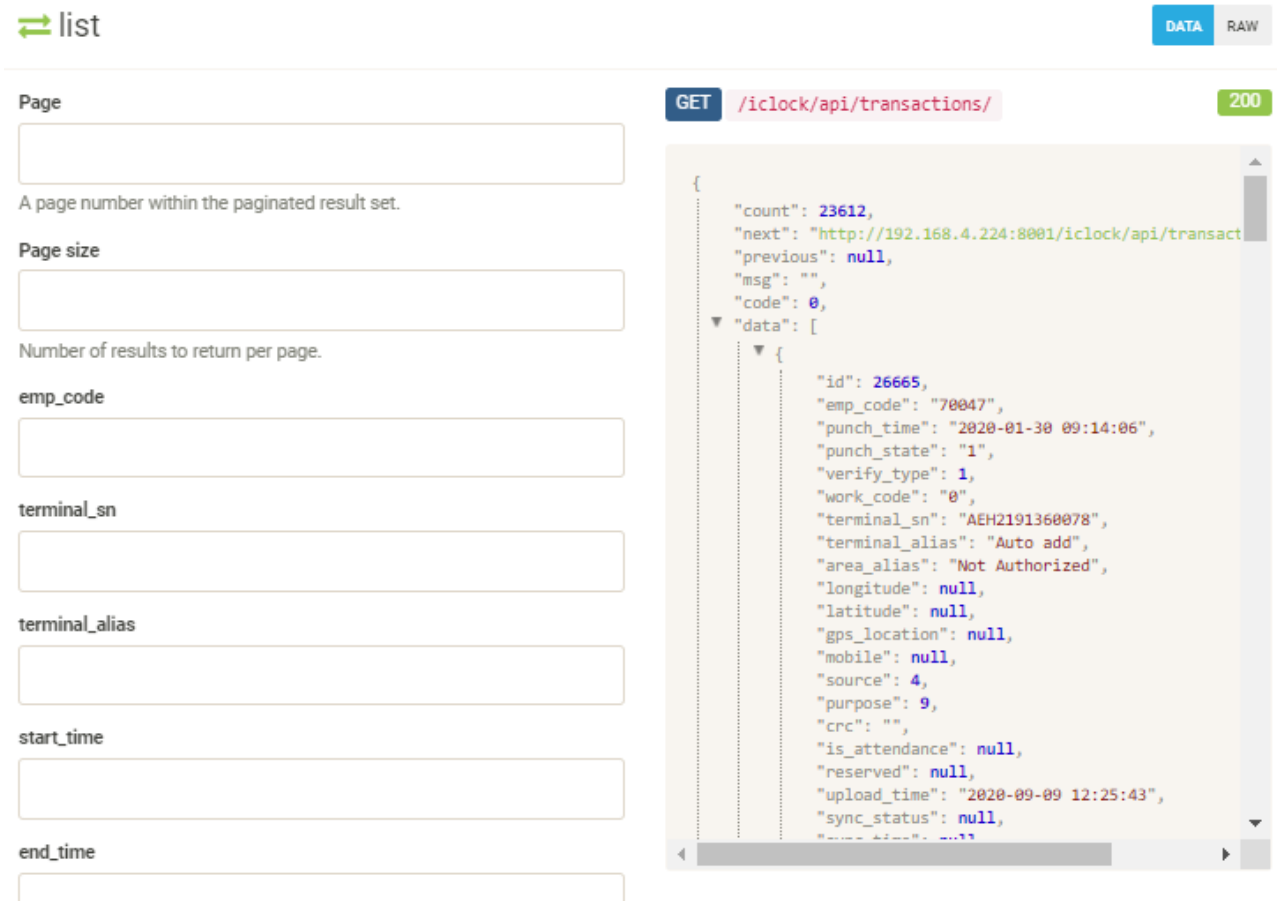
The URL to get all the transactions from the software through the api is

Base URL: 127.0.0.1:8001 End Url: /iclock/api/transactions/

In browser in need to consider Base URL + End URL i.e.,

127.0.0.1:8001/iclock/api/transactions/

Click on interact button and click on send request to get all departments which are there in software



It displays the whicheverTransactions present in the software

b.Create

Create Method is used to create the Transaction from Api. created Transaction will reflect in software as well.

127.0.0.1:8001/iclock/api/transactionss/

Remember: For List and Create Method URL will same the only difference is for List will require GET Method and Create will require POST Method

Click on interact button fill the details which ever required to create the transaction and click on send request.Enter the details click on POST button the Transaction with given details will be created.

c.Actions

Actions Method is used for some Action Purpose example Delete.based on Features Actions are developed

Click on Interact button

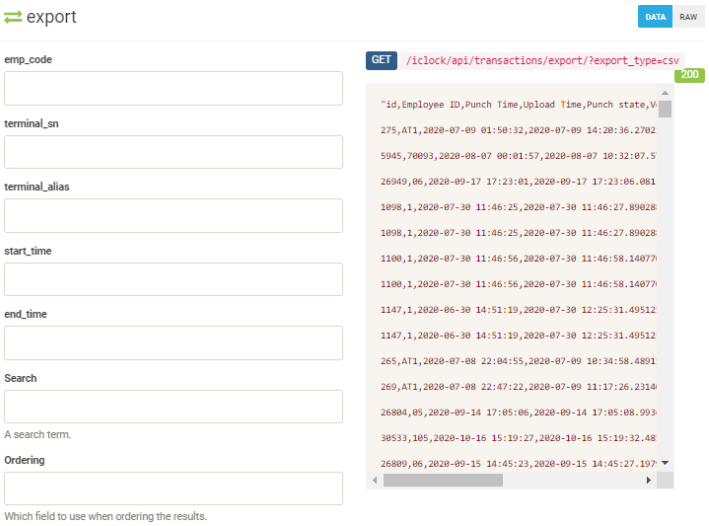
Enter the Department ID and click on Action Type and send Request.

d.Export

Export is one of the key Feature in the software it will helps in Export All data present in the Particular Feature.

Data can be Export to Files CSV TXT XLS

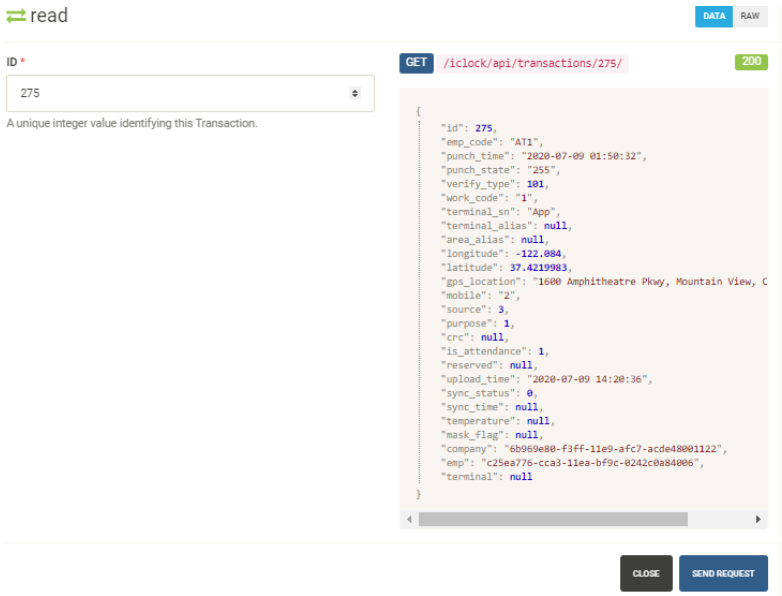
Enter the required fields and click on send request then the response will be as follows



e.Read

Read Is for to fetch the data based on the ID

Click on the interact button and enter the id click on send request then the response will be as follows



f.Update

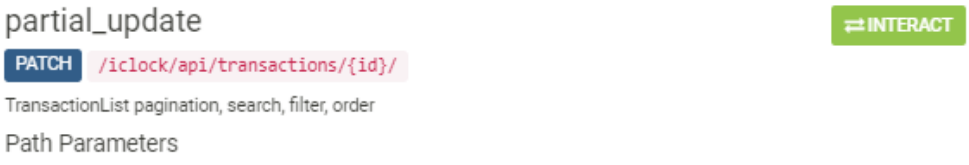
Update Method is Used for the update the details which is already created. for example if transaction1 is created if want to change the Full details of transaction1 then preferably choose update method.

Click on interact button

Fill the details based on the id details which need to update and click on the send request.

g.Partial Update

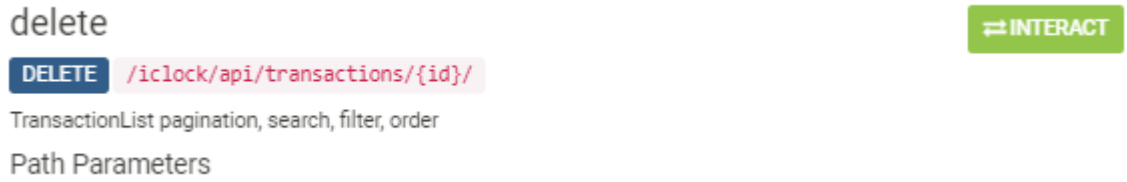
Partial update Method is Used for the update the details which is required and those are already created .for example if transaction1 is created if want to change the particular details of transaction1 then preferably choose Partial update method.



Click on the interact and enter the fields which ever need to update and click on send request.If all fields need to be changed then preferably choose update method else partial update method.

h.Delete

Delete Method is used to delete the department which is already created.



Click on the interact button

Enter the Transaction which needs to delete then the response will be as follows