

Noah's Big Fancy Server Documentation

For RESTFUL servers

Message me on Discord @TheNoxNox#3693 with any issues

[HOST] means the IP address of the machine hosting the server, be it yours or another machine.

Part 1: GET requests to the server

[HOST]/rest/employees

GET



http://192.168.56.102/rest/employees

(Example)

This GET request returns a JSON array of all employees in the **Response Body**. As simple as it gets.

Body Cookies Headers (8) Test Results

Pretty

Raw

Preview

Visualize

JSON



```
1  [
2    {
3      "emp_id": "A-C71970F",
4      "fname": "Aria",
5      "minit": "",
6      "lname": "Cruz",
7      "job_id": 10,
8      "job_lvl": 87,
9      "pub_id": "1389",
10     "hire_date": "19911026"
11   },
12   {
13     "emp_id": "A-R89858F",
14     "fname": "Annette",
15     "minit": "",
16     "lname": "Roulet",
17     "job_id": 6,
18     "job_lvl": 152,
19     "pub_id": "9999",
```

(Return example)

[HOST]/rest/employees/[ID]

| | | |
|-----|---|--|
| GET | ▼ | http://192.168.56.102/rest/employees/A-C71970F |
|-----|---|--|

This GET request returns a single employee as a JSON object in the **Response Body**.

Body Cookies Headers (8) Test Results

| | | | |
|--------|-----|---------|-----------|
| Pretty | Raw | Preview | Visualize |
|--------|-----|---------|-----------|

JSON ▼

```
1  [
2    {
3      "emp_id": "A-C71970F",
4      "fname": "Aria",
5      "minit": "",
6      "lname": "Cruz",
7      "job_id": 10,
8      "job_lvl": 87,
9      "pub_id": "1389",
10     "hire_date": "19911026"
11   }
12 ]
```

The Employee returned is determined by the ID specified in the **URL Path** that the request is made to. If an ID is used that does not correspond to an Employee entry in the database, empty JSON data will be returned.

| | | |
|-----|---|---------------------------------|
| GET | ▼ | http://192.168.56.102/rest/jobs |
|-----|---|---------------------------------|

[HOST]/rest/jobs

This GET request returns a list of all jobs as JSON Array in the **Response Body** returned to the request.

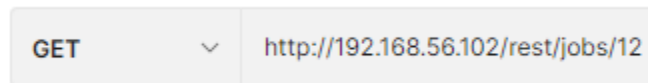
Body Cookies Headers (8) Test Results

| | | | |
|--------|-----|---------|-----------|
| Pretty | Raw | Preview | Visualize |
|--------|-----|---------|-----------|

JSON ▼

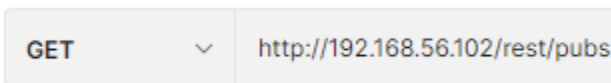
```
1  [
2    {
3      "job_id": 1,
4      "job_desc": "New Hire - Job not specified",
5      "min_lvl": 10,
6      "max_lvl": 10
7    },
8    {
9      "job_id": 2,
10     "job_desc": "Chief Executive Officer",
11     "min_lvl": 200,
12     "max_lvl": 250
13   },
14   {
15     "job_id": 3,
16     "job_desc": "Business Operations Manager",
17     "min_lvl": 175,
18     "max_lvl": 225
19   },
20 ]
```

[HOST]/rest/job/[JOB_ID]



This GET request returns a single Job as a JSON object in the **Response Body** sent back to the request source.

The job returned will be the one with an ID matching the one specified in the **URL Path**. If no matching job is found, empty JSON data will be returned.

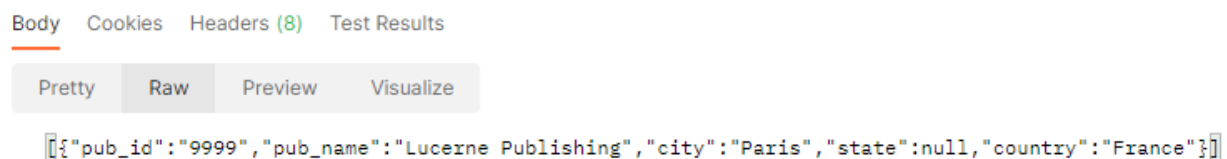
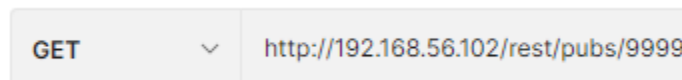


[HOST]/rest/pubs



This GET request returns a JSON array (pictured in raw text version above; this is how it arrives to the client machine) of all Publishers located in the **Response Body**.

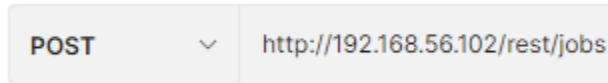
[HOST]/rest/pubs/[ID]



This GET request returns a single Publisher JSON object, specified by the ID used in the **URL Path**. Returns empty if no matching Publisher, as is standard.

Part 2: POST requests to the server

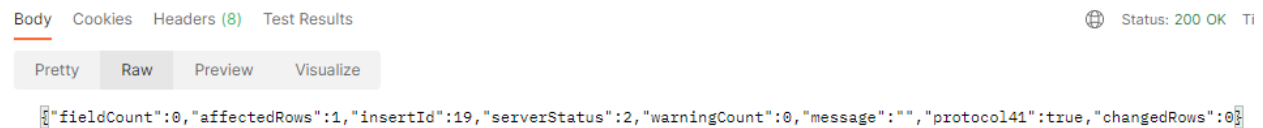
[HOST]/rest/jobs



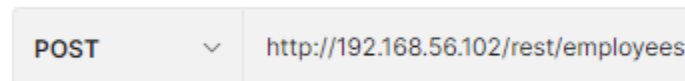
This POST request adds a new job to the jobs database. The request expects a **JSON Job Object** in the **Request Body**. The **job_desc** field is the job's name and wants string data, whereas the min and max level parameters should be integer values (converted to JSON) that are greater or equal to 0.



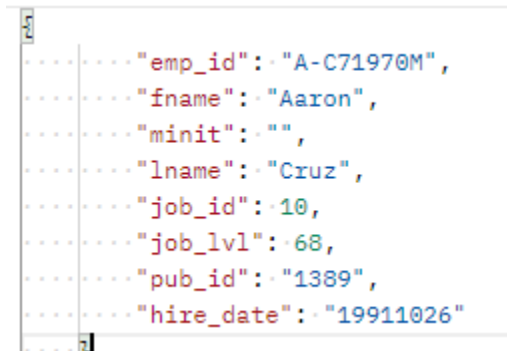
If successful, the return will be information about the SQL query execution:



[HOST]/rest/employees




This POST request works similarly to the last one, adding a new Employee entry to the database. It expects a **JSON Employee Object** in the **Request Body**.



ALL fields except for the **minit** field MUST NOT be empty. Job_id should correspond to an existing Job, and pub_id should correspond to an existing publisher. The hire_date field is formatted in [YYYYMMDD] style as a string.


Part 3: PUT requests to the server









[HOST]/rest/employees

PUT 

http://192.168.56.102/rest/employees

This is the only PUT request in the API, and functions **EXACTLY THE SAME** as the POST employees request, with one exception. The only parameters in the **Employee JSON Object** included in the **request body** that will be updated are the `job_id` and `job_lvl` fields. All changes shown in the following screenshot (to the `fname` and `minit` fields) will NOT BE UPDATED in the database, even if the request is successfully received.

Params Authorization Headers (8) Body  Pre-request Script Tests Settings

 none  form-data  x-www-form-urlencoded  raw  binary  GraphQL  JSON 

```
1  {
2      "emp_id": "TDC71970M",
3      "fname": "Tao",
4      "minit": "Dynamite",
5      "lname": "Cruz",
6      "job_id": 10,
7      "job_lvl": 68,
8      "pub_id": "1389",
9      "hire_date": "19911026"
10 }
```

Part 4: DELETE requests to the server

[HOST]/rest/employees/[ID]

| | | |
|--------|---|--|
| DELETE | ▼ | http://192.168.56.102/rest/employees/A-C71970M |
|--------|---|--|

This DELETE request will remove the corresponding employee entry in the database, according to the employee ID provided in the **URL Path** of the request. If successful, return information will be data about the sql query executed.

Body Cookies Headers (8) Test Results

| | | | | | |
|--------|-----|---------|-----------|--------|---|
| Pretty | Raw | Preview | Visualize | JSON ▼ | ≡ |
|--------|-----|---------|-----------|--------|---|

```
1  {
2    "fieldCount": 0,
3    "affectedRows": 1,
4    "insertId": 0,
5    "serverStatus": 2,
6    "warningCount": 0,
7    "message": "",
8    "protocol41": true,
9    "changedRows": 0
10 }
```