

Lab 11

Now that we finish our custom report and events, I would like to go back and make one small change.

This bring me back to StrongLoop, as we mention the MFP provide you the capability to collect analytics, force updates and etc even if you are not using adapters, lets see how we can access our REST Api (existing investment or not) directly and still leverage the platform features.

Lets get started :

1. First lets run the SL server, Navigate to your SL project folder and run the following command :

```
$ node .
```

2. Open the browser and navigate to : <http://0.0.0.0:3000/explorer>

LoopBack Application

employee	Show/Hide	List Operations	Expand Operations
User	Show/Hide	List Operations	Expand Operations

[BASE URL: /api , API VERSION: 1.0.0]

ERROR { }

3. Click on the employee -> Get

employee	Show/Hide	List Operations	Expand Operations
GET /employees	Find all instances of the model matched by filter from the data source.		

4. Press on the "Try it out" button and make sure you get a list of employees as the results

Try it out! [Hide Response](#)

Response Body

```
[
  {
    "_id": 1800091,
    "first_name": "Paul",
    "last_name": "Jones",
    "img": "",
    "job_title": "QA Manager"
  },
  {
    "_id": 1800114,
    "first_name": "Gary",
    "last_name": "Donovan",
    "img": "",
    "job_title": "Marketing Manager"
  },
  {
    "_id": 1800121,
    "first_name": "Eugene",
    "last_name": "Lee",
    "img": "",
  }
]
```

5. If you get as a response empty list, please follow the next steps to generate some data.

5.1. Open the Terminal and navigate to : PROJECT_PATH/SLTechExEmployee/server

5.2 Run the following command :

```
$ node import-employees.js
```

6. On your browser press again on the "Try it out" button and you should be able to see list of employees as response.

7. Now that we have the SL API running lets open our IBMTechEXEmployee project using Brackets

8. Open the app.js file and navigate to EmployeeService

9. Modify the WLResourceRequest and change the url to :

```
http://0.0.0.0:3000/api/employees
```

10. Modify the success call back and change the code

From :

```
employees = response.responseJSON.employees;
```

To :

employees = response.responseJSON;

Your code should look like this :

From :

```
//application services for employee and employee details.
ibmApp.factory("EmployeeService", function($http){
  console.log( ">> in EmployeeService ...");
  var employees = [];
  var resourceRequest = new WLResourceRequest(
    "/adapters/EmployeeServices/services/list", WLResourceRequest.GET
  );
  return {
    getEmployeeList: function(){
      return resourceRequest.send().then(function(response){
        employees = response.responseJSON.employees;
        return employees;
      }, function(response){
        console.log("error:" + response);
        return null;
      });
    },
    getEmployee: function(index){
      return employees[index];
    },
    getEmployeeById: function(id){
      var _emp;
      angular.forEach(employees, function(emp) {
        console.log(">> getEmployeeById : " + id + " == " + emp._id );
        if(emp._id == id){ _emp = emp; }
      });
      return _emp;
    }
  };
});
```

To :

