

# ERP API Documentation

## Get asset list

```
$ curl -v -X GET {URL:port}/api/erp
```

## Get specific asset with ID

```
$ curl -v -X GET {URL:port}/api/erp/{id}
```

## Create asset (POST)

```
$ curl -d "asset_id=1234&brand=Dell&name=X1203&price=500&ram_type=DDR2&ram_size=8" -v -X POST {URL:port}/api/erp
```

## Delete asset (DELETE)

```
$ curl -v -X DELETE {URL:port}/api/erp/{id}
```

## Configuration / Installation:

1. Place the folder in Htdocs of Apache server.
2. Place Vhost:

```
3.
4.         <VirtualHost *:9092>
5.             ServerName api.application.local
6.             ServerAdmin shankey.kedia@gmail.com
7.
8.             ## Vhost docroot
9.             DocumentRoot "PATH_TILL_HTDPCS/ZF3/public"
10.            <Directory "PATH_TILL_HTDPCS/ZF3/public">
11.                DirectoryIndex index.php
12.                AllowOverride All
13.                Order allow,deny
14.                Allow from all
15.                <IfModule mod_authz_core.c>
16.                    Require all granted
17.                </IfModule>
18.            </Directory>
19.            ## Custom fragment
20.            AddType application/x-httpd-php .php
21.        </VirtualHost>
```

22. FILE PATH : ZF3\module\Application\config\module.config.php  
Configure base\_path in the mentioned file  
`'base_path' => 'http://localhost:9092',`
23. FILE PATH : ZF3\config/autoload\global.php  
Configure Database Connection in the mentioned file

```
'params' => [ 'host' => 'localhost', 'port' => '3306', 'user' => 'root',  
'password' => 'vagrant', 'dbname' => 'test', 'driverOptions' => [ 1002 => 'SET  
NAMES utf8' ]
```

## MySQL Database Schema & sample data:

```
CREATE TABLE `erp_data` (  
  `id` INT(11) NOT NULL AUTO_INCREMENT,  
  `asset_id` MEDIUMINT(9) NULL DEFAULT NULL,  
  `brand` VARCHAR(99) NULL DEFAULT NULL,  
  `name` VARCHAR(99) NULL DEFAULT NULL,  
  `price` FLOAT NULL DEFAULT '0',  
  `ram_type` VARCHAR(50) NULL DEFAULT '0',  
  `ram_size` INT(11) NULL DEFAULT '0',  
  PRIMARY KEY (`id`)  
);
```

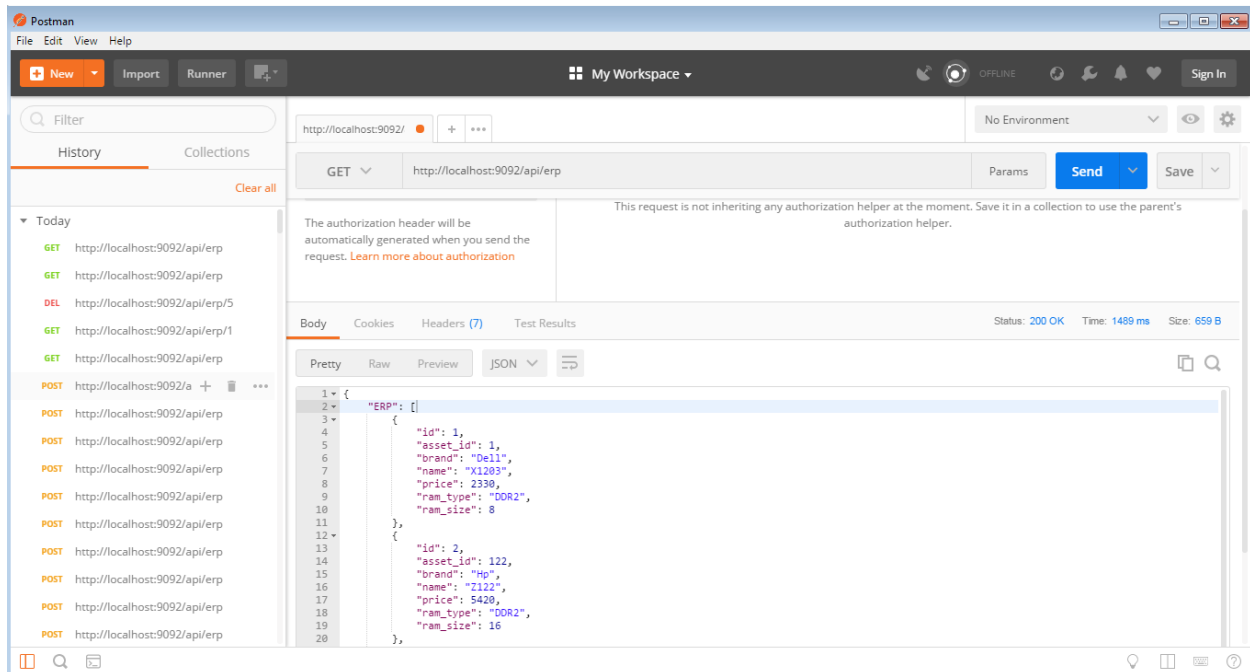
```
INSERT INTO `erp_data` (`id`, `asset_id`, `brand`, `name`, `price`, `ram_type`,  
`ram_size`) VALUES (1, 1, 'Dell', 'X1203', 2330.02, 'DDR2', 8);  
INSERT INTO `erp_data` (`id`, `asset_id`, `brand`, `name`, `price`, `ram_type`,  
`ram_size`) VALUES (2, 122, 'Hp', 'Z122', 5420, 'DDR2', 16);  
INSERT INTO `erp_data` (`id`, `asset_id`, `brand`, `name`, `price`, `ram_type`,  
`ram_size`) VALUES (3, 112, 'Lenovo', '360', 2212, 'DDR2', 8);  
INSERT INTO `erp_data` (`id`, `asset_id`, `brand`, `name`, `price`, `ram_type`,  
`ram_size`) VALUES (4, 1123, 'Dell', 'Pro', 990, 'DDR2', 32);
```

## Note:

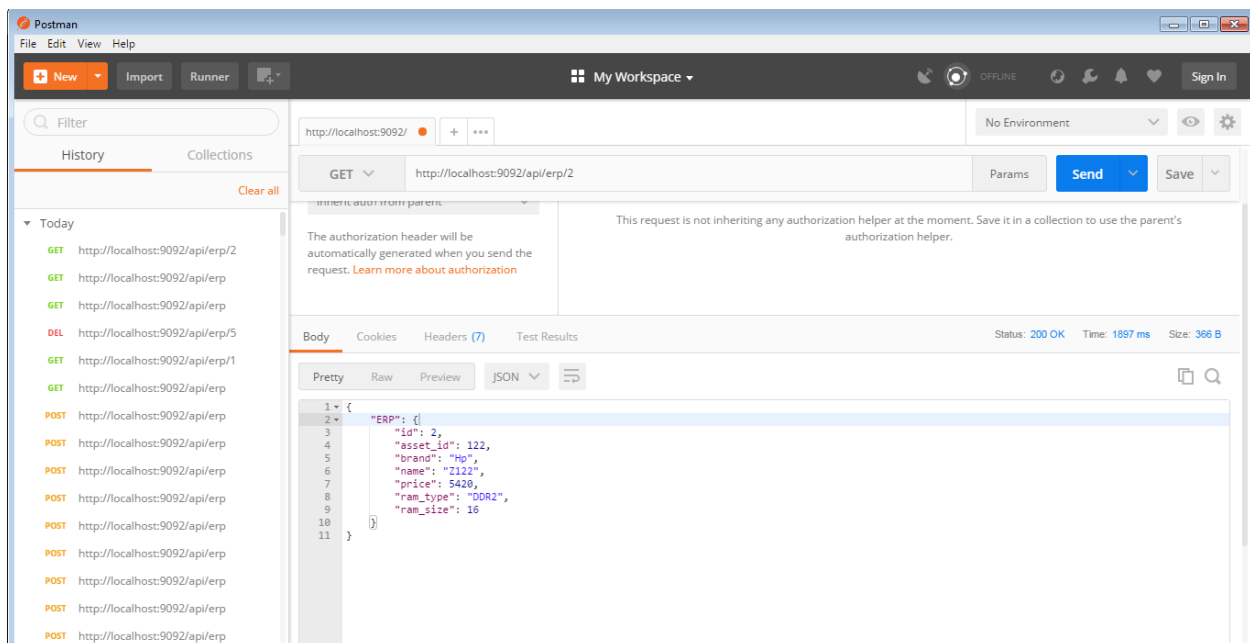
- API Key used are:
  - asset\_id
  - brand
  - name
  - price
  - ram\_type
  - ram\_size
- Please have a note on the API methods (GET, POST, DELETE).
- Id is the table index ID not the asset ID. Asset ID is different.
- Asset ID is unique.
- Price should be greater than 0.
- Keys provided are mandatory.
- For the sake of Keeping application minimal Authentication Token is not implemented.
- Added filter within framework to involve soft validation.
- For sake of easyness POSTMAN application can be used for CURL.

Screen Shots for the API functionalities:

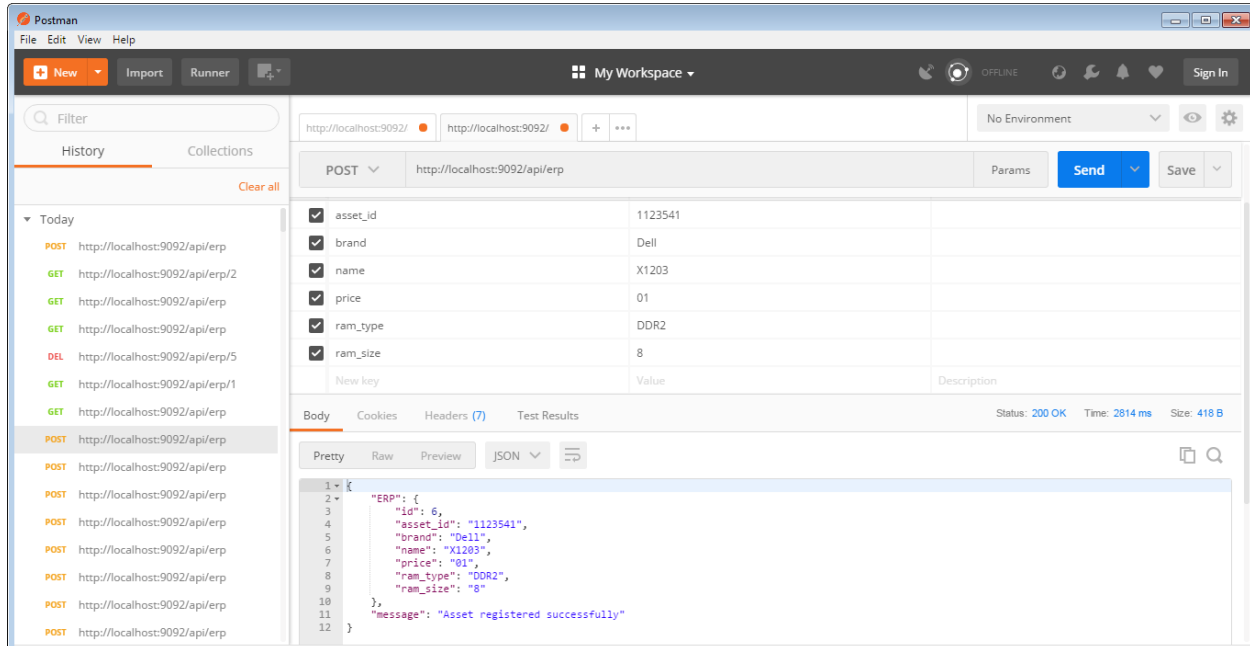
## Get List



## Get with ID



## Create Asset



## Delete Asset

