7/6/2015

D3\_Angular

The purpose of this application is to provide some examples on how to call and utilize REST Web Services from D3. The application is written in HTML, JavaScript, Angular.js, and Bootstrap. Please note that this sample project is for instructional use and is not intended to be production ready. The purpose is to provide a working example that can be used as a reference for how you can connect to D3 or mvBase by leveraging RESTful Web Services and Consume JSON results from an Angular.js application.

This example leverages the D3 Acme Account. The following lists the requirements for running the demo:

1. MVS Web Service Provider:
   1. Microsoft Windows Server 2008 & 2012 with the latest service pack (both 32 and 64 bit systems).
   2. Red Hat Enterprise Linux/Cent OS 5.11 and 6.4 or later (both 32 and 64 bit systems)

### Supported Databases

### Minimum (with ability to create Web Services)

### D3 9.0 or higher

### mvBase 3.0 or higher

### Currently preferred (with ability to leverage Connection Pooling)

### D3 AIX 9.1.1 or higher

### D3 Linux 9.2 with patch M9 or higher

### D3 Windows 9.2.1 or higher

### Connection pooling is not supported

1. MVSP

|  |  |  |
| --- | --- | --- |
| **MVS Toolkit Version** | **D3 Version** | **MVSP Version** |
| 2.1 | 9.1 | 1.8.4 |
| 2.1 | 9.0 | 1.7.4 |
| 2.0 | 9.0 | 1.7.3 |
| 2.0 | 9.1 | 1.8.1 |
| 1.1 | 9.0 | 1.7.x |
| 1.1 | 9.1 | 1.8.x |
|  |  |  |

* 1. The required MVSP version will vary depending upon your MVS Toolkit and D3 Database versions.

1. Download and restore the pseudo tape backup of the Acme\_Account.d3p
2. Install the MVS Toolkit
   1. Microsoft Windows Server 2008 & 2012, Windows 7 & 8 with the latest service pack (both 32 and 64 bit systems).
3. Download and Import the Invoices-webservice.xml Web Services definition from the Web Services Directory of the D3/mvBase Tech Days example directories.
4. Re-Map the Web Services Paths to match your D3 installation and MVSP Server.
5. A Web Server must be installed. I leveraged XAMPP which is a bundled installation of Apache. https://www.apachefriends.org/download.html
6. You may want to download an editor that is PHP enabled.
7. Place the D3\_Angular folder in the required Web Server location. For XAMPP it is located in ./xampp/hdocs
8. All the necessary libraries that comprise the Angular.js and Bootstrap are included in the project.
9. You may want to download a free editor from Adobe called Brackets that is excellent for developing in the Angular.js framework. https://github.com/adobe/brackets
10. Change the hardcoded URI <http://localhost:8181> in the CustListFactory.js, InvoicesListFactory.js, Invoicefactory.js to point to your correct server path. Note: this was hard coded to demonstrate what the required parameters are. You would not want this hardcoded for production development.
11. To launch the application, simply open a browser and input the url that paths to the correct location such as http://den-vm-dg02:81/d3\_angular/#/

Note: 81 is the port that the Apache Web server is listening on.