7/6/2015

WindowsFormsApplication\_Acme\_Rest

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 C#, however, the principals can be applied to any of the supported languages of .NET

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.

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. Visual Studio must be installed.
6. Select Open Project and navigate to this WindowsFormsApplication\_Acme\_Rest demo project.
7. The included project should have the Newtonsoft.net json library included. However, if needed you download the Jason.net library from <http://www.newtonsoft.com/json> and include it into your project.
8. You will have to change the hardcoded URI http://den-vm-dg02:8181 location in each web service call 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.