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Acme D3cSharpNetApplication Program Example

The purpose of this application is to provide some examples on how to leverage the D3 and mvBase .NET API when building a C# Windows Forms application. Although application is written in C#, 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 the .NET API when deploying Windows Forms Application.

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

Note: The MVS Toolkit is not required for this demo as no Web Services are called. However, if you want to additionally call Web services instead of calling Basic Subroutines directly, you will need to install and create the desired web Services from the targeted Basic Subroutines.

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 (not required for demo)
   1. Microsoft Windows Server 2008 & 2012, Windows 7 & 8 with the latest service pack (both 32 and 64 bit systems).
3. Visual Studio must be installed.
4. Select Open Project and navigate to this demo project.
5. The included Visual Studio D3cSharpNetApplication project should have the D3/mvBase .NET API included. However, if needed you can include the .NET API by selecting menu Project->Add Reference and browsing to the RocketMVSP.dll location and adding it to the project.
6. You will have to change the hostname string to point to your correct D3/mvBase location. Note: this was hard coded to demonstrate what the required parameters are. You would not want this hardcoded for production development. All references to hostname will need to be changed within the project.