NetSuite Web Services: Microsoft .NET Sample Application

Introduction

This Installer installs the files necessary to run the NetSuite Web Services .NET sample application. The application is written in the C# language.

Please visit our Web Services Portal to learn more about the NetSuite Web Services platform including detailed documentation, FAQs, and latest updates.

Prerequisites

This Installer contains an executable and a complete project intended to be used with Visual Studio Express.

Note: If you are using an IDE other than Visual Studio Express, you may need to modify the sample code. For example, you may need to use a different library for the configuration file.

Installing the Application

Following are the simple steps to install the NetSuite Web Services .NET Sample Application:

- Unzip the archive NSNetClient2017-2.zip to a local folder

- Double click on NSClient2017-2.msi to initiate the installation

Note: The default installation directory of the installer is [Windows Program Files]\NetSuite\NSClient 2017.2. The installation directory would be referred to as <installation_dir>.

Important: The installation will delete all files from [Windows Program Files]\NetSuite\NSClient 2017.2 and [Windows Start Menu]\Programs\NetSuite\NSClient 2017.2. Save your files under these directories at another location if you do not want those files to be deleted.

Configuring the Application

In the `NSClient.exe.config` file, set the applicable configuration parameters. This file is located in the directory <installation_dir>\bin\Debug. This file determines how you will authenticate to NetSuite. There are two methods you can use.

The first method is by submitting user credentials through the request level credentials. With this method, you must provide a valid user email account, password, and role ID, as well as the corresponding account ID (acct), which is a value assigned to your organization by NetSuite. The application ID (appId) value is also required. The default appId value provided below identifies an integration record that represents NetSuite sample applications. (Note also that, when you use the 2015.2 endpoint or later in conjunction with other applications, this value is still required. In some cases, you use this field to identify an integration record that you created in your account; in other cases, you will be using code provided by a NetSuite partner that already includes a defined application ID.) For more details about application IDs, see the help topic Managing Integrations.

You must also set the `login.useTba` value to false. The resulting `NSClient.exe.config` should look like the following:

```
<add key="login.email" value="EMAIL" />
<add key="login.password" value="PWD" />
<add key="login.roleNSkey" value="3" />
<add key="login.acct" value="ACCOUNT" />
<add key="login.appId" value="C7D3925E-778B-491C-A67D-E0613D82287B" />
<add key="login.useTba" value="false" />
```

Note: The internal ID role of 3 is an administrative role. This role allows the user to perform all of the operations included in this sample application. For your own applications, ensure that the role value is set to the appropriate permissions level for the operation being called.

The other authentication method is token-based authentication (TBA). In order to use TBA, you must set values for the following fields. Note that the `login.useTba` field must be set to true. For more information about TBA, see help topic Sending Token-Based Authentication Details.

```
<add key="login.useTba" value="false" />
<add key="login.tbaConsumerKey" value="CONSUMERKEY" />
<add key="login.tbaConsumerSecret" value="CONSUMERSECRET" />
<add key="login.tbaTokenId" value="TOKENID" />
<add key="login.tbaTokenSecret" value="TOKENSECRET" />
```

Running the Application

From Windows Start Menu: Through the default installation, you should be able to run the application by clicking on the NSClient.exe (which has a NetSuite icon) under [Windows Start Menu]\Programs\NetSuite\NSClient 2017.2.

From Visual Studio Express: This project is in debug mode by default. After the application has been built successfully, click on Debug > Run, or press F5 to run the application from within Visual Studio Express.

From the Command Line:
- Open a command prompt and go to "<installation_dir>\bin\Debug"
- Enter NSClient.exe at the command prompt.

Note: Not all operations are supported for OneWorld accounts. Some operations may not work depending on your account configuration.

Building the Application

The source files for this sample application can be found under the "<installation_dir>" directory. In order to build the application from scratch:

Open the project file "NSClient.csproj" in Visual Studio Express.

The application can be built by clicking on Build Solution in the Build menu or by pressing CTRL/SHIFT B. Microsoft .NET will automatically create the appropriate output directories.