

# Build an EF and ASP.NET Core 2.1 App HOL

## Lab 0 (Mac)

### Step 1: Install .NET Core

- 1) .NET runtime can be found here: <https://www.microsoft.com/net/download/macos>
  - a) Download and install the 2.1.402 SDK and 2.1.4 Runtime (or greater)

### Step 2: Install Visual Studio for Mac

- 1) Visual Studio Installer can be found here <https://www.visualstudio.com/vs/visual-studio-mac/>.
  - a) Download and run the installer.

### Step 3: Install Docker

- 1) Docker can be found here: <https://www.docker.com/docker-mac>
  - a) Download and run the installer.

### Step 4: Install and run Microsoft SQL Server 2017 for Linux

- 1) Run terminal

```
"docker run -e 'ACCEPT_EULA=Y' -e 'MSSQL_SA_PASSWORD=P@ssw0rd' -p 1433:1433 --name dotNetHOL -d microsoft/mssql-server-linux:2017-latest"
```

- 2) To verify that it was pulled and ran ok you can run:

```
'docker ps' to check the status of the container.
```

```
'docker logs dotNetHOL' to check the container logs. Verify that the server is accepting connections.
```

### Step 6: Note the Connection Strings

These will be needed for later in the workshop

- 1) Edit the connection string in “SpyStore\_HOL.DAL/EfStructures/StoreContextFactory.cs”

```
"Server=.;Database=SpyStore_HOL2.1;User Id=sa;Password=P@ssw0rd"
```

- 2) Change the connection string in SpyStore\_HOL.MVC/appsettings.Development.json

```
"Server=.;Database=SpyStore_HOL2.1;User Id=sa;Password=P@ssw0rd"
```