

# Build an EF and ASP.NET Core 2.1 App HOL (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 2.1.0 version

## 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 5: To Pull git repo

- 1) Run terminal
  - a) cd into your code folder

```
'git clone https://github.com/skimedid/dotnetcore_hol.git'
```

## Step 6: Update the Connection Strings (save for later in the lab)

- 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"
```