

DEVELOP A PORTABLE MVC 6 WEB SITE

Author: David Huang

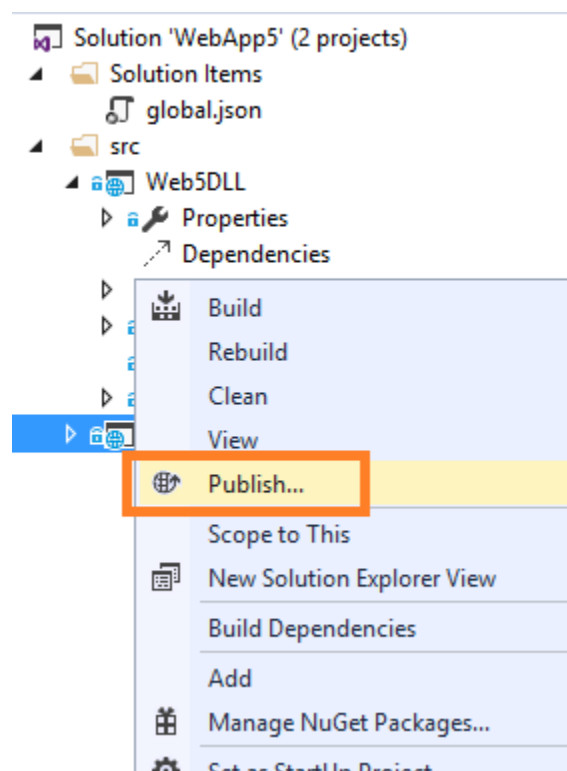
Date: 25, FEB. 2015

1, INTRODUCTION

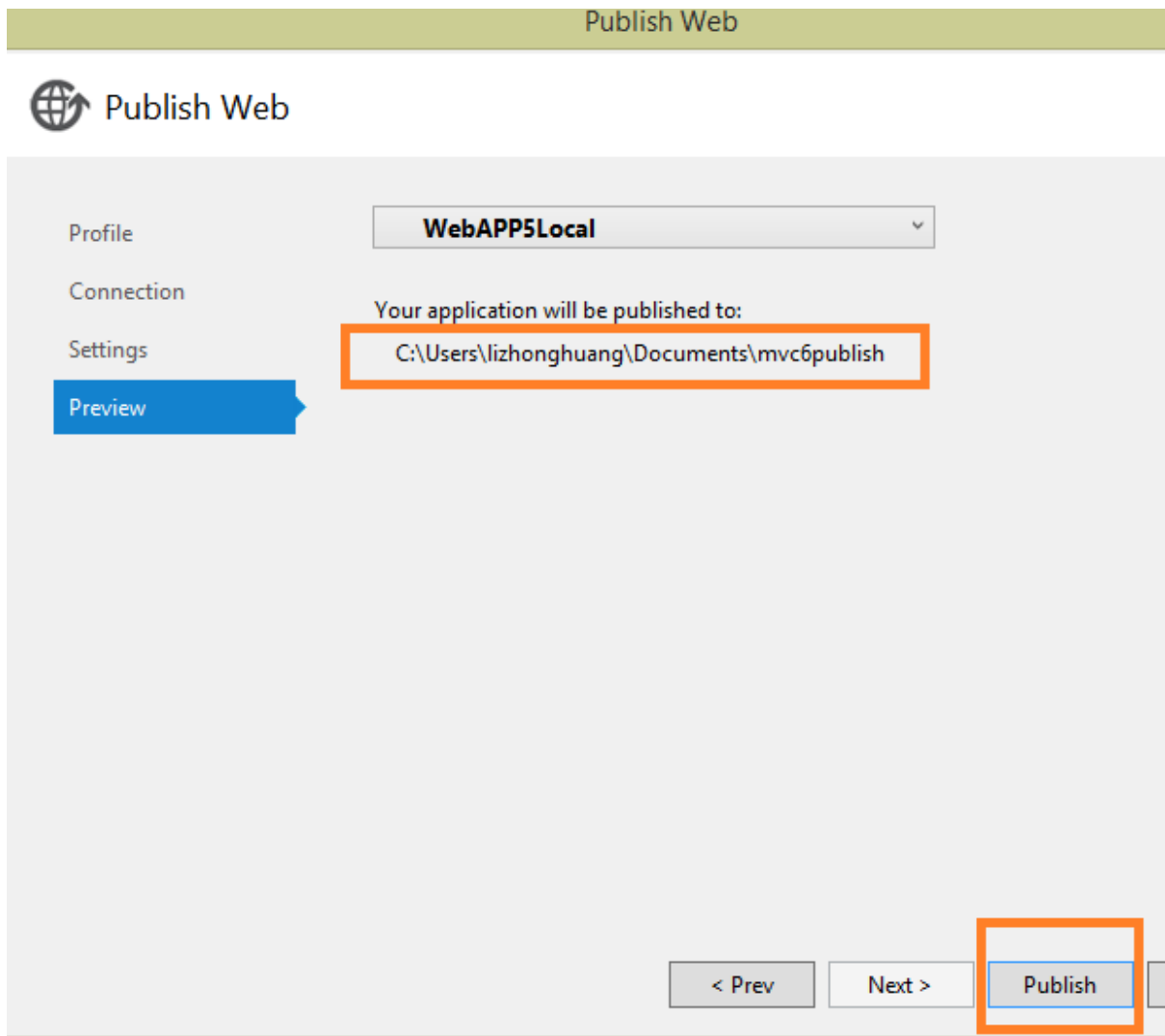
After we built a MVC 6 web site, we can publish it to local machine and run it under Kre.exe command. Kre.exe will host this web site and create a web site as a localhost:portnumber. We then can simply open browser to access this URL for web site browsing. This document will implement this in my local machine.

2, Get Started

Create a MVC 6 web site and compiled it without errors. And then we click Publish button in Solution Explorer to publish this web site to local file system as below image shown



Go through the publish wizard and click publish button to publish web site in setting path as below



The web application has been published to roaming folder as above. The folder contains files as below

Documents > mvc6publish >			
Name	Date modified	Type	Size
approot	2/25/2015 11:14 AM	File folder	
wwwroot	2/25/2015 11:14 AM	File folder	
ef	2/25/2015 11:14 AM	File	1 KB
ef.cmd	2/25/2015 11:14 AM	Windows Comma...	1 KB
gen	2/25/2015 11:14 AM	File	1 KB
gen.cmd	2/25/2015 11:14 AM	Windows Comma...	1 KB
web	2/25/2015 11:14 AM	File	1 KB
web.cmd	2/25/2015 11:14 AM	Windows Comma...	1 KB

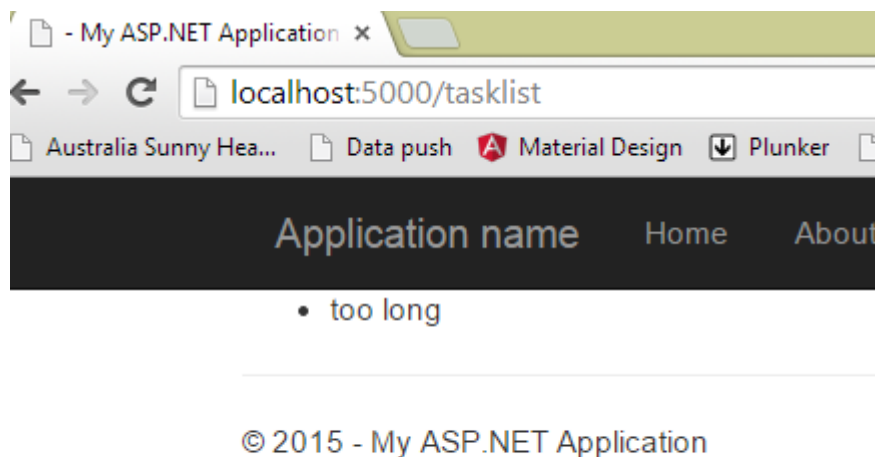
Run CMD prompt under this folder and run web.cmd command. We can get Web Site run as below

```
Administrator: Command Prompt - web.cmd
02/25/2015 11:14 AM <DIR> .
02/25/2015 11:14 AM <DIR> ..
02/25/2015 11:14 AM <DIR> approot
02/25/2015 11:14 AM 590 ef
02/25/2015 11:14 AM 159 ef.cmd
02/25/2015 11:14 AM 591 gen
02/25/2015 11:14 AM 160 gen.cmd
02/25/2015 11:14 AM 591 web
02/25/2015 11:14 AM 160 web.cmd
02/25/2015 11:14 AM <DIR> wwwroot
6 File(s) 2,251 bytes
4 Dir(s) 482,273,034,240 bytes free

C:\Users\lizhonghuang\Documents\mvc6publish>ef
'"C:\Users\lizhonghuang\Documents\mvc6publish\approot\packages
-beta2\bin\klr.exe"' is not recognized as an internal or exter
operable program or batch file.

C:\Users\lizhonghuang\Documents\mvc6publish>web.cmd
[INFORMATION:Microsoft.Net.Http.Server.WebListener] Start
[INFORMATION:Microsoft.Net.Http.Server.WebListener] Listening
localhost:5000/
Started
```

Now we can open Chrome browser to open this web site as below



3, SUMMARY

Self-portable web files can be moved to any storage that Kre.exe file installed. The storage machine may not be an IIS web server or any other web server. File server here can run web site with the help of Kre.exe command. Therefore, we can say we can develop a MVC 6 web site run on non-web server environment.