Blog Generator Install Manual

**Part I: Jekyll Install**

Jekyll is a parsing tool working under Unix/Linux, but as our project is based on Microsoft Visual Studio, we have to deploy Jekyll in windows.

1. Install the Ruby from <http://rubyinstaller.org/downloads/> and install it to path such as C:\ruby

2. Download “DEVELOPMENT KIT(<http://rubyinstaller.org/downloads/>)” installer that matches the Windows architecture and the Ruby version just installed. For example, DevKit-mingw64-64-4.7.2-20130224-1432-sfx.exe is for 64-bit Windows with Ruby 2.0.0 x64. Install the Ruby development kit from the same location above and extract it to path such as c:\devkit.

Run the following commands

*ruby dk.rb init*

to generate the config.yml file to be used later in this Step

3. Edit the generated config.yml file to include installed Rubies. For example, in our case, it will look like this

*# This configuration file contains the absolute path locations of all  
# installed Rubies to be enhanced to work with the DevKit. This config  
# file is generated by the 'ruby dk.rb init' step and may be modified  
# before running the 'ruby dk.rb install' step. To include any installed  
# Rubies that were not automagically discovered, simply add a line below  
# the triple hyphens with the absolute path to the Ruby root directory.  
#  
# Example:  
#  
# ---  
# - C:/ruby19trunk  
# - C:/ruby192dev  
#  
---  
- C:/ruby*

4. Run the following command to install to DevKit enhance your installed Rubies. This step installs (or updates) an operating\_system.rb file into the relevant directory needed to implement a RubyGems

*ruby dk.rb install*

5. Install Jekyll using following command

*gem install jekyll*

6. Now, you can start using Jekyll.

**Part II: WAMP and Visual Studio**

1. Install WAMP(<http://www.wampserver.com/en/>), which contains apache, mysql. But actually any web server application like IIS, glassfish and Tomcat also can work. For my laptop, I using WAMP and set “c:/wamp/www” as the root folder. So please modify the code if your web folder is not as same as mentioned above, or you could create your web application root folder as “c:/wamp/www”.

2. Using VS to open ”bloggenerator” project, caution about the file path variable in this project. For example, I set “c:/temp” as a folder that stores my temporary website files, but it should vary from different computers or servers. So you may create a folder named “temp” under C.

3. Modify the database link code in “bloggenerator” project. First, click “Web.config”. Then, find out the code like below:

<add name="BlogGeneratorConnectionString" connectionString="user id=yjfox;password=123456;Data Source= .\SQLEXPRESS ;Initial Catalog=bloggenerator;Integrated Security=True" providerName="System.Data.SqlClient" />

Reset the userid and password.

P.S.:We using MSSQL here.

4. Almost done, some details need to pay attention as list:

* Make sure that Jekyll command running well in CMD of windows
* Make sure that the code of file path in the project “bloggenerator” has been modified. Otherwise it cannot work on your computer. – as mentioned in point 2 above.

**Part III: MSSQL database**

MSSQL contains a database named as “bloggenerator”, which has two tables – “bloginfo” and “userinfo”.

For “bloginfo” is like below:

CREATE TABLE [dbo].[bloginfo](

[blogid] [int] IDENTITY(1,1) NOT NULL,

[uid] [int] NOT NULL,

[blogtitle] [varchar](50) NOT NULL,

[bloglabel] [varchar](50) NOT NULL,

[briefintro] [varchar](50) NOT NULL,

[blogcontent] [text] NOT NULL,

[createdate] [varchar](20) NOT NULL,

For “userinfo” is like below:

CREATE TABLE [dbo].[userinfo](

[uid] [int] IDENTITY(1,1) NOT NULL,

[uemail] [varchar](50) NOT NULL,

[upassword] [varchar](20) NOT NULL,

[username] [varchar](50) NULL,

[style] [tinyint] NULL,

[blogname] [varchar](50) NULL,

[linkname1] [varchar](50) NULL,

[linkurl1] [varchar](50) NULL,

[linkname2] [varchar](50) NULL,

[linkurl2] [varchar](50) NULL,

[linkname3] [varchar](50) NULL,

[linkurl3] [varchar](50) NULL,

All SQL code-”script.sql” has been included in script.sql document. You may use MSSQL to run this script and create tables.