**Installing RISE to Literacy Handwriting module tutorial**

# Specifications used

**Server**

Intel Core 2 Quad Core 2.83GHz

16GB ram

Windows Server 2012 64bit

192.168.150.114

# Installing on Windows Server 2012 Standard

Step 1: Install IIS Server

* Open Server Manager
* Select Manage>Add Roles and Features
* Under Server Roles, select “Web Server (IIS)”
* Click Next
* Under Features, ensure “.NET Framework 3.5 Features” and “Ink and Handwriting Services” are checked, along with any other dependencies automatically
* Click “Next/Install”
* When the wizard gets to the “Role Services” Section, Find the section that says “Application Development”. Under Application Development, check everything but “CGI”

Step 2: Grab the Package from Github (can be done while the computer is installing features in above step)

* In a web browser, go to <https://github.com/chriswmc/RiseToLiteracy/>
* Click on “Download ZIP” (lower right side of page)
* Download the .zip file to desktop (make note of location)
* Open the .zip file and unzip it (make note of location)

Step 3: Restart computer

* Remove any CD from the computer’s tray and restart it.

Step 4: Configure IIS

* Open up a new program called “Internet Information Services (IIS) Manager”
* On the left side of the screen, expand the computer name (By default the name starts with “WIN-…”
* A pop-up window may come up asking if you want to get started with Microsoft Web Platform… If this comes up, you can select “no”.
* Expand “Sites” under the computer name.
* Right-click on “Default Web Site” and select “Add Application”
* Fill out the information:
  + Alias: rise
  + Application pool: DefaultAppPool
  + Physical Path: navigate to ewriter.web folder wherever you extracted the .zip file from step 2 (i.e. “C:\Users\Administrator\Downloads\RiseToLiteracy-master\RiseToLiteracy-master\Clearbutton\Canvas-Handwriting-Recognition-master (2)\ewriter.web”)
* Click OK
* Click on “Default Web Site” on the left side of the IIS Manager window.
* Click on “Basic Settings…” on the right side of the same window
* In Physical Path, navigate to the same path that you had to navigate to above to get to the ewriter.web folder (i.e. “C:\Users\Administrator\Downloads\RiseToLiteracy-master\RiseToLiteracy-master\Clearbutton\Canvas-Handwriting-Recognition-master (2)\ewriter.web”)
* On the left side of the IIS Manager window, click on Application Pools, select DefaultAppPool, click on “Advanced Settings…”, switch “Enable 32-Bit Applications” to True

Step 5: Configure files

* Using windows explorer, browse to the ewriter.web folder location where the .zip file from step 2 was extracted (i.e. “C:\Users\Administrator\Downloads\RiseToLiteracy-master\RiseToLiteracy-master\Clearbutton\Canvas-Handwriting-Recognition-master (2)\)
* Right-click on the ewriter.web folder and select “properities”
* Click on the Security tab
* Click on “Edit…”
* Click on “Add…”
* For the Object name, type in “IIS\_IUSRS”, and click on “Check Names”. This will auto-complete the name of the user that needs access.
* Click on OK
* Click on OK
* Click on OK
* Double-click on the ewriter.web folder to browse inside of it.
* Right-click on the file that says “Web.config” and select “Open with”
* Click on “Try an app on this PC”
* Select “WordPad”
* Find the line that says “assemblyIdentity name=”System.Web.Mvc” (near the end of the file). The line directly under that says ‘bindingRedirect oldVersion=”1.0.0.0-4.0.0.0 newVersion=”4.0.0.0”’. Change that line to say ‘bindingRedirect oldVersion=”1.0.0.0-4.0.0.1 newVersion=”4.0.0.1”’

NOTE: AT THIS POINT I’M GETTING A “SERVER ERROR IN ‘/’ APPLICATION” ERROR. THE FOLLOWING STEPS ARE THINGS I AM TRYING TO SEE IF THEY FIX THE ISSUE. IF THE ISSUE IS RESOLVED, DELETE THIS MESSAGE AND ANY OF THE FOLLOWING STEPS THAT DID NOT FIX THE ISSUE.

Step 6: update Windows to latest version

* Open up the control panel and search for “update”
* Click on the first thing that comes up “Windows Update”
* Click on the button to turn on Windows Update and let it search for updates
* Click on “Install Now”
* Wait for updates to install (may require server to restart one or more times)