Lab 01: Application Environment Setup

In this lab, you will setup an application environment for your web application to run.

PHP running on Microsoft IIS and MySQL will be used in this exercise and throughout the course.

1.1   Installing PHP Manager for IIS and MySQL for Windows

     a.   Download and run Microsoft Web Platform Installer from the following link:

         http://go.microsoft.com/fwlink/?LinkId=255386

     b.   Type on the search bar for: PHP Manager for IIS, and search.
     c.   Click Add to add it to the install list
     d.   Type on the search bar for MySQL for Windows, and search.
     e.   Click on Add to add it to the install list.
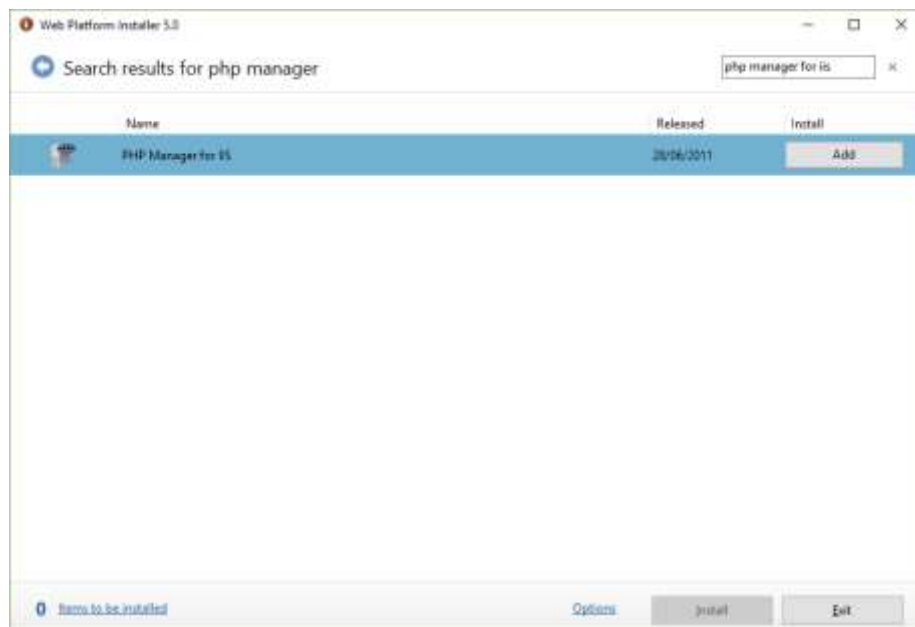   f.   Click Install to begin installation.

[Refer to Figure 1 below]

Figure 1: Installing PHP Manager for IIS

1.2   Error in Installation

a. Note if you encounter an installation error like in Figure 2 below, modify the following system registry value:

    HKEY_LOCAL_MACHINE/SYSTEM/CurrentControlSet/Services/W3SVC/Parameters/MajorVersion

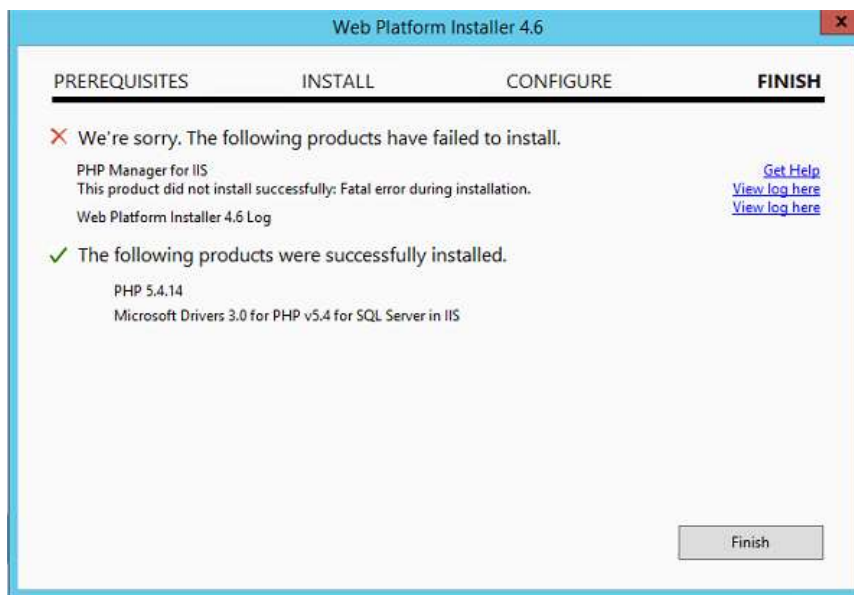b. Set the value to 9.
c. Repeat process 1.1b, 1.1c and 1.1f.

Figure 2: Error in installing PHP Manager

1.3   Managing IIS Configuration

After successful installation of PHP Manager, go to Internet Information Services (IIS) Manager to proceed to manage its configuration.

Navigate to the website that you want to modify.

1.3.1   Modify the Default Document

Default Document contains a list of default files the web server will serve when a client makes a page request without specifying any particular file name.

a. Remove all items from the list
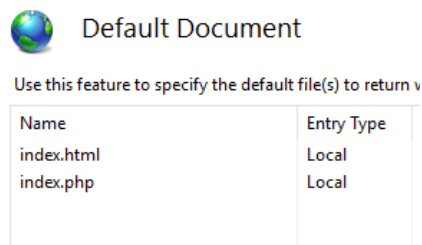b. Keep only the following: index.html, index.php

Figure 3: Default Document setting in IIS

1.3.2   Configure PHP Manager

Ensure that PHP Executable is pointing to C:\Program Files (x86)\PHP\v5.3\php-cgi.exe

If it is not, click Register new PHP version to locate it.

Figure 4: PHP Setup page

1.3.3 Enable Error Reporting and Set Default Server Time Zone

When a PHP script execution encounters syntax and/or run-time error, it will only display an error message pointing to the location of the error when error reporting is enabled.

Time zone is not specified by default. The right time zone needs to be entered manually in the setting.

Enable error reporting by following the following steps:

a. Click on Manage all settings
b. Set display_errors: On
c. Set date.timezone: Pacific/Auckland

1.4 Location of Web Pages

All webpages are located at the folder: C:\inetpub\wwwroot

1.5 Verifying Installation

You can verify that your application environment is successfully setup by doing the following:

a. Create an index.php file with content:

```
<?php
    phpinfo()
?>
```

b. Place the file in the location as outlined in section 1.4 above.
c. Open web browser and visit: http://localhost/index.php

-- END --