Steps to install the web service onto a new machine

1. Create the table “parameters” in the “username” database in MySQL.

* + Click “start”, input “cmd” and get the prompt.
  + Go the web service directory such as “cd C:\...\...\wwwroot/rset/horseweed/”
  + Enter the following command “>mysql –u root –p < userinput.sql”

The above step can be omitted, I have changed the daemon.php file to ensure it will automatically create the table and corresponding database with the names specified in the mysql.php file. Just ensure different services such as “horseweed” and “switchgrass” using different table names. Which means the mysql.php file in “horseweed” folder and “switchgrass” folder should specify different table names such as “parameters1” and “parameters2”although they can share the same database name.

2. Install task scheduler to run the “daemon.php” scripts.

The daemon is running as a background process by the task scheduler of the windows system; it is scheduled to restart every one hour in case the daemon process is killed for unexpected reasons. Only one instance of this php script is allowed. After a record is processed, it is deleted from the table, and the following record is retrieved. The configuration steps are as follows for Windows 2008 server:

1. Control panel->administrative tools->task scheduler
2. Action->Create Task
3. In the “General” tab

* check “run whether user is logged on or not”

1. In the “Triggers” tab,

* select “on a schedule” in “begin the task”
* check “one time” in “ settings”
* check “repeat task every” 1 hour for a duration of indefinitely
* Check “enabled”;

1. In the “action” tab,

* Select “start a program”
* In “program/script” set the folder where the “daemon.bat” file resides, typically specify the “horseweed” or “switchgrass” folder.

1. In the “settings” tab:

* Check “allow task to be run on demand”
* Check “run task as soon as possible after a scheduled start is missed”
* At the bottom choose “Do not start a new instance”.

1. After finishing the above steps, start the task by right clicking the task and select “run”.
2. You have to do step 7 after every rebooting.

3. Install local SMTP server.

To install SMTP service on local machine,

1) Open “server manager”

2) Right click “Features”, select “add features”

3) In the “Features:” panel, check “SMTP Server”, click next and finish.

Note: The mails sent by the local SMTP server might be blocked by McAfee. You have to check the log of McAfee and set up the blocking rules of McAfee. Open McAfee console, double click “access protection”, click “Anti-virus Standard Protection”, and uncheck “Prevent mass mailing worms from sending mail”.

You have to start the mail server at every reboot.

4. Configure “mysql.php” parameters according to your specification. Note: different services should use different table names.