# Creating a web server on windows

I will be creating IIS on my VM in Azure which is running windows server 2012 R2.

Step 1: In server manager dashboard select "add roles and features".

Step 2: Select 'Next' leaving the default options, (Role-based or feature-based installation)

Step 3: In server selection I only have the one. Under roles you have a list to choose from. Select web server (IIS) and add features. (Include management tools ticked).
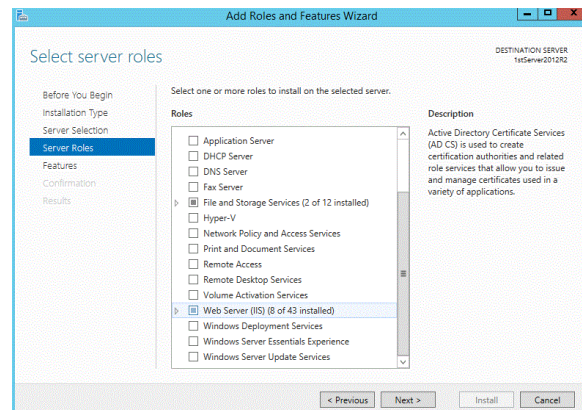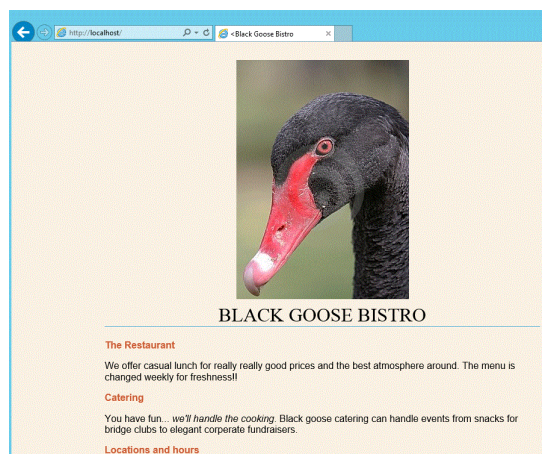

Step 4: Hit next at features and again leaving the default options. Hit install.
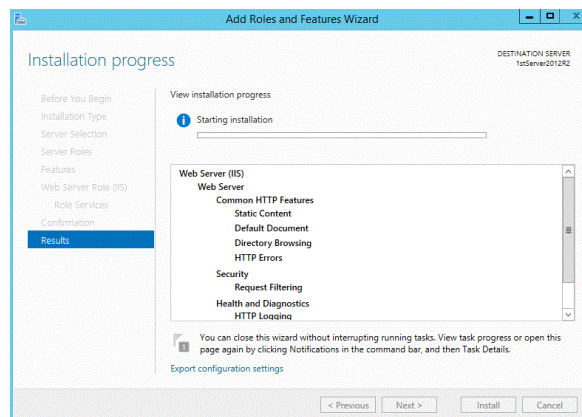
You know have IIS installed with a default index.html located as shown below. I have entered my own index.html file and images to test a website I have created.
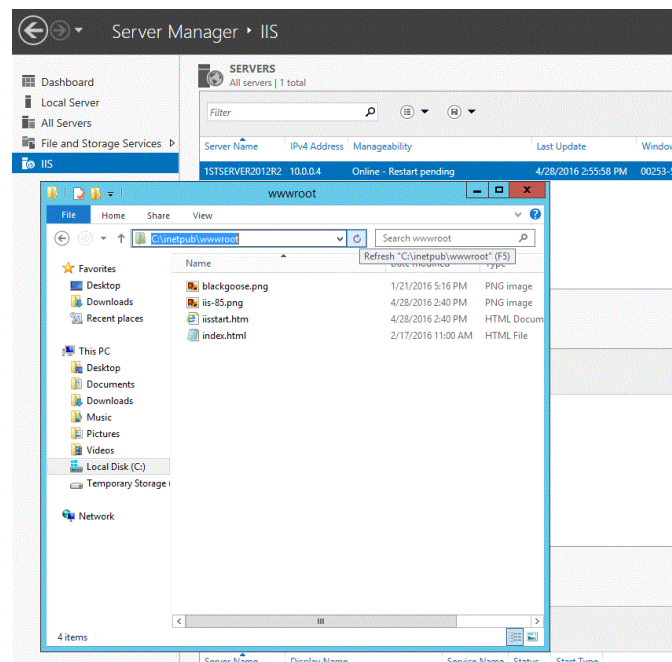
To Test you can open a browser and enter localhost

To run the same bat file in windows

Step 1: Again using the Azure windows server 2012 save the following code below in a .bat file which will create two text files. "systemtextfile.txt" containing the output from the systeminfo cmd. This will then be searched for RAM and uptime data. "dailySystemInfo.txt" containing the output data we need.

ipconfig /all | findstr "Host IPv4" > dailySystemInfo.txt
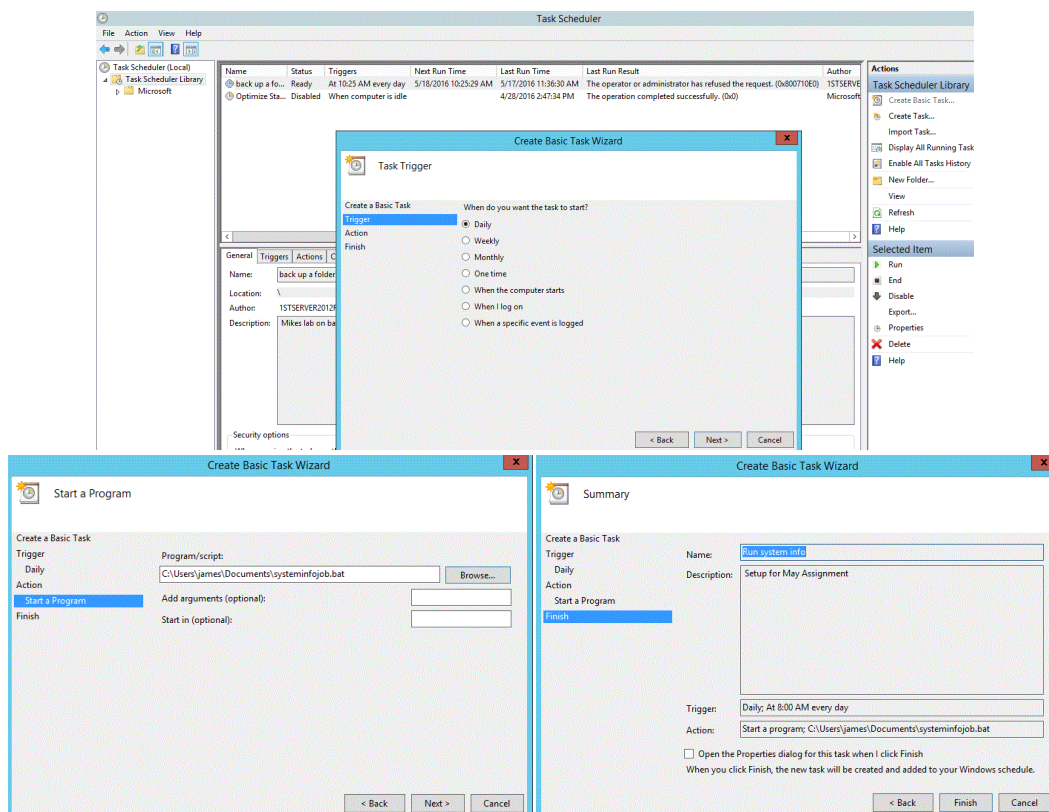systeminfo > C:\Users\xxxxxx\Documents\systemtextfile.txt
find "Total" C:\Users\xxxxxx\Documents\systemtextfile.txt >> dailySystemInfo.txt
find "System Boot Time" C:\Users\xxxxxxx\Documents\systemtextfile.txt >> dailySystemInfo.txt
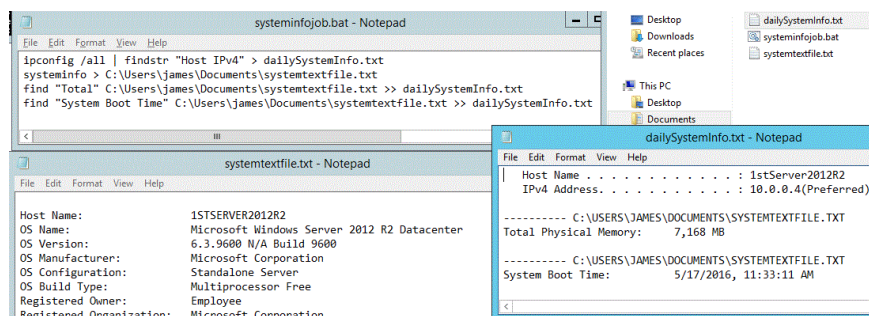
Step 2: Next we want to schedule the bat job. Open task scheduler, Create basic task and set the job to run daily at 8:00am. Select run a program and browse to the bat file.

Step 3: Next to send an email you can use the same program as we did for Ubuntu, SendEmail. The task scheduler has an email function but does not support authentication which Gmail needs. To download the program, go to the link: http://caspian.dotconf.net/menu/Software/SendEmail/ and choose the windows version with TLS support.
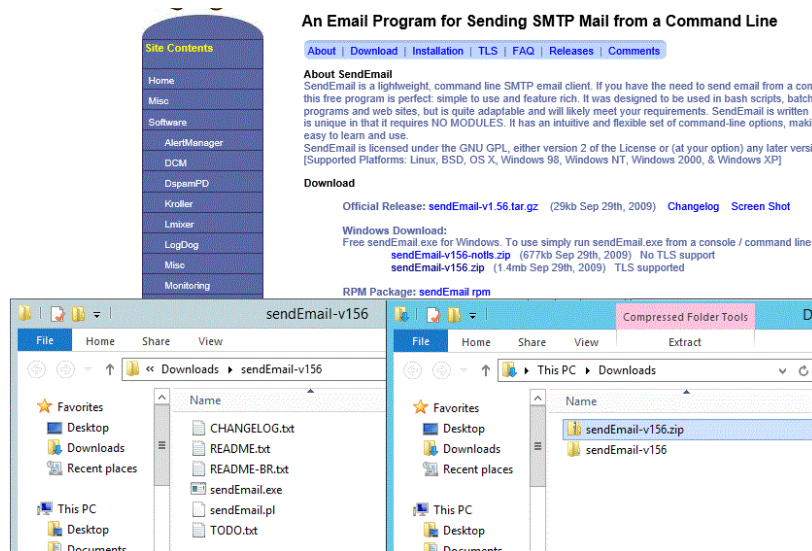

Step 4: Create another basic task in task scheduler, Choose to run a program and select "sendemail.exe". Set the time to 08:01am so it runs after the previous job. Then enter the same options as in Ubuntu as this is the same program. These are entered in the Add arguments (Optional): as shown below.

sendEmail -o tls=yes -f xxxxxxxxxxx@gmail.com -t xxxxxxxxxxxx@gmail.com -s smtp.gmail.com:587 -xu xxxxxxxxxxxxxxxx@gmail.com -xp xxxxxxxxxxx -0 message-file=/home/sysclass/daily_systemminfo.txt -u "James Taylor G00012318"
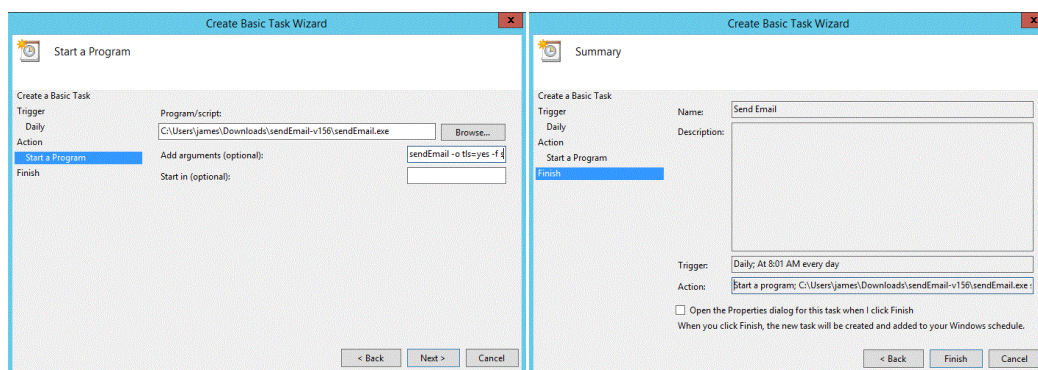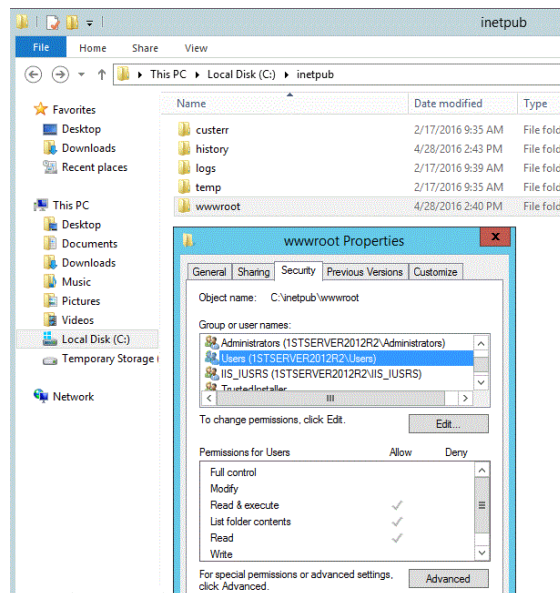
To create users in windows and administer access to files

This is done under "administrative tools" >> "Computer Management". See the below picture which shows the users on my Azure windows server 2012, "james" and "Guest". Here you can set pw, Disable accounts, create accounts....etc.
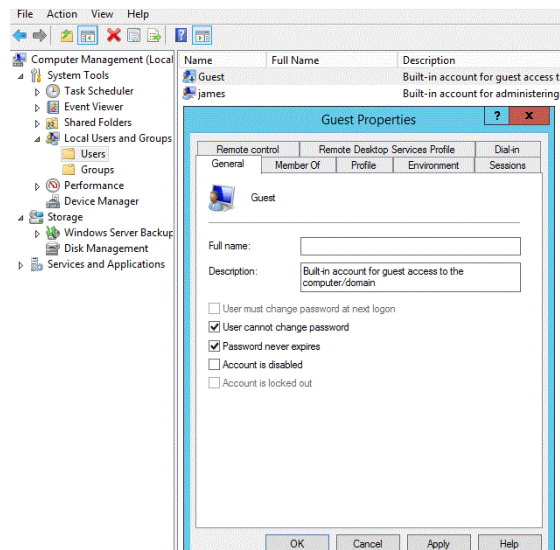
You can check what access users have to a file by right-clicking to its properties. Currently it's set to Read and Execute for Guest and any other user accounts. Only the administrator "james" can edit/write the file which is what we want for this exercise.

Finito.