

# Auto Start Analyzer after AppPool Recycle by IIS

## Background

It is often sites running on the Internet Information Service (IIS) will get recycled by IIS service at a set interval (nightly for example). However after Application Pool recycles but before any user access the site to trigger IIS to run the site again, the IIS does not automatically restart the site, or in other words – the site isn't even running.

Analyzer's Schedule and Subscription task faces this issue if the reports are scheduled to be send right after the IIS AppPool recycle. Since Analyzer isn't even running at the time, therefore it can't process the reports.

The solution is to provide a trigger to restart of the Analyzer after AppPool recycle.

## Prerequisites

The Analyzer site is using Integrated Windows Authentication.

Access to the IIS server where Analyzer is installed.

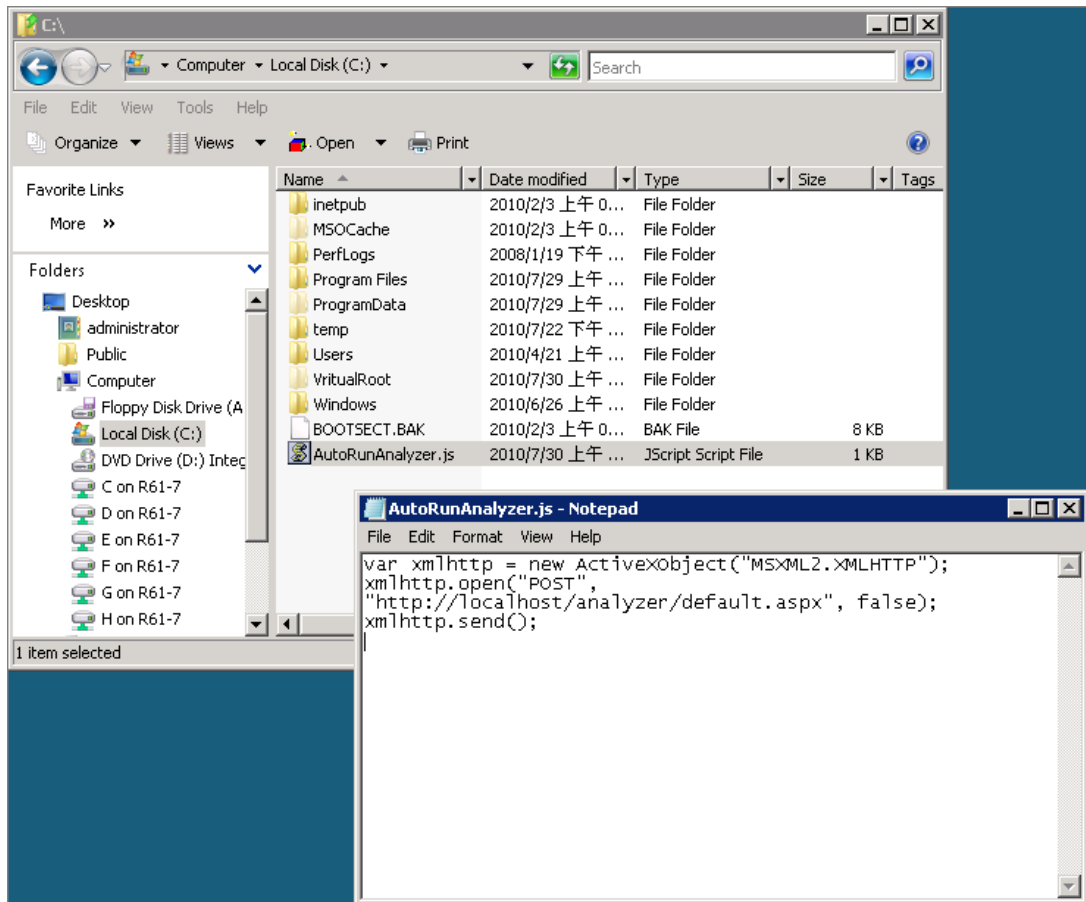
## Setup Steps

### 1. Create AutoRunAnalyzer.js

Use Notepad or any text editor to create the following Java script. Please change the URL to match your own environment:

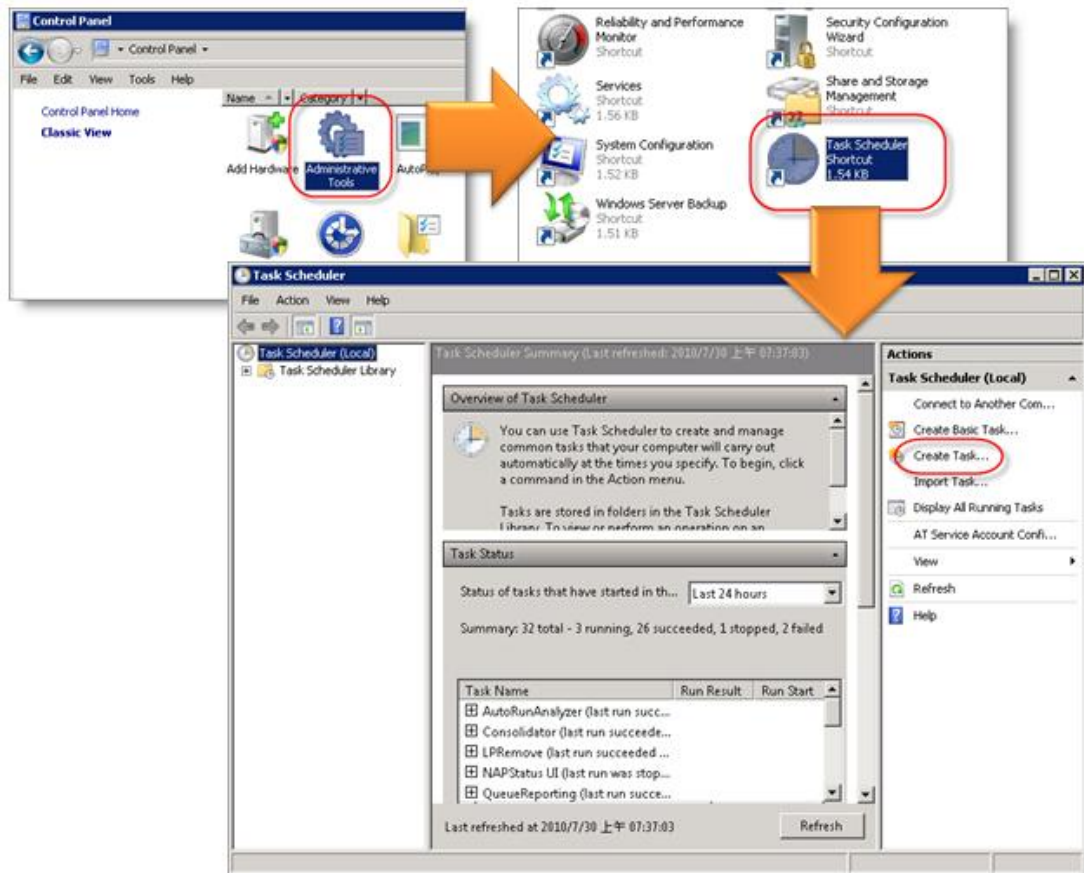
```
var xmlhttp = new XMLHttpRequest("MSXML2.XMLHTTP");  
xmlhttp.open("POST",  
"http://localhost/analyzer/default.aspx", false);  
xmlhttp.send();
```

Save the file under C:\ or any other directory.



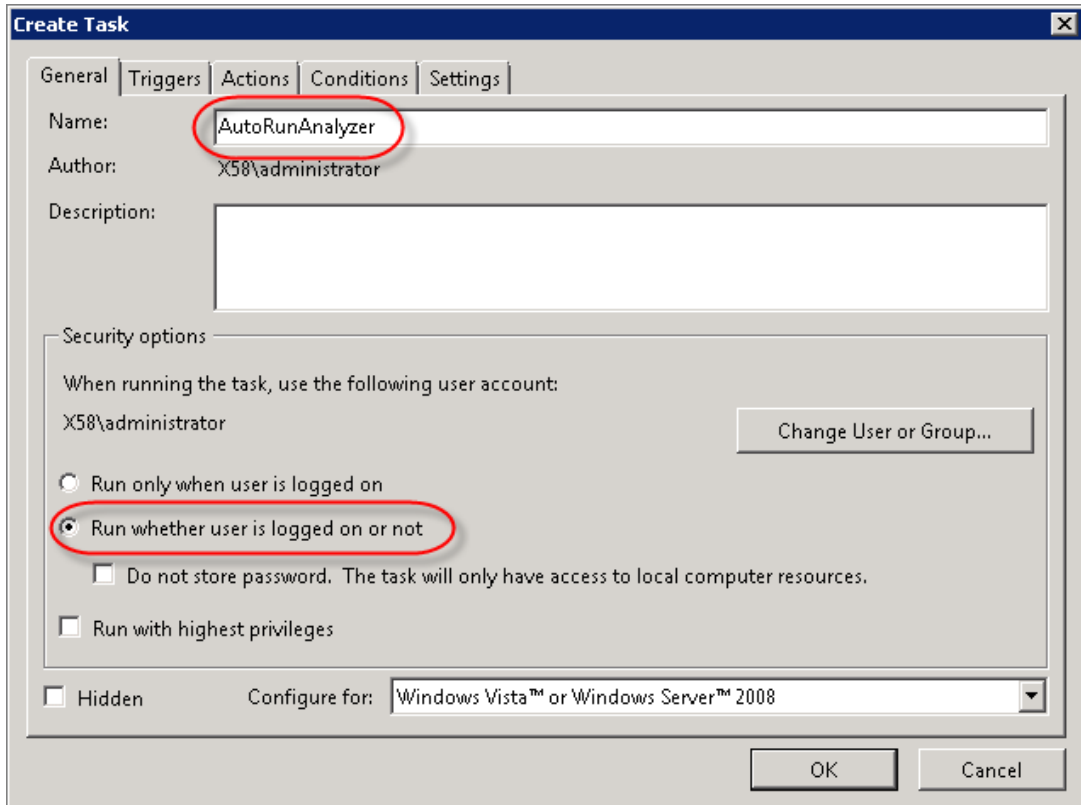
## 2. Open Task Scheduler

Open Control Panel > Administrative Tools > Task Scheduler. Create a new task.



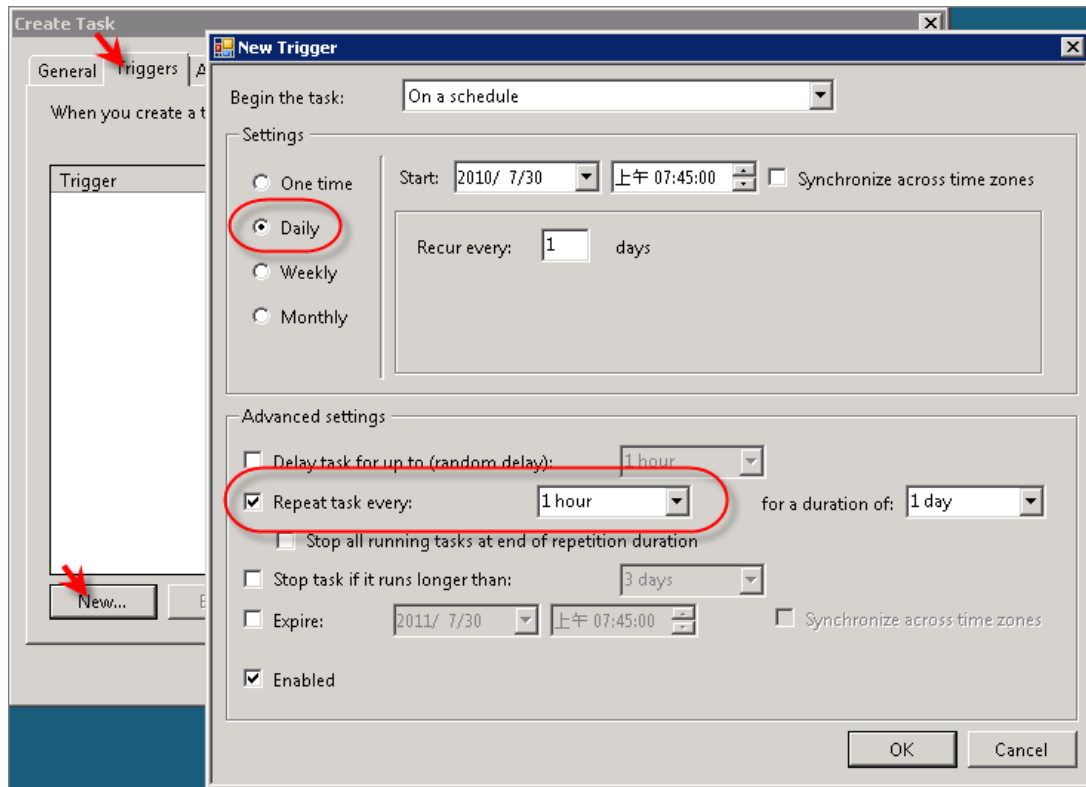
### 3. Configure General Tab

Click the **General** tab. Give it a name "AutoRunAnalyzer" or any other name you wish to use. Select the "Run whether user is logged on or not" radio button.



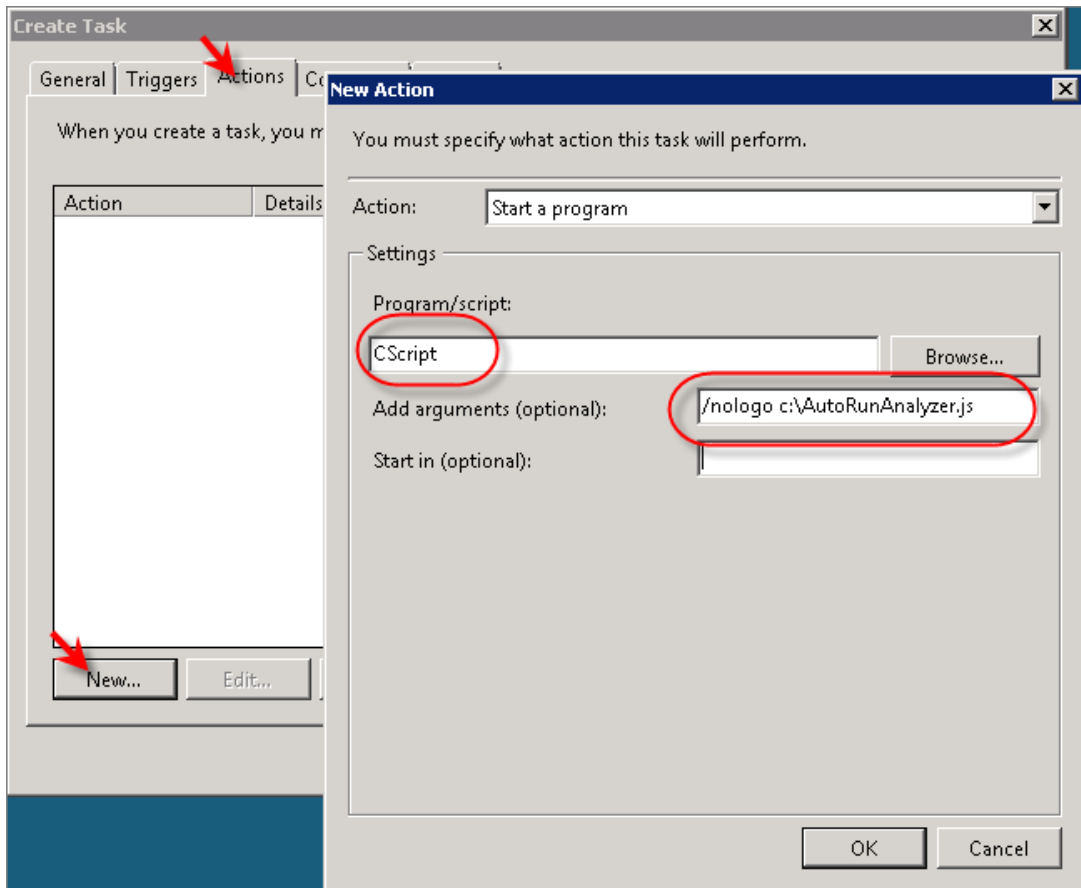
#### 4. Configure Triggers Tab

Click the **Trigger** tab. Click **New** button to create a new trigger. This tab is to define when the task should be run. In the example below it sets the trigger to be run daily at every hour. Running the task again after Analyzer is already started does not create a new process so it is safe to do it this way. Click **OK** to save your changes.



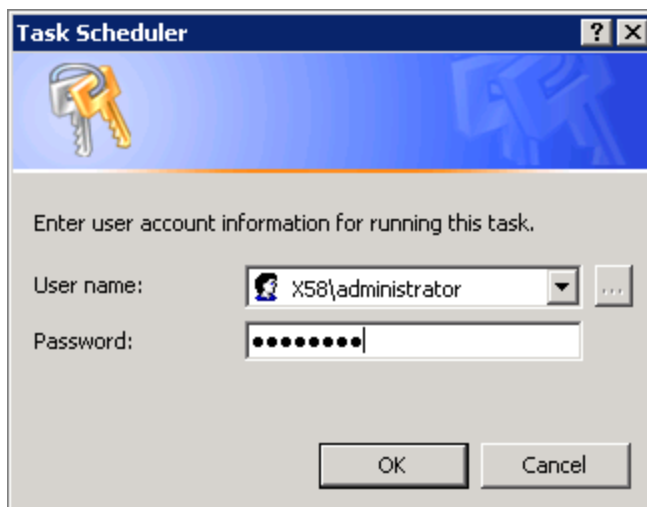
## 5. Configure Actions Tab

Click **Actions** tab. Click **New** button. Enter "CScript" in the **Program/script** field. Enter "/nologo c:\AutoRunAnalyzer.js". If you have previously saved the *AutorunAnalyzer.js* under another directory then please change accordingly. Click **OK** to save your changes.



## 6. Configure User Credential

Click **OK** button to save and close the new task dialog. At this time, the task manager will ask you to enter a credential (user name and password) to run this task. This credential must have privilege to run Batch Job.

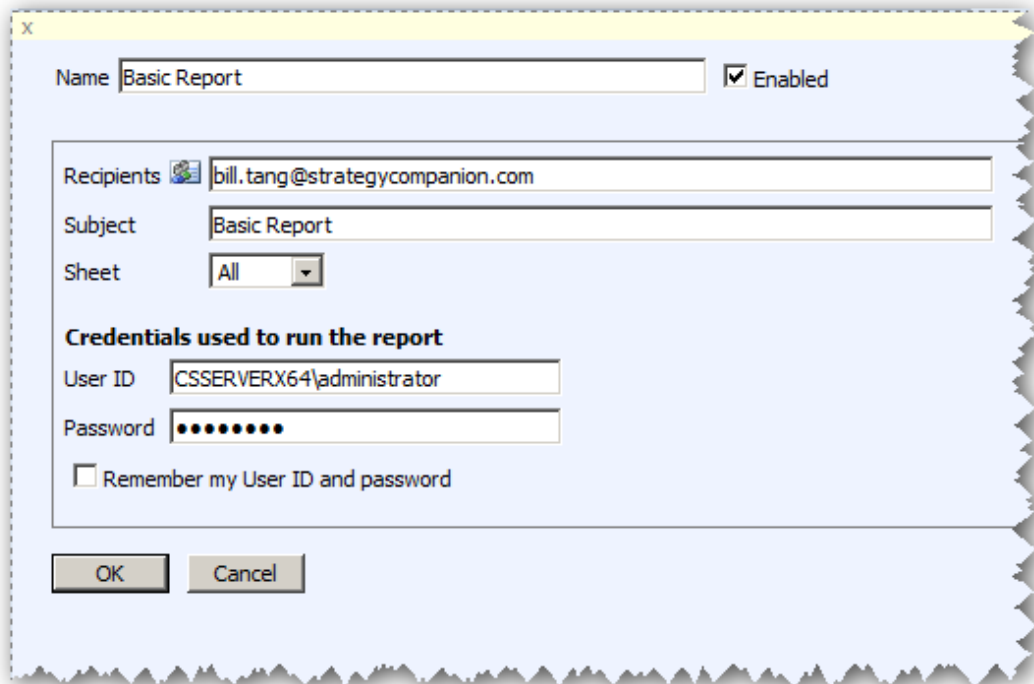
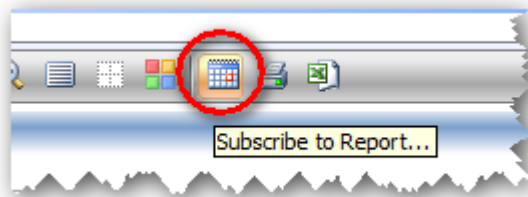


Now you have completed setting of a new task that will trigger Analyzer to be run at every hour (or whichever interval you have set).

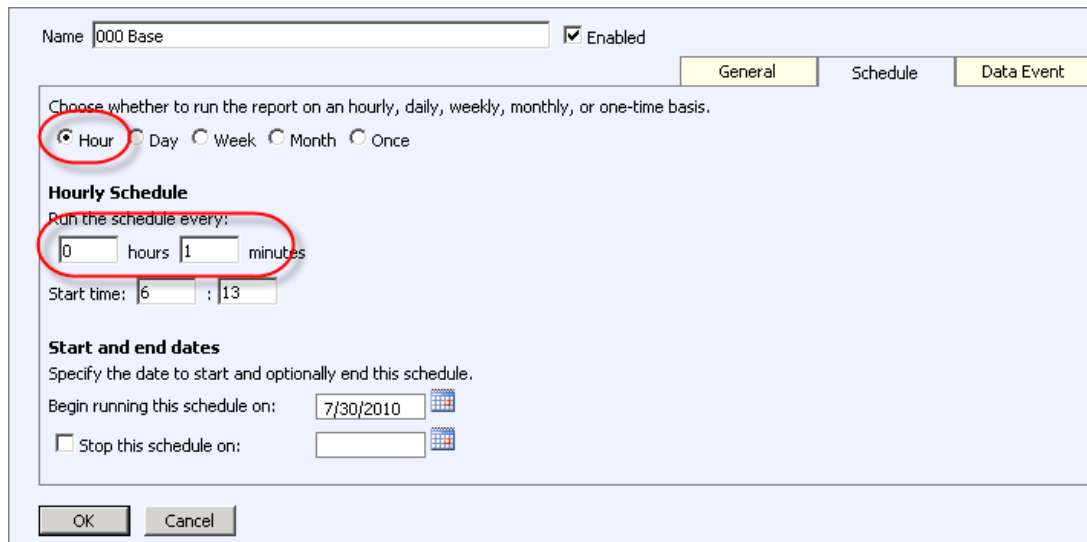
## Validation

Now please perform the following to validate the task is working properly.

1. Launch Analyzer.
2. Open an existing report.
3. Create a new subscription. Set report recipient to yourself and enter a valid credential.

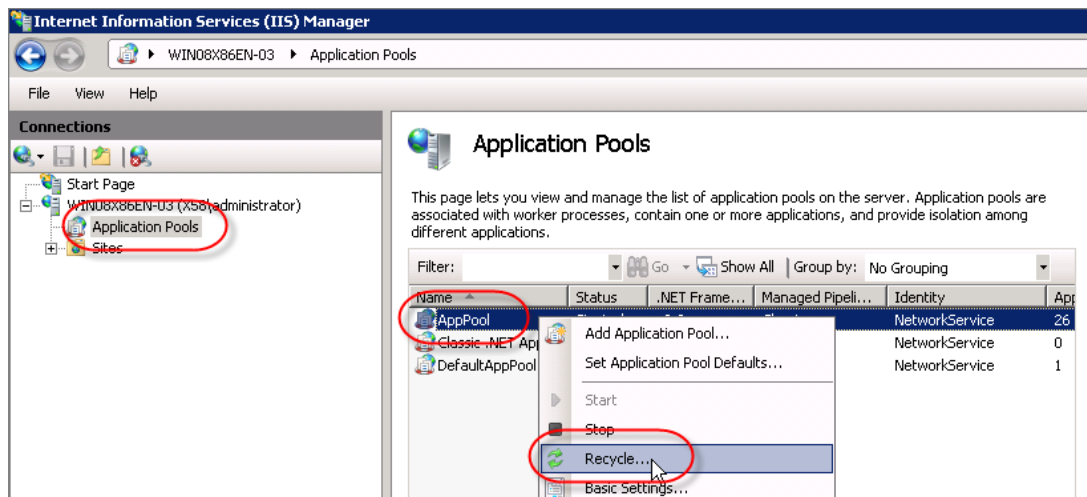


4. Set subscription to be run every minute as below, be sure to enter the correct start date:



Click **OK** to accept the changes and close the IE window.

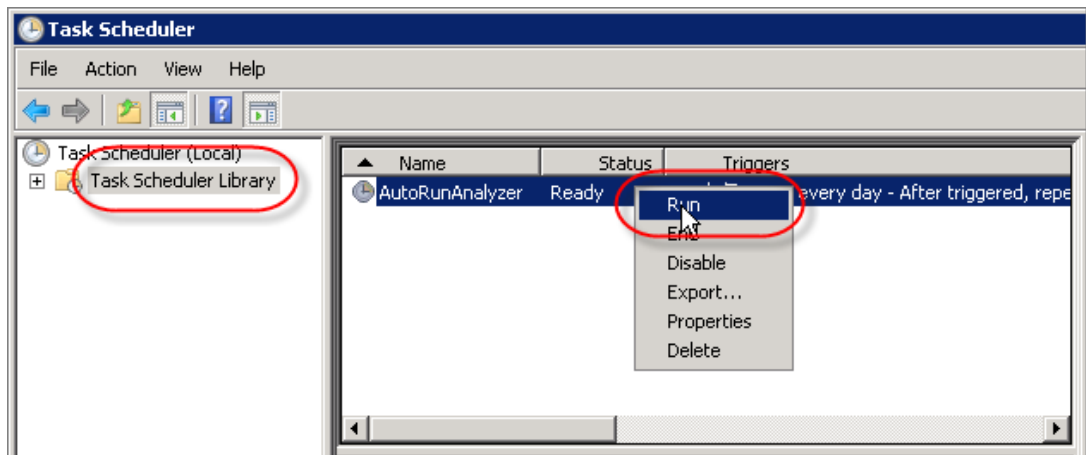
5. Now check your email to see if you have received report successfully. ***Please make sure you have received report successfully before you continue to the next step.***
6. Now launch IIS. Click the **Application Pools** under Connections. Right-click on the AppPool (this is Analyzer's application pool). Select **Recycle** to recycle Analyzer application pool.



Analyzer's worker process is now terminated by the above action. There should be no Analyzer running in the memory.

7. We can now either wait for the AutoRunAnalyzer task to be run automatically at the set interval time or we can manually trigger it to be run. To run it manually, open the Task Scheduler control panel, open the Task Scheduler Library folder, right-click on the AutoRunAnalyzer task then select **Run**.





8. Now verify whether or not you have received scheduled report. The AutoRunAnalyzer should have started Analyzer so now all scheduled report can be send.  
You probably have to wait for a minute or two before you check your email depending on your mail server.