**MSMQMailService**

Overview – there are 4 applications, used in whole solution.

1. Netmester.Mail.Serialization – used for serialization
2. MSMQMailService – Needs to be installed on server, which sends email after retrieving from message queue
3. MailSenderLibrary – Sends emails to Message queue
4. TestApplication – Consumer

Steps are – Following steps needs to be performed in order to activate email functionality :

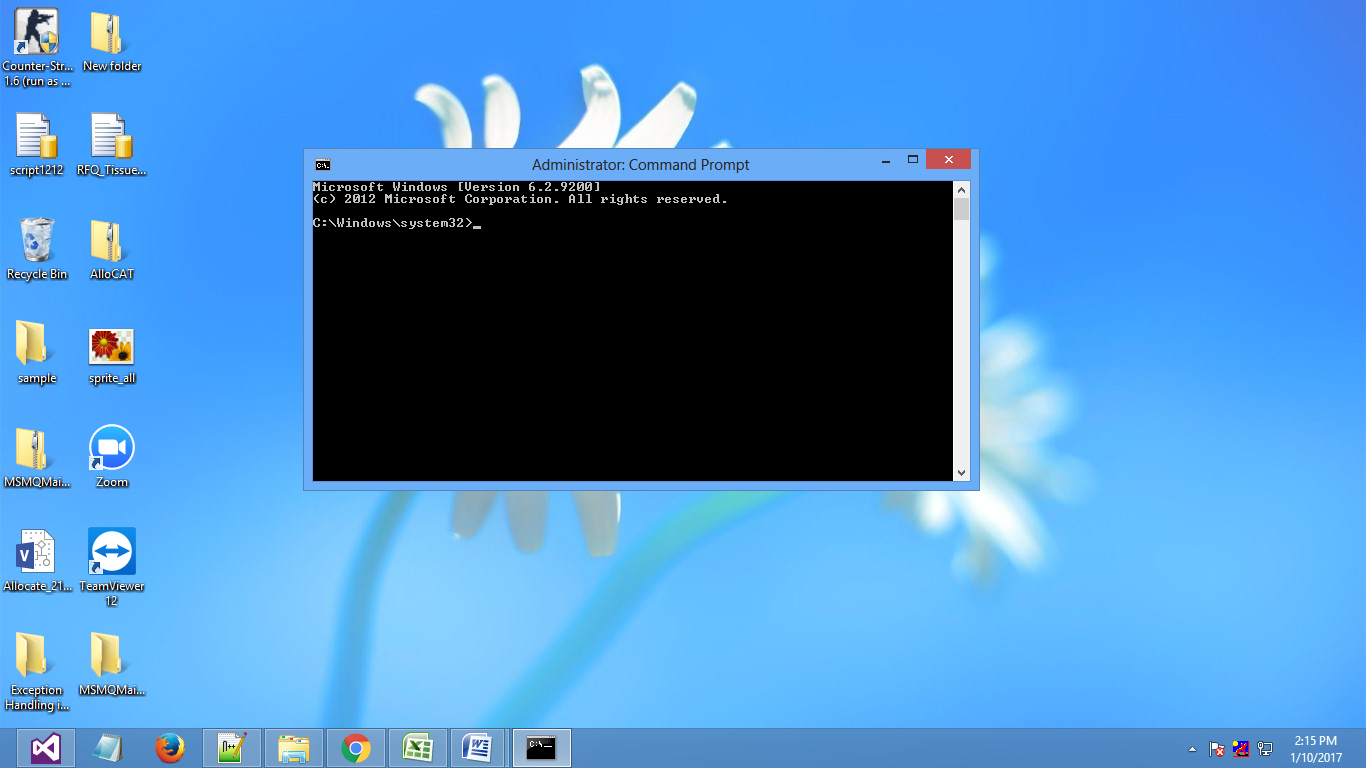
1. Create message queue

* Right click on “My Computer”
* Click on “Manage”
* Expand Services and Application
* Now you can see “Message Queuing”
* Expand “Private Queue”, click on “New Private queue”

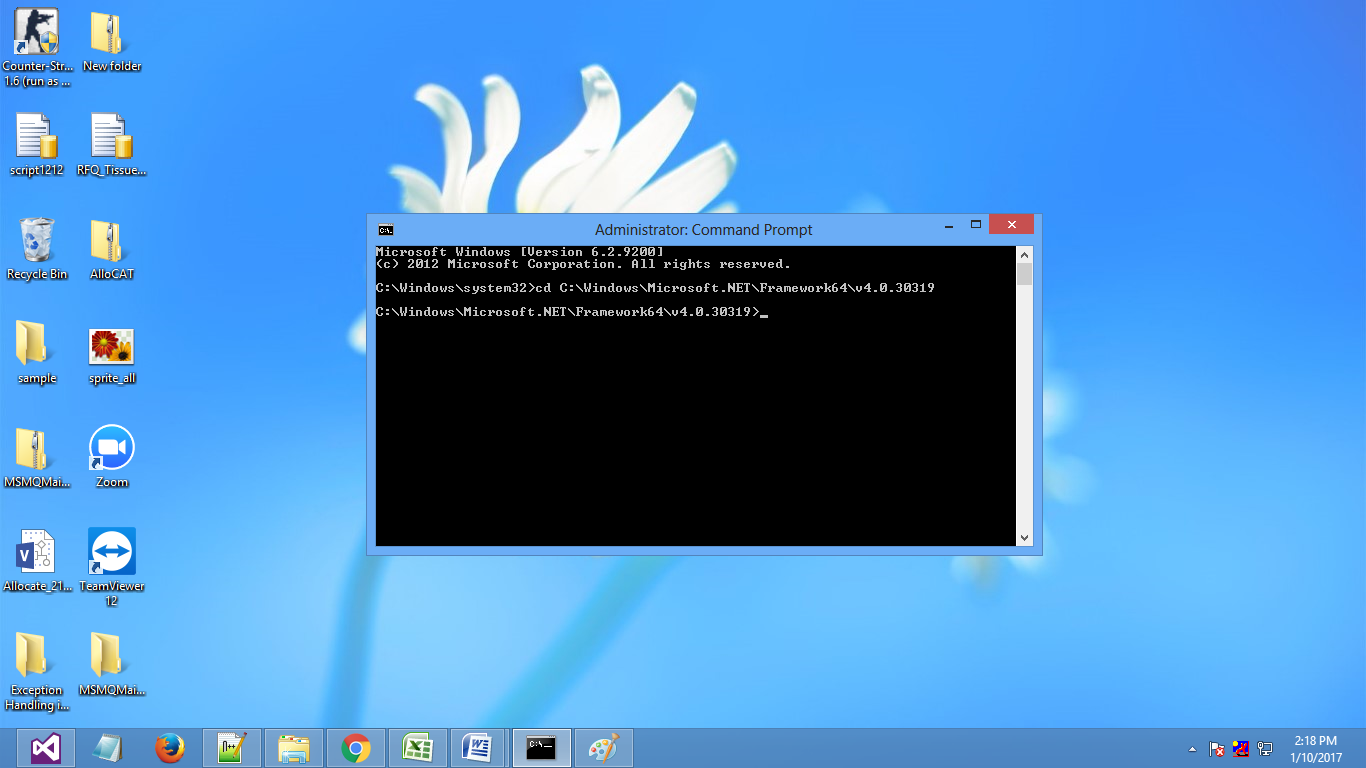
2. Install the service 'MSMQMailService' using installutil.exe on server

**Installing Windows Service on local machine**

**Step1**- open command prompt and run it as admin. You can see window like –

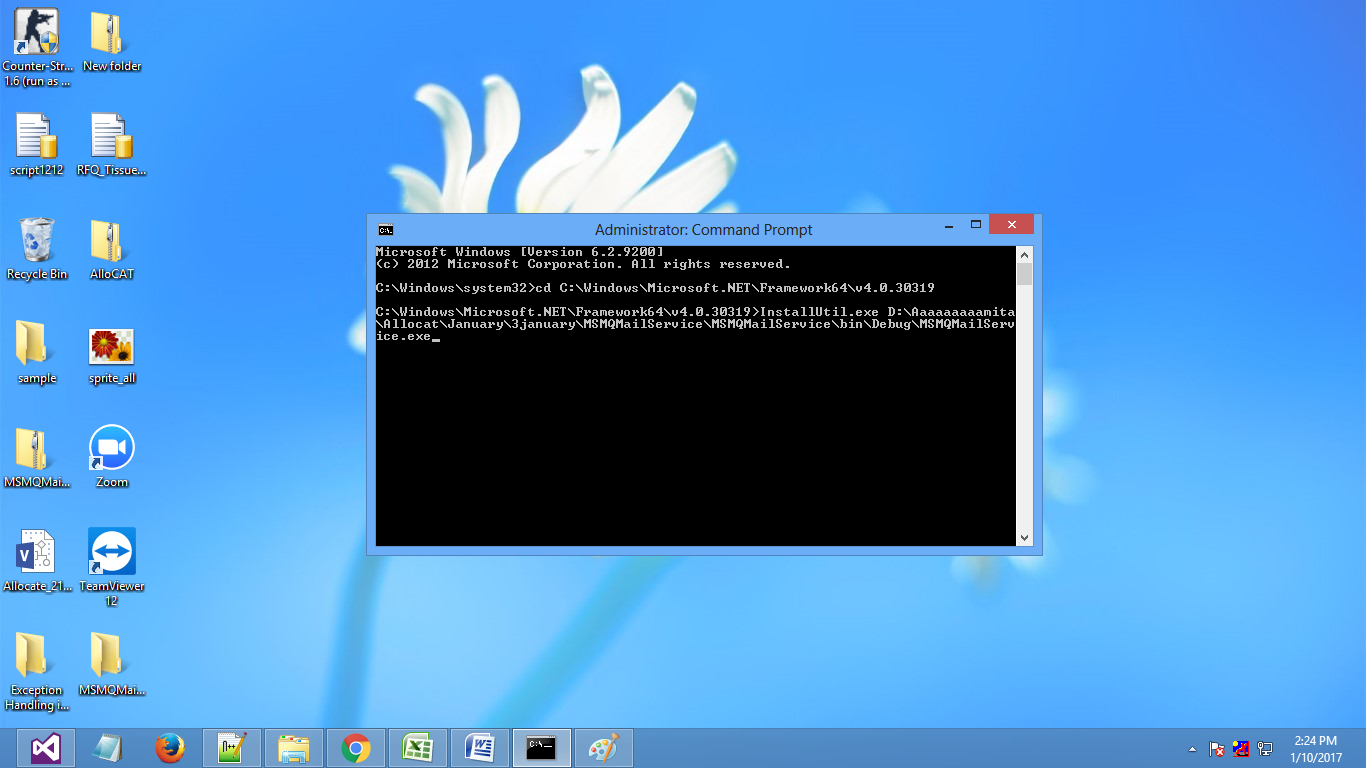


**Step2-** Now writes cd C:\Windows\Microsoft.NET\Framework64\v4.0.30319 command in cmd and press enter. You can see your directory path is changed now.

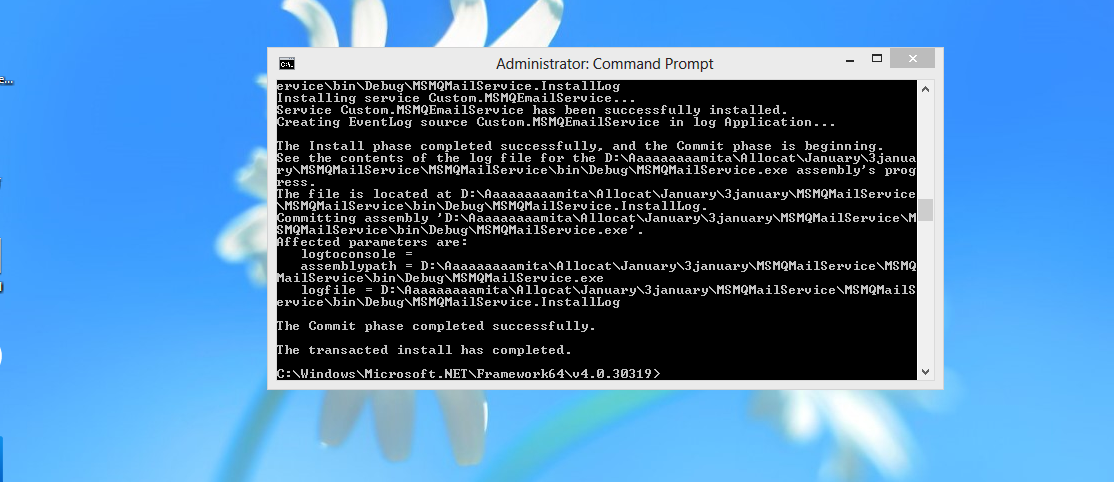
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**Step3**- Now open your windows service in file explorer, go to bin>debug>MSMQMailService.exe and copy the path like this-“D:\Aaaaaaaaamita\Allocat\January\3january\MSMQMailService\MSMQMailService\bin\Debug\MSMQMailService.exe”

**Step4-** then write installutil.exe D:\Aaaaaaaaamita\Allocat\January\3january\MSMQMailService\MSMQMailService\bin\Debug\MSMQMailService.exe .

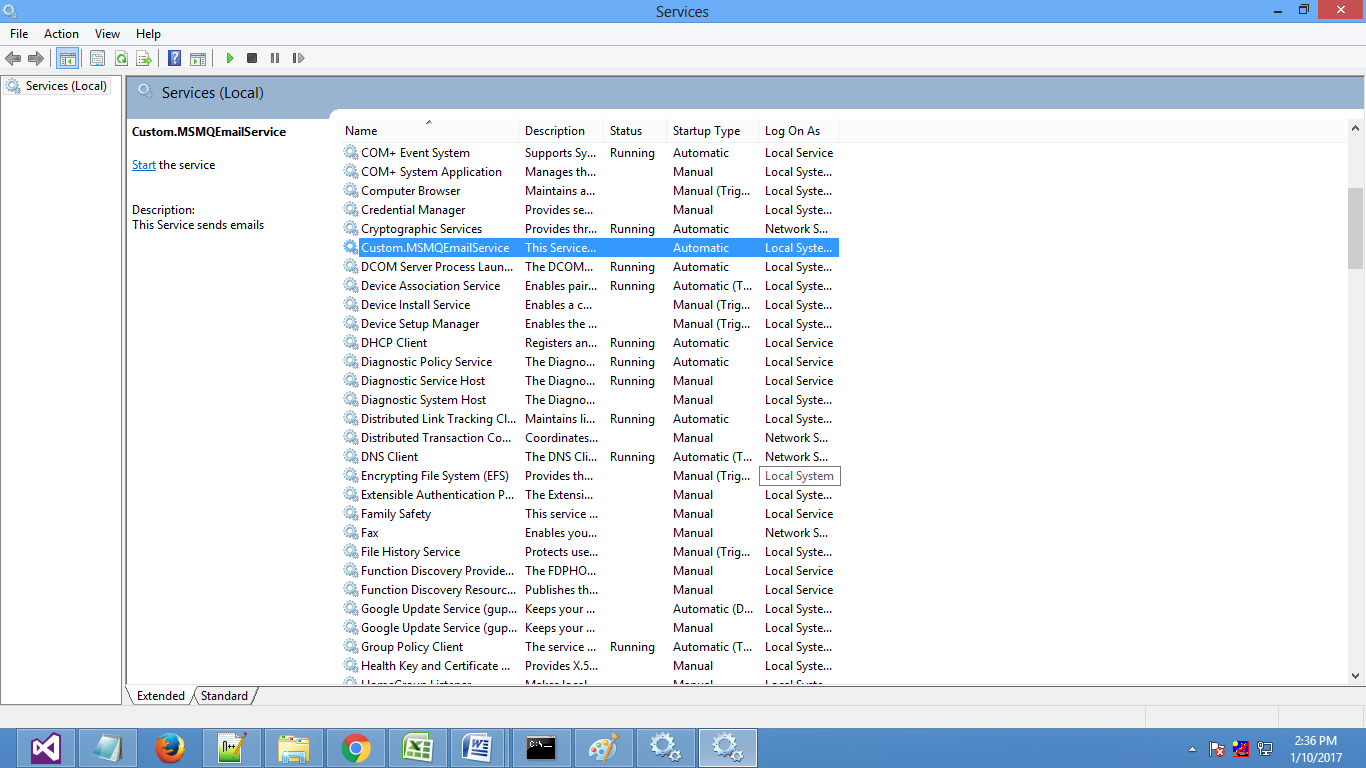
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**Step5-** Pressenter. Now you can see installing process of windows service in your machine.

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**Step6-** windows service is installed in your system successfully. Now open services and check your windows service in services.Open services by-

1. Press windows+R
2. Write services.msc



Step7- To uninstall windows service follows the command.

**installutil.exe –u D:\Aaaaaaaaamita\Allocat\January\3january\MSMQMailService\MSMQMailService\bin\Debug\MSMQMailService.exe**

**Step-8** Sometimes if installation is done but it wont work, in that case use this command to delete in command prompt. write –

**sc delete “Custom.MSMQEMailService” and press enter.**

1. **Netmester.Mail.Serialization** – used for serialization
2. **MSMQMailService** – This Service sends email after retrieving from message queue

Things which are important. Don’t change-

**App.config –**

<add key="QueueName" value =".\Private$\EmailQueue"></add>

Please don’t change the Name Of EMailQueue. If you will change “EmailQueue” name. then you have to change it in the test application also.

<mailSettings>

<smtp deliveryMethod="Network" from="xx@gmail.com ">

<network defaultCredentials="false" enableSsl="true" port="587" host="SMTP.SENDGRID.NET" userName="azure\_e1993754403deeafed749635d75e8e77@azure.com" password="Allocat@12345678@"/>

</smtp>

</mailSettings>

Add SMTP Details for sending mail.

**PORT**

**UserName**

**Password**

1. MailSenderLibrary – Sends emails to Message queue-

This library takes whole email body from test application via method **QueueMessage(); and sends to** MSMQMailService

**Test Application-**

I have created an console application.

In **the App config** file**-** I have added

<add key="EmailTurnOn" value="true"/>

<add key="EmailTo" value="amita.sachan@returnonweb.com" />

<add key="EmailCC" value="sindhu.t@returnonweb.com" />

<add key ="EmailBcc" value="sindhu.t@returnonweb.com"/>

<!--Email seetings for exceptions -->

<add key ="FailureEmailTo" value="amita.sachan@returnonweb.com" />

<add key ="FailureEmailCC" value="sindhu.t@returnonweb.com" />

<add key ="FailureEmailBcc" value="sindhu.t@returnonweb.com"/>

<add key ="EmailFrom" value="sachan.amita33@gmail.com" />

Under <EmailSettings>

**configurationReader.cs**

**First I declared all variables.**

public readonly string EmailTurnOn;

public readonly string EmailTo;

public readonly string EmailCC;

public readonly string EmailBcc;

public readonly string FailureEmailTo;

public readonly string FailureEmailCC;

public readonly string FailureEmailBcc;

public readonly string EmailFrom;

**then I added**

var emailSection = (System.Collections.Specialized.NameValueCollection)ConfigurationManager.GetSection("EmailSettings");

this syntax reads all keys and values which are in app.config file. Then I have stored all values in these variables-

EmailTurnOn = emailSection["EmailTurnOn"];

EmailTo = emailSection["EmailTo"]; This is same as in App file

EmailCC = emailSection["EmailCC"];

EmailBcc = emailSection["EmailBcc"];

**Consumer.cs**- Always add these two libraries in reference-

using Microsoft.Practices.EnterpriseLibrary.Logging;

using Microsoft.Practices.EnterpriseLibrary.Common;

I use Use this class which reads all values of configuration reader-

ConfigurationReader configurationReader = new ConfigurationReader(); it reads all values of configurationReaders.

Must use this statement-

EmailSender objEmailSender = new EmailSender(@".\Private$\EmailQueue"); don’t change the parameter in emailsender.

Then write your mail function and message body and then add

**objEmailSender.QueueMessage(objMailMessage);**

**This QueueMessage() belongs to MailSenderLibrary and sends message.**