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| **C++ program to send Mail** |

**Question**

Build a C++ program to send Mail. You have to use smtp server that should work all the mail domain. If the from address contain “@gmail.com” the smtp server must be Gmail and likewise if the from address contain “@outlook.com” the smtp server must be outlook.

**Explanaiton**

Gmail SMTP server address is smtp.gmail.com. It requires implicit SSL or explicit SSL (TLS) connection, and you should use your Gmail email address as the user name for ESMTP authentication. For example: your email is gmailid@gmail.com, and then the user name should be [gmailid@gmail.com](mailto:gmailid@gmail.com).

| **Server** | **Port** | **SSL/TLS** |
| --- | --- | --- |
| smtp.gmail.com | 25, 587 | TLS |
| smtp.gmail.com | 465 | SSL |

**Code**

#include "stdafx.h"

#include <tchar.h>

#include <Windows.h>

#include "EASendMailObj.tlh"

using namespace EASendMailObjLib;

const int ConnectNormal = 0;

const int ConnectSSLAuto = 1;

const int ConnectSTARTTLS = 2;

const int ConnectDirectSSL = 3;

const int ConnectTryTLS = 4;

int \_tmain(int argc, \_TCHAR\* argv[])

{

::CoInitialize(NULL);

IMailPtr oSmtp = NULL;

oSmtp.CreateInstance(\_\_uuidof(EASendMailObjLib::Mail));

oSmtp->LicenseCode = \_T("TryIt");

// Set your gmail email address

oSmtp->FromAddr = \_T("gmailid@gmail.com");

// Add recipient email address

oSmtp->AddRecipientEx(\_T("support@emailarchitect.net"), 0);

// Set email subject

oSmtp->Subject = \_T("simple email from Visual C++ with gmail account");

// Set email body

oSmtp->BodyText = \_T("this is a test email sent from Visual C++ project with Gmail");

// Gmail SMTP server address

oSmtp->ServerAddr = \_T("smtp.gmail.com");

// Gmail user authentication should use your

// Gmail email address as the user name.

// For example: your email is "gmailid@gmail.com", then the user should be "gmailid@gmail.com"

oSmtp->UserName = \_T("gmailid@gmail.com");

oSmtp->Password = \_T("yourpassword");

// Use SSL 465 port,

oSmtp->ServerPort = 465;

// detect SSL/TLS automatically

oSmtp->ConnectType = ConnectSSLAuto;

\_tprintf(\_T("Start to send email via gmail account ...\r\n"));

if(oSmtp->SendMail() == 0)

{

\_tprintf(\_T("email was sent successfully!\r\n"));

}

else

{

\_tprintf(\_T("failed to send email with the following error: %s\r\n"),

(const TCHAR\*)oSmtp->GetLastErrDescription());

}

return 0;

}