SMTP 介接

OMICard 操作手册



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1. 摘要

1.1. SMTP 用途

發電子報可以就如同發 Outlook 一樣簡單。

透過沛盛 SMTP 發送,企業 IT 跟開發人員,完全免掉管理郵件伺服器的成本,只要將對外郵件發送透 過沛盛郵件發信機即可。

1.2. 設定步驟

a. 先設定 OMICard · 啟用選項。

b. 設定 SMTP

1.3. SMTP 設定參數

SMTP Server : smtp.itpison.com

Port: 465

SSL 加密

需帳號認證,輸入 OMICard 登入帳號與密碼。

2. OMICard 設定

重要:SMTP 測試若還沒有設定完郵件 DNS(SPF、DKIM、DMARC),請勿使用公司 內部郵件地址信箱,因為會被公司的郵件服務器阻擋(請參考<mark>原因說明</mark>)。建議先 使用 Gmail 做測試,確認 SMTP 使用無誤,並設定完郵件 DNS 後,才使用公司郵 件測試。

2.1. 登入 OMICard

請由「沛盛資訊」官網進入「會員登入」 https://www.itpison.com/



2.2. 將 NewerMail 啟用

用 OMICard 註冊帳號登入,如下圖,點選右上方「訊息」→「SMTP 設定」 選取「啟用」後儲存設定。

訊息	訊息 樣版		行銷 客戶			報表	任務	客	服	後台
專案	郵件發送	<u>SMTP設定</u>	簡訊發送	MMS發送	推播發送	LINE發送	個人化設定	寄件設定	點擊追蹤	
SMTP設定										OMICARD
帳號設定										
登入設定	🗌 允許使用電	子郵件登入								
郵件設定 ◎ 啟用	○停用									
附件檔選項	 所有附件檔,自動壓縮成一個壓縮檔。預設壓縮檔檔名: ,解壓縮密碼: ,解壓縮密碼: (空白表示不設定密碼) 將附件檔解壓縮,解壓縮後檔案當作附件檔 停用此功能 									

3. SMTP 設定參數

3.1. 通訊埠與加密等級

通訊埠是兩台電腦系統溝通通道,加密為在溝通過程中資料是否加密。在郵件傳輸中,國際間習慣保留給 SMTP 常見通訊埠為 25,587,465。傳輸過程加密則有 SSL 以及 TLS (STARTTLS)。

以傳輸加密協定 TLS 其實為 SSL 更新版,在 SSL 3.0 之後版本就改稱 TLS 1.0。但 SMTP 傳輸中所稱 TLS, 為「STARTTLS」,SSL 與 STARTTLS 差別在於,SSL 為當通信傳輸雙方建立起連線,即開始資料加密。但 STARTTLS 為連線建立之後,特別要求開始加密時,才進行加密。從架構上而言,SSL 對資料傳輸保護優於 STARTTLS。

任一通訊埠都可以選擇不同加密方式,雖然國際間有慣用通訊埠與對應加密方式,但 SMTP 服務器可以 明確列出,它所使用的通訊埠與加密,用戶端(Client)只要依照 SMTP 服務器所提供說明設定即可。

國際間慣用 SMTP 通訊埠

- 25: 是 SMTP 通訊協定最早也是最標準通訊埠,通常為不加密使用,但若通信雙方協議,也可以 設定為加密。
- 465: 常見為 SSL 通信埠使用,當今郵件系統多數採用此通訊埠並作加密。
- 587:常見提供給 TLS (STARTTLS) 使用。

除了以上慣用通信通訊埠,依照客戶要求,「沛盛資訊」可提供特定通訊埠供使用。

3.2. 25 Port 不加密

SMTP 伺服器: smtp.itpison.com (備用: smtp2.itpison.com) 帳號: OMICard 登入帳號 密碼: OMICard 登入密碼 通訊埠:25 加密等級:不加密

3.3. 465 Port · SSL 加密

SMTP 伺服器: smtp.itpison.com (備用: smtp2.itpison.com) 帳號: OMICard 登入帳號 密碼: OMICard 登入密碼 通訊埠: 465 加密等級: SSL

3.4. TLS (STARTTLS)

SMTP 伺服器: smtp.itpison.com (備用: smtp2.itpison.com) 帳號: OMICard 登入帳號 密碼: OMICard 登入密碼 通訊埠: 25,587 加密等級: TLS (STARTTLS)

Note: 採用加密 SSL 或 TLS (STARTTLS),不同的通信程式,有可能會驗證憑證是否相符。 smtp.itpison.com 所使用的加密憑證為沛盛資訊全網域憑證*.itpison.com,因此若使用加密一直無法連 線到 SMTP 主機(如下),可改為連線 smtp.itpison.com SMTP 錯誤:無法連線到 SMTP 主機。Connection failed. stream socket enable crvptoo: Peer certificate CN='*.ipison.com' did not match expected CN='smtp. itpison.com'

4. SMTP 測試

4.1. 網頁式 SMTP 測試

設定完畢後,可使用以下任一網頁式 SMTP 工具做測試:

- <u>https://www.gmass.co/smtp-test</u>
- https://www.smtper.net/
- https://dnschecker.org/smtp-test-tool.php
- 4.2. 網頁式 SMTP 示範測試
- 4.2.1. Gmass.com 測試

以下採用 <u>https://www.gmass.co/smtp-test</u> 作為測試示範

先輸入必要參數

SMTP Server: smtp.itpison.com

Port: 25 或 465(加密)

SMTP Test Too										
Test your connection to Sendgrid, Mailgu	n, Amazon SES, or any S	MTP server. See	the exact S	SMTP "conversa	tion" to hel	lp you trouble	shoot			
email issues. FAQ.										
Need a different SMTP service? Here's my technical	review of popular SMTP service	s.								
SMTP Server	Port			Security						
smtp.newermail.com	25			Auto						
Sendgrid Mailgun SMTP2GO sendinblue JangoSMTP	25 2525 465 587									
1		Password								
Image: Contract of Contract Contract of Contrac										
ominews	From email address			To email address						
ominews From email address		To email ad	idress							
ominews From email address		To email ad	idress							

SMTP 完整資料傳送過程

開始測試後,可在網頁中看到 SMTP 完整資料傳送過程

```
Connected to smtp://smtp.newermail.com:25/?starttls=when-available
<< 220 newermail.com Mail Service, NewerMail 5.9.0.1 ready at
>> EHL0 [172.31.10.74]
<< 250-newermail.com Hello [35.161.55.56]
<< 250-AUTH LOGIN PLAIN
<< 250-HELP
<< 250 OK
>> AUTH PLAIN AG9taW5ld3MAJGl0cGlzb24jcXdlcg==
<< 235 Authentication successful.
>> MAIL FROM:<smtptest@itpison.com>
<< 250 2.1.0 smtptest@itpison.com....Sender OK
>> RCPT TO:<itpworker@gmail.com>
<< 250 2.1.5 itpworker@gmail.com
>> DATA
<< 354 Start mail input; end with <CRLF>.<CRLF>
>> From: smtptest@itpison.com
>> Date:
>> Subject: SMTP test from smtp.newermail.com
>> Message-Id: <1JQGNTDGDEU4.YMIDK6FN0A3S2@WIN-AUIR3RRGP88>
>> To: itpworker@gmail.com
>> MIME-Version: 1.0
>> Content-Type: multipart/alternative; boundary="=-T0Z3FUVdYh56ThzTHinh1w=="
>>
>> --=-T0Z3FUVdYh56ThzTHinh1w==
>> Content-Type: text/plain; charset=utf-8
>>
>> Test message
>> --=-T0Z3FUVdYh56ThzTHinh1w==
>> Content-Type: text/html; charset=utf-8
>> Content-Id: <1JQGNTDGDEU4.24JD26ALSA451@WIN-AUIR3RRGP88>
>>
>> <b>Test message</b>
>> --=-T0Z3FUVdYh56ThzTHinh1w==--
>> .
<< 250 LaunchID=67239495
```

4.2.2. Smtper.net 測試

若有測試錯誤訊息,可採用不同的測試網站,避免是測試網站本身問題。

以下採用 https://www.smtper.net/作為測試示範



4.2.3. 收取測試郵件

隨後即可在收信箱中看到這封測試郵件,代表所有 SMTP 設定成功。若無法收到測試郵件,代表測試失 敗,可將上面的傳輸過程錯誤訊息,提供給沛盛資訊做檢查。



郵件內容僅有一段"Test message",但可以看到寄件人就是在 SMTP 測試網頁填入的資料。



5. 範例程式

5.1. Python 程式範例

import smtplib from email.mime.multipart import MIMEMultipart from email.mime.text import MIMEText

```
# SMTP server configuration
smtp_server = "smtp.itpison.com"
smtp_port = 465
smtp_username = "登入名稱"
smtp_password = "登入密碼"
# Email content
from_email = "寄件者郵件地址"
from_name = "寄件者名稱"
to_email = "收件者郵件地址"
to_name = "收件者名稱"
```

```
reply_to_email = "回覆郵件地址" # 新增 Reply-To 地址
subject = "Test Mail"
```

```
html_body = """
這是測試信!!<br>
```

```
# Create message container
msg = MIMEMultipart("alternative")
msg["From"] = f"{from_name} <{from_email}>"
msg["To"] = f"{to_name} <{to_email}>"
msg["Subject"] = subject
msg["Reply-To"] = reply_to_email # 設定 Reply-To 標頭
```

```
# Attach the HTML body
msg.attach(MIMEText(html_body, "html"))
```

try:

Connect to the SMTP server

```
server = smtplib.SMTP_SSL(smtp_server, smtp_port)
server.login(smtp_username, smtp_password)
```

Send email
server.sendmail(from_email, to_email, msg.as_string())
server.quit()

print("Message has been sent")
except Exception as e:
 print(f"Message could not be sent. Error: {str(e)}")

6. 常見錯誤排除

6.1. SMTP 資料填寫錯誤

大多數的 SMTP 測試失敗,都是來自於設定錯誤請檢查

a. OMICard 後台的 NewerMail 選項有「啟用」。

b. 確實依照本說明書的 SMTP 參數設置

6.2. 自有網路阻擋對外使用 SMTP

若是使用家用動態 IP (光纖、ADSL), 行動通訊 4G/5G 頻寬、或是共享虛擬主機空間(例如 wordpress 建站),這些網路服務提供商都有可能阻擋對外 SMTP, 封鎖 port 25 無法對外連接。

如果你使用網頁式 SMTP 測試都能正常收到信件,但使用自有對外網路則遇到無法連線 smtp.itpison.comport 25,即代表你的網路封鎖了對外 SMTP port 25。通常需要有固定 IP 線路,才能夠 使用對外的 SMTP 連線 port 25。

7. [進階] SMTP 連線發送參數設定

註:此部分為進階選項,利用郵件檔頭(header)下達郵件發送指令。

7.1.X-Header

透過 Smtp 連線(25/465/587 SSL/TLS) · User 預設選項可以在 EmailUserLaunchSettingInfo 設 定 · 亦可在郵件檔頭加入 X- Hedaer 控制選項 · 以下選項可以同時合併使用:

1. JobName: 任務名稱, 檔頭名稱: X-JobName

2. RefNumber: 任務參考號碼,檔頭名稱: X-RefNumber

- 3. NextLaunchTime: 預約啟動時間, 檔頭名稱: X-NextLaunchTime
- 4. LaunchExpireTime: 啟動截止時間,檔頭名稱: X-LaunchExpireTime
- 5. LaunchType: 檔頭名稱:X-LaunchType
- 6. LaunchClass: 檔頭名稱:X-LaunchClass
- 7. LaunchOption: 檔頭名稱: X-LaunchOption
- 8. JobOption: 檔頭名稱: X-JobOption
- 9. ListOption: 檔頭名稱: X-ListOption
- 10. LinkOption: 檔頭名稱: X-LinkOption
- 11. SendOption: 檔頭名稱: X-SendOption
- 註:LaunchOption/JobOption...等等參數選項,請參閱 附錄 A: EmailOption

7.2.X-Header 範例

7.2.1. 不要追蹤開啟

X-LinkOption: 64 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

Python 範例:

import smtplib from email.mime.text import MIMEText

SMTP server configuration smtp_server = "smtp.itpison.com" smtp_port = 465 smtp_username = "登入名稱" smtp_password = "登入密碼"

Email content
from_email = "test@itpison.com"
to_email = "test@gmail.com"
subject = "Test Sample"
custom_header_key = "X-LinkOption"
custom_header_value = "64"
body = "This is Test Email"

Create email message msg = MIMEText(body, "plain") msg["From"] = from_email msg["To"] = to_email msg["Subject"] = subject msg.add_header(custom_header_key, custom_header_value) # 加入自訂標頭

try:

Connect to the SMTP server
server = smtplib.SMTP_SSL(smtp_server, smtp_port)
server.login(smtp_username, smtp_password)

Send email
server.sendmail(from_email, to_email, msg.as_string())
server.quit()

print("Message has been sent")
except Exception as e:
 print(f"Message could not be sent. Error: {str(e)}")

7.2.2. 不要追蹤連結

X-LinkOption: 128 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

7.2.1. 不要追蹤開啟及連結

X-LinkOption: 192 From: test@itpison.com To: test@gmail.com Subject: Test Sample This is Test Email

7.2.1. 不要追蹤開啟及連結

X-LinkOption: 192 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

7.2.1. 保留所有 To 檔頭

X-ListOption: 1 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

7.2.1. 保留所有 Cc 檔頭

X-ListOption: 2 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

7.2.1. 不要過濾名單

X-ListOption: 65536 From: test@itpison.com To: test@gmail.com Subject: Test Sample

This is Test Email

8. 附錄 A: EmailOptions

1. LaunchOption

- const int cLHRemoveFilesAfterCompleteOption=1;
- const int cLHRemoveDataAfterCompleteOption=2;
- const int cLHPendApproveOption=4; // pended launch after approved
- const int cLHAutoGenRefNumberOption=8;
- const int cLHProcessSubListOption=16;
- const int cLHNotCreateJobFolderOption=32; // launcher will use launch folder as job folder
- const int cLHNotCreateLaunchFolderOption=64; // requester save everyhing, string, filepath, in db
- const int cLHCreateJobOption=128; // requester creat job if possible
- const int cLHMLContentSampleListOption=256; // multi-launch content
- const int cLHCheckExtTimeOption=512; // Check StartTime, ExpireTime From LaunchExtTimeInfo
- const int cLHCheckListOption=1024; // Check List Count From LaunchCheckListInfo

2. JobOptions

- const unsigned int cJBDoResendMask=1;
- const unsigned int cJBActiveContentMask=2; // for asp or aspx dynamic merge content
- const unsigned int cJBCreateReportMask=4;
- const unsigned int cJBConvertHtmlToTextFormat=8;
- const unsigned int cJBDynaMergeMask=16; // use dyna merge
- const unsigned int cJBMergeDelMask=32; // user defined merge del
- const unsigned int cJBProcessOptionMask=64; // user defined Process option
- const unsigned int cJBBackupSendMessage=128; // backup a copy of EML
- const unsigned int cJBAuditSendMessage=256; // audit send EML
- const unsigned int cJBConvertContentToUTF8Mask=512;
- const unsigned int cJBAddContentLocationToHtml=1024;
- const unsigned int cJBGetSubjectFromHTMLTitleMask=2048;
- const unsigned int cJBAutoAdjustCharSetToContentCharSet=8192; // auto adjust charset according to email content otherwise adjust content accoring to job charset
- const unsigned int cJBAutoAdjustHeaderCharSetToContentCharSet=16384; // auto adjust subject, fromdisplay,replydisplay, todisplay charset as same as content
- const unsigned int cJBLandSameWebFolderOnly=32768; // if tracklayer > 0, only get the page from the same web folder
- const unsigned int cJBAutoGetLandPageMask = 131072;
- const unsigned int cJBConverTextToHTMLMask = 262144;
- const unsigned int cJBAddExternRefToEmailMask = 1048576;
- const unsigned int cJBSaveWebPageAsMht=2097152;
- const unsigned int cJBHtmlExtElementMask=134217728;
- const unsigned int cJBAddOutlookDeliveryReceiptMask =268435456;
- const unsigned int cJBAddOutlookReadReceiptMask =536870912;
- const unsigned int cJBRemoveFilesAfterComplete=2147483648;

3. LinkOption

- const unsigned int cLKConvertExtLinkToIntResource=1; // 0: convert cid, content-location images to link 1: convert link to cid
- const unsigned int cLKAddQStrToLinkMask=2; //•[§J√B•~ GA ∞—^o∆

- const unsigned int cLKKeepDuplicateLinkMask=4;
- const unsigned int cLKAutoCleanLink=8; // remove amp; from link
- const unsigned int cLKAddBaseToUrl=16;
- const unsigned int cLKAutoGetLinkNameFromTextMask=32;
- const unsigned int cLKNotTrackOpenMask=64;
- const unsigned int cLKNotTrackAllLinkMask=128;
- const unsigned int cLKTrackNameLinkOnlyMask=256;
- const unsigned int cLKNotTrackMailToLinkMask=512;
- const unsigned int cLKTrackFrameLinkMask=1024;
- const unsigned int cLKNotTrackMMSMask=2048;
- const unsigned int cLKNotConvertMMSMask=4096;
- const unsigned int cLKNotConvertImageAsOpenLinkMask =8192;
- const unsigned int cLKTrackQRCodeLinkMask=16384;

4. ListOption

- const unsigned int cLTKeepToHeader=1; // keep job's to
- const unsigned int cLTKeepCcHeader=2;
- const unsigned int cLTAutoAdjustInvalidList=8;
- const unsigned int cLTNoLineEsc=16;
- const unsigned int cLTRemoveUnsubMask=32;
- const unsigned int cLTRemoveDupMask=64;
- const unsigned int cLTRemoveBlackMask=128;
- const unsigned int cLTRemoveWhiteMask=256;
- const unsigned int cLTRemoveReturnMask=512;
- const unsigned int cLTSampleListOnly=1024;
- const unsigned int cLTSampleAndSendAll=2048;
- const unsigned int cLTCheckListFileTypeFromListContent=4096;
- const unsigned int cLTNotExpandToAddress=8192; // not add list column to to list
- const unsigned int cLTNotExpandCcAddress=16384; // not add list column cc to list
- const unsigned int cLTNotExpandBccAddress=32768; // not add list column bcc to list
- const unsigned int cLTBypassAllListProcessFilter=65536; // Bypass all list filtering and processing and Add List to NewListPool
- const unsigned int cLTRemoveDeliverMask = 131072;
- const unsigned int cLTRemoveResponseMask = 262144;
- const unsigned int cLTNotToRemoveSystemBlackMask=524288;
- const unsigned int cLTNotToRemoveSystemRemoveWhiteMask=1048576;

5. SendOption

- const unsigned int cSDSendListMask=15;
- const unsigned int cSDSendMainListOnly=0; // email onnly
- const unsigned int cSDSendMainListFirst=1; // email first > sms
- const unsigned int cSDSendSubListFirst=2; // sms first > email
- const unsigned int cSDSendSubListOnly=3; // sms only
- const unsigned int cSDSendBothList=4; // bth email and sms
- 6. FormerOption
 - a. Content
 - const int cFormerCTHtmlMask=1;
 - const int cFormerCTTextMask=2;

- const int cFormerCTAttachmentMask=4;
- const int cFormerCTMergeMask=8;
- const int cFormerCTSubjectMask=16;
- const int cFormerCTFromDisplayMask=32;
- const int cFormerCTReplyDisplayMask=64;
- const int cFormerCTToDisplayMask=128;

b. List

- const int cFormerLTUnknownMask=1; // not open
- const int cFormerLTOpenMask=2;
- const int cFormerLTOpenNotClickMask=4;
- const int cFormerLTClickMask=8;
- const int cFormerLTForwardMask=16;
- const int cFormerLTForwardOutMask=32;
- const int cFormerLTReturnMask=64;
- const int cFormerLTReplyMask=128;
- const int cFormerLTUnsubscribeMask=256;
- const int cFormerLTSubscribeMask=512;
- const int cFormerLTContactMask=1024;
- const int cFormerLTSendErrorMask=2048;
- const int cFormerLTClickNotOpenMask=4096;

7. AttachOption

- a. bit position
 - 1st bit: 0: no convert to link, 1 convert to link
 - 2nd bit: (only when 1st bit is 0) 0: no authenticate, 1 Authenticate Page
 - 3rd bit: (only when 1st bit is 1) 0: not track link , 1 track link
 - 4th bit: (only when 2nd bit is 1) 0: system show authenticate accept page 1: third Party show authenticate accept Page (when AuthenticateURI is presented)
 - 5th bit: (only when 2nd bit is 1 and only if 3rd bit is 0) 0: form post back to system (if AuthenticateURI is presented then 3rd part authenticate, otherwise system suthenticate), 1 form post directly to third Party authenticate Page (when AuthenticateURI is presented)
 - //6th bit: 0 form post, 1 form get
 - 6th bit: (only when 1st bit is 1) 0: one attchamen link one line 1: align all attachment links in one line
 - 7th bit: 1 convert attachment to PDF
 - 8th bit: 0: checksource is referer 1: checksource is ip
 - 9th bit: 1 Support Dynamic Merge, such asp, aspx
 - 10th bit: 1 compress attachment
 - 11th bit: 1 uncompress attachment
 - 12th bit: 1 check/determine attachment as email list by comparing system/user defined name (AttAsListFileName), usually check attachments from eml file
 - 13th bit: 1 support Dynamic function Merge
 - 14th bit: 1: track open
 - 15th bit: 1: track click
- b. const
 - const int cAttachConvertLinkMask=1;
 - const int cAttachAuthenticateMask=2;
 - const int cAttachTrackLinkMask=4;

- const int cAtachShowThirdPartyMask=8;
- const int cAttachPostThirdPartyMask=16;
- //const int cAttachGetMask=32;
- const int cAttachAlignLinkMask=32;
- const int cAttachConvertPDFMask=64;
- const int cAttachCheckSourceIPMask=128;
- const int cAttachSupportActiveMergeMask=256;
- const int cAttachCompressMask=512;
- const int cAttachUnCompressMask=1024;
- const int cAttachAsListFileMask=2048;
- const int cAttachSupportDynaMergeMask=4096;
- const int cAttachTrackOpenMask=8192;
- const int cAttachTrackClickMask=16384;

```
8. Link Position
```

```
enum eAddPosition
```

```
{
```

```
eTopLeft=0,
eTopMiddle=1,
eTopRight=2,
eBottomLeft=3,
eBottomMiddle=4,
eBottomRight=5,
eMergeLink=9
```

};

9. LinkType

- const int cLinkMask=255;
- const int cMergeLinkMask=256;
- const int cFrameLinkMask=512;
- const int cLandLinkMask=1024;
- const int cHTMLLinkMask=2048;
- const int cTextLinkMask=4096;
- const int cOpenLinkMask=8192;
- const int cQrcodeLinkMask=16384;
- const int cAddEmailMask=32768;
- const int cAddRefMask=65536;
- const int cAddQStrMask=131072;
- const int cNoUrlEncode=262144;
- const int cReadReciptMask=524288;

```
10. LinkClass
```

```
enum ELinkClassType
{
```

```
eRegularLink=0,
```

eOMISLink=1,

eApproveLink=2, eForwardLink=3, eUnsubscribeLink=4, eSubscribeLink=5, eContactLink=6, eAuthenticateLink=7, eRegisterLink=8, eOrderLink=9, eUpdateLink=10, eQuestionaryLink=11, eActivateLink=12, eFromActivateLink=13, eAgreeLink=14, eConfirmLink=15, eStateLink=16, eReceiptLink=17,

eEmailBodyLink=100,

```
eAttachmentLink=128,
eAttachReceipt=129,
eAttachReceipt2=130
```

```
};
```

```
JobType=2 => DeliverType
```

```
enum EDeliveryType
{
    eEmail=0,
    eNews=1,
    eFax=100,
    ePaper=200
};
```

```
JobType=1 => DeliverType
```

```
enum eDeliveryType
{
eSMS=0, // SMS
eMMS=1, // MMS
```

// for IM Message

```
eIM_MSN=11,
eIM_Skype=12,
eIM_Yahoo=13,
// for mobile app
eAppPush=100,
eLinePush=200,
eWeChatPush=300,
eIGPush=400
```

};