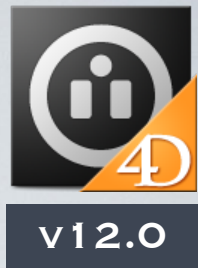


SSL・STARTTLS・UTF-8・HTML・添付ファイル

# 解決! メール送信

# UTF-8

incomplete support



ISO-2022-JP

```
$error:=SMTP_SetPrefs (1;14;0)  
$error:=SMTP_Charset (1;1)
```

```
$hostName:="smtp.gmail.com"  
$from:="keisuke.miyako@gmail.com"  
$to:="keisuke.miyako@4d.com"  
$subject:=...  
$body:=...  
$user:="keisuke.miyako@gmail.com"  
$password:=...  
$useSSL:=1  
$port:=465  
  
$error:=SMTP_New ($smtpId)  
If (0=$error)  
  Case of  
    : (0#IT_SetPort (12;$port))  
    : (0#SMTP_Host ($smtpId;$hostName))  
    : (0#SMTP_From ($smtpId;$from))  
    : (0#SMTP_To ($smtpId;$to))  
    : (0#SMTP_Subject ($smtpId;$subject))  
    : (0#SMTP_Body ($smtpId;$body))  
    : (0#SMTP_Auth ($smtpId;$user;$password))  
  Else  
    $error:=SMTP_Send ($smtpId;$useSSL)  
  End case  
  $error:=SMTP_Clear ($smtpId)  
End if
```

# UTF-8

incomplete support



UTF-8

```
$error:=SMTP_SetPrefs (1;15;0)  
$error:=SMTP_Charset (1;1)
```

code	encoding	header	body
1	windows-1252	quoted-printable	quoted-printable
2, 3, 4	us-ascii	7bit	quoted-printable
5, 6, 7, 8	iso-8859-1	base64	quoted-printable
10, 14	iso-2022-jp	base64	quoted-printable
15, 16	utf-8 (charset= <b>shift-jis</b> )	base64	base64

Unicodeモードに関係なく、Internet Commands (～v13) に渡されたテキストは一旦、shift-jisに変換されなければならない。変換できない文字は？で置換される。

# SMTP over SSL

IMPLICIT MODE



v12.1

```
$error:=SMTP_SetPrefs (1;14;0)  
$error:=SMTP_Charset (1;1)
```

```
$hostName:="smtp.gmail.com"  
$from:="keisuke.miyako@gmail.com"  
$to:="keisuke.miyako@4d.com"  
$subject:=...  
$body:=...  
$user:="keisuke.miyako@gmail.com"  
$password:=...  
$useSSL:=1  
$port:=465
```

SMTP over SSL

```
$error:=SMTP_New ($smtpId)  
If (0=$error)  
  Case of  
    : (0#IT_SetPort (12;$port))  
    : (0#SMTP_Host ($smtpId;$hostName))  
    : (0#SMTP_From ($smtpId;$from))  
    : (0#SMTP_To ($smtpId;$to))  
    : (0#SMTP_Subject ($smtpId;$subject))  
    : (0#SMTP_Body ($smtpId;$body))  
    : (0#SMTP_Auth ($smtpId;$user;$password))  
  Else  
    $error:=SMTP_Send ($smtpId;$useSSL)  
  End case  
  $error:=SMTP_Clear ($smtpId)  
End if
```

SMTP over SSL



# SMTP over SSL

IMPLICIT MODE



v12.1



## ← Less secure apps



Some apps and devices use less secure sign-in technology, which makes your account more vulnerable. You can **turn off** access for these apps, which we recommend, or **turn on** access if you want to use them despite the risks. [Learn more](#)

### Access for less secure apps

☒ Turn off

☐ Turn on

Error with AUTHENTICATION

# SMTP over SSL

IMPLICIT



v13.2

```
$error:=SMTP_SetPrefs (1;14;0)  
$error:=SMTP_Charset (1;1)
```

```
$hostName:="smtp.gmail.com"  
$from:="keisuke.miyako@gmail.com"  
$to:="keisuke.miyako@4d.com"  
$subject:=...  
$body:=...  
$user:="keisuke.miyako" SMTP over SSL  
$password:=...  
$useSSL:=1  
$port:=465  
  
$error:=SMTP_QuickSend ($hostName;$from;$to;$subject;$body;$useSSL;$port;$user;$password)
```

ポート番号・ユーザー名・パスワードを設定  
(SMTP\_Sendを使用する必要なし)

# STARTTLS

EXPLICIT



v13.2

```
$error:=SMTP_SetPrefs (1;14;0)  
$error:=SMTP_Charset (1;1)
```

```
$hostName:="exchange.4d.com"  
$from:="keisuke.miyako@4d.com"  
$to:="keisuke.miyako@4d.com"  
$subject:=...  
$body:=...  
$user:="keisuke.miyako@4d.com"  
$password:=...  
$useSSL:=0  
$port:=587  
  
$error:=SMTP_QuickSend ($hostName;$from;$to;$subject;$body;$useSSL;$port;$user;$password)
```

STARTTLS

STARTTLS: 非SSLポート番号 (Exchange: 587) に接続し、サーバーから要求された場合、SSL/TLSに移行する。

# UTF-8

full support



v14.0

ISO-2022-JP

```
$error:=SMTP_SetPrefs (1;14;0)  
$error:=SMTP_Charset (1;1)
```

code	encoding	header	body
1	utf-8	base64	base64
2, 3, 4	utf-8	base64	base64
5, 6, 7, 8	utf-8	base64	base64
10, 14	utf-8	base64	base64
15, 16	utf-8	base64	base64

SMTP\_SetPrefs, SMTP\_Charsetの指定に関係なく, Internet Commands (v14) に渡されたテキストは常にUnicode (UTF-8) で送信されるのはバグ。



# HTML

content-type



v14.0

```
$error:=SMTP_New ($smtpId)
If (0=$error)
  Case of
    : (0#IT_SetPort (12;$port))
    : (0#SMTP_Host ($smtpId;$hostName))
    : (0#SMTP_From ($smtpId;$from))
    : (0#SMTP_To ($smtpId;$to))
    : (0#SMTP_Subject ($smtpId;$subject))
    : (0#SMTP_Body ($smtpId;$body;4))
    : (0#SMTP_Auth ($smtpId;$user;$password))
  Else
    $error:=SMTP_Send ($smtpId;$useSSL)
  End case
$errorText:=IT_ErrorText ($error)
$error:=SMTP_Clear ($smtpId)
End if
```

Content-Type:text/html

```
$error:=SMTP_AddHeader ($smtpId;"Content-Type";"text/html")
```

# 添付ファイル

content-type



v14R4

```
$error:=SMTP_Attachment ($smtpId;$filePath;2;0;"";$contentType)
```

base64

append

code	encoding
0	none
1	BinHex
2	Base64
3	AppleSingle
4	AppleDouble
5	AppleSingle+Base64
6	AppleDouble+Base64
7	UUEncode

※最新のApple Mail/iOSはBinHex非対応

code	mode
0	append
1	over-write
2	remove

content-typeが省略された場合、  
拡張子に基づいて自動的に追加

# 添付ファイル

content-id



v14R4

```
$error:=SMTP_Attachment ($smtpId;$filePath;2;0;$contentId;$contentType)
```

```
$error:=SMTP_New ($smtpId)
If (0=$error)
  Case of
    : (0#IT_SetPort (12;$port))
    : (0#SMTP_Host ($smtpId;$hostName))
    : (0#SMTP_From ($smtpId;$from))
    : (0#SMTP_To ($smtpId;$to))
    : (0#SMTP_Subject ($smtpId;$subject))
    : (0#SMTP_Body ($smtpId;$body;4))
    : (0#SMTP_Attachment ($smtpId;$logoPath;2;0;"image1"))
    : (0#SMTP_Auth ($smtpId;$user;$password))
  Else
    $error:=SMTP_Send ($smtpId;$useSSL)
  End case
  $errorText:=IT_ErrorText ($error)
  $error:=SMTP_Clear ($smtpId)
End if
```

content-id

```

```

content-id

# MIME

4D Write Pro



v14R5

`$error:=SMTP_QuickSend ($hostName;$from;$to;$subject;$body;$param;$port;$user;$password)`

		11	12.1	13.2	14.0	14R5
no SSL	0		○			
STARTTLS	0			○	○	○
SMTP over SSL	1		○	○	○	○
no SSL	2			○	○	○
HTML/no SSL	4				○	○
HTML/STARTTLS	5				○	○
MIME/no SSL	8					○
MIME/STARTTLS	9					○