

# Citect SCADA PLUSSMTP

Citect Utilities SMTP Connection DLL Interface Functions.  
Allows CitectSCADA to send emails using an SMTP server.

Version 1.3

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Based on PLUSADO Developed by Tim VanWynk  
and WebRequest Developed by Edmond Quinton

A C# based SMTP class with a VB friendly C++ / COM Interop wrapper

## Installation Instructions:

1. Copy the CSharpSMTP files to the Citect SCADA Bin folder (by default):  
C:\Program Files\Citect\CitectSCADA 7\Bin
2. Register the CSharpSMTP.dll file by running the CSharpSMTPInstaller.bat file.
3. Copy the PlusSMTP CiCode support function into your project:  
PlusSMTP.ci
4. Copy the PlusSMTP dll into your projects folder:  
PlusSMTP.dll

### OR

Specify the path to the DLL in the Citect.ini file:

```
[PATH]  
PLUSSMTP=#####
```

eg. PLUSSMTP=[Bin]

eg. PLUSSMTP=C:\Citect\CtUtl\

5. View the CiCode for additional instructions on how to configure your system.

## Functions:

```
INT      Init();
INT      Deinit();
INT      test();
INT      PLUSSMTP_CreateEmail(
                                STRING host,
                                STRING username,
                                STRING password,
                                INT port,
                                STRING fromEmail
                                );

INT      PLUSSMTP_SetUseSSL(INT handle, bool ssl);
INT      PLUSSMTP_SetEmailSubject(INT handle, STRING Subject);
INT      PLUSSMTP_AppendEmailBodyText(INT handle, STRING Text);
INT      PLUSSMTP_SetEmailPriority(INT handle, INT intPriority);
INT      PLUSSMTP_AttachFileToEmail(INT handle, STRING Filepath);
INT      PLUSSMTP_AddDestinationEmail(INT handle, STRING EmailAddress, INT intType);
INT      PLUSSMTP_ExportEmailAsTextFile(INT handle, STRING OutputFile);
INT      PLUSSMTP_CloseEmail(INT handle);

INT      PLUSSMTP_SendEmail(INT handle, INT timeout);

STRING   PLUSSMTP_GetDetailedSendError(INT handle);
STRING   PLUSSMTP_GetEmailAsString(INT handle);
INT      PLUSSMTP_GetEmailStatus(INT handle);
```

## CiCode Example:

```
INT handle = -1;
FUNCTION PLUSSMTPCiCodeExample ()

    // Create a new Email Handle

    handle = PLUSSMTP_CreateEmail(
                                "mail.citect.com",
                                "testplussmtp@ciect.com",
                                "testpassword",
                                2525,
                                "testplussmtp@ciect.com"
                                );

    ErrLog(" PLUSSMTP_CreateEmail - Handle = "+IntToStr(handle ));

    // Write email configuration propertied to email handle

    INT Code_SetUseSSL = PLUSSMTP_SetUseSSL(handle, 0);
    ErrLog(" PLUSSMTP_SetUseSSL = "+IntToStr(Code_SetUseSSL));

    INT Code_SetEmailPriority = PLUSSMTP_SetEmailPriority (handle, 0);
    ErrLog(" PLUSSMTP_SetEmailPriority = "+IntToStr(Code_SetEmailPriority));
```

```

    INT Code_AttachFileToEmail = PLUSSMTP_AttachFileToEmail( handle,
"C:\Index.pdf");
    ErrLog(" PLUSSMTP_AttachFileToEmail = "+IntToStr(Code_AttachFileToEmail));

    INT Code_SetEmailSubject = PLUSSMTP_SetEmailSubject(handle, "Hello From Citect
PLUSSMTP" );
    ErrLog(" PLUSSMTP_SetEmailSubject = "+IntToStr(Code_SetEmailSubject));

    // Add lines to body of email
    INT Code_AppendEmailBodyText = PLUSSMTP_AppendEmailBodyText(handle, "Hello," );
    Code_AppendEmailBodyText = PLUSSMTP_AppendEmailBodyText(handle, "Line 2");
    Code_AppendEmailBodyText = PLUSSMTP_AppendEmailBodyText(handle, "Line 3");
    ErrLog(" PLUSSMTP_AppendEmailBodyText = "+IntToStr(Code_AppendEmailBodyText));

    // Add lines to body of email

    // Add email recipients to email
    INT Code_AddDestinationEmail = PLUSSMTP_AddDestinationEmail(handle,
"austin.scott@citect.com", 0);
    Code_AddDestinationEmail = Code_AddDestinationEmail +
PLUSSMTP_AddDestinationEmail(handle, "testplussmtp2@citect.com", 0);
    Code_AddDestinationEmail = Code_AddDestinationEmail +
PLUSSMTP_AddDestinationEmail(handle, "testplussmtp3@citect.com", 0);
    ErrLog(" PLUSSMTP_AddDestinationEmail TO =
"+IntToStr(Code_AddDestinationEmail));

    Code_AddDestinationEmail = Code_AddDestinationEmail +
PLUSSMTP_AddDestinationEmail(handle, "testplussmtpCC@citect.com", 1);
    ErrLog(" PLUSSMTP_AddDestinationEmail CC =
"+IntToStr(Code_AddDestinationEmail));

    Code_AddDestinationEmail = Code_AddDestinationEmail +
PLUSSMTP_AddDestinationEmail(handle, "testplussmtpBCC@citect.com", 2);
    ErrLog(" PLUSSMTP_AddDestinationEmail BCC =
"+IntToStr(Code_AddDestinationEmail));

    // SEND the Email

    INT Code_SendEmail = PLUSSMTP_SendEmail(handle,30000);
    ErrLog(" PLUSSMTP_SendEmail = "+IntToStr(Code_SendEmail));

    // Write sent email to a log file
    INT Code_ExportEmailAsTextFile = PLUSSMTP_ExportEmailAsTextFile( handle,
"C:\PLUSSMTPEmailLog.txt" );
    ErrLog(" PLUSSMTP_ExportEmailAsTextFile =
"+IntToStr(Code_ExportEmailAsTextFile));

    TraceMsg( PLUSSMTP_GetDetailedSendError(handle) );

END

// Returns the current status of the email
INT FUNCTION getEmailStatusCode()
    RETURN PLUSSMTP_GetEmailStatus(handle);
END

```

