Industrial Automation

Tech Note 31   Emailing via a Secure Connection

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Abstract:

This document describes sending emails using a secure connection, with examples using Gmail, Yahoo, and Outlook.com accounts.

Products:

DSPZR / CSMSTRZR / Graphite® HMI / Graphite® Controllers

Use Case: Emailing via a Secure Connection

Many SMTP servers require a secure connection, using SSL, TLS, or STARTTLS; this document explains how to configure a secure connection in Crimson® 3.0.
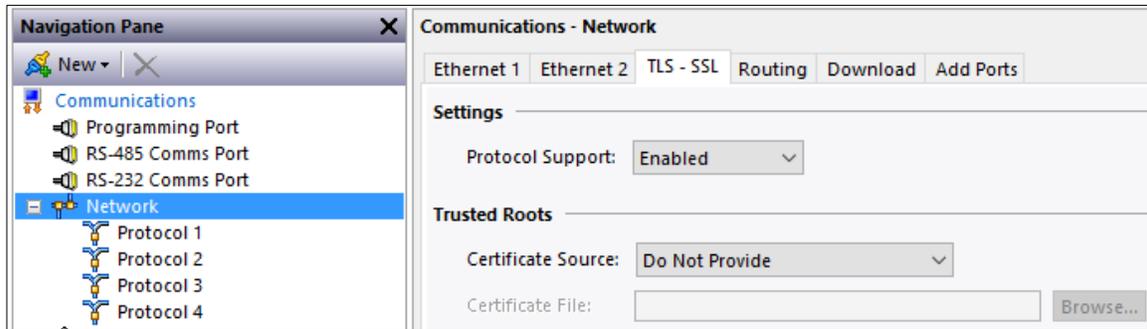
Required Software:

Crimson® 3.0

Required Firmware:

Build 694.000 or higher

Enable Secure Protocol Support

1. Navigate to the Communications section.
2. Configure Ethernet1, Ethernet 2, or a cellular modem driver as needed for the application.
3. Click on *Network*.
4. Click on the *TLS – SSL*.
5. Set Protocol Support to *Enabled* under Settings.
6. Select Certificate Source

    Note: Providing a certificate is not required for secure connection to be established. However, the default may or may not meet application's security requirements. Consult with the Information Technology department for security requirements.

Configure Mail Manager to Use a Secure Connection
1. Navigate to the Communications section.
2. Click on *Mail Manager* under Services.
3. Click on the *Mail* tab.
4. Set Enable Mail Manager to *Yes*.
5. Set the Unit Name.
6. Click the *Edit Contacts* link.
7. Configure contacts as required.
8. Click *OK.*
9. Click on the *SMTP* tab.
10. Set the Transport Mode to *Enabled.*
11. Configure the remaining SMTP transport settings as required.
12. Configure the SMTP Authentication with the required Method, Username, and Password.
13. Set the Use Secure Connection to *SSL/TLS* or *STARTTLS* as required.
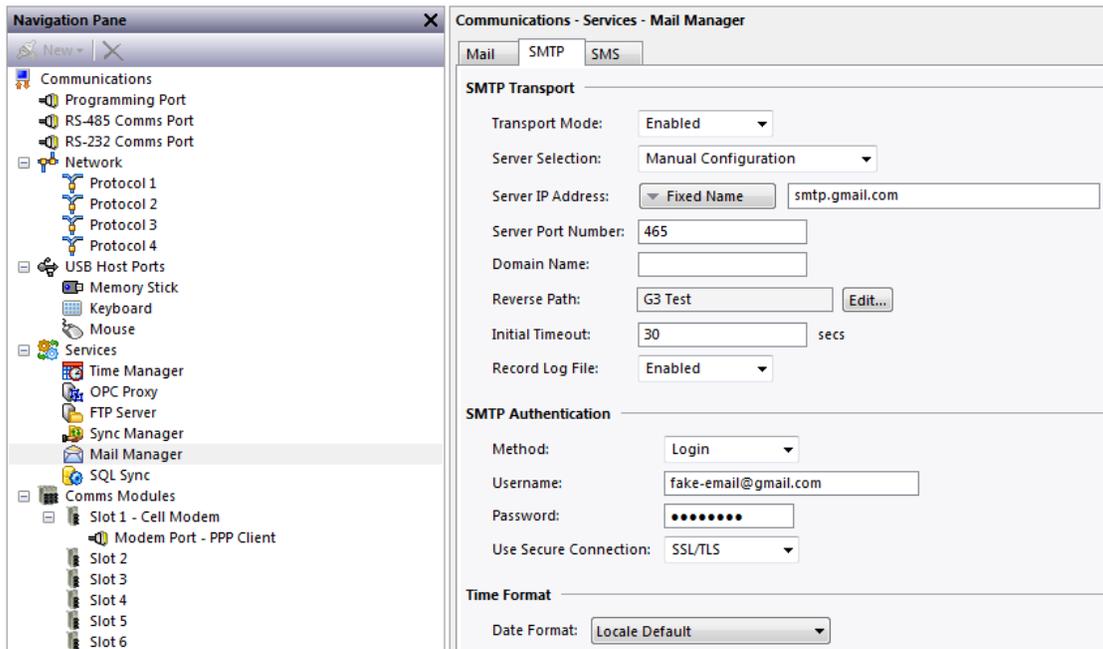
Common Email Provider Settings

<u>Gmail SMTP Settings</u>
- Server Address: smtp.gmail.com
- Username: Your full Gmail address (e.g. yourusername@gmail.com)
- Password: Your Gmail password
- Port (TLS): 587
- Port (SSL): 465
- TLS/SSL required: yes.

<u>Yahoo SMTP Settings</u>
- Server Address: smtp.mail.yahoo.com
- Username: Your full Yahoo address (e.g. yourusername@yahoo.com)
- Password: Your Yahoo password
- Port: 465 or 587
- Requires SSL: Yes
- Requires TLS: Yes (if available).

<u>Outlook.com SMTP Settings</u>
- Server Address: smtp-mail.outlook.com
- Username: Your full Outlook.com address (e.g. yourusername@outlook.com)
- Password: Your Outlook.com password
- Port: 587
- Requires STARTTLS: Yes.

Demo Accounts

<u>Gmail:</u>
Redliontest1@gmail.com
Pass: 20willowsprings

<u>Yahoo:</u>
redliontest@yahoo.com
Pass: 20willowsprings

<u>Outlook:</u>
redliontest@outlook.com
Pass: 20willowsprings

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