

Subject	Setting up HTTPS for Apache on a Windows® Server
Product	Commander Site Controller, RubyCi
Revision History	October 9, 2017
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## Overview

This bulletin details the conversion from “Inbound” HTTP to HTTPS. Beginning with Base 46, a new feature, Enhanced System Monitoring, disrupts events from reaching the remote Transaction Set Archive Server. The Commander needs to be updated to use HTTPS in the “Event Notification Manager”. The instructions below do not include steps for IIS (Microsoft® Web Services) since it is not part of the Verifone TSA distribution.

## Details

To make the Apache Web-Server 2.4.xx version and later “HTTPS enabled”, follow these instructions:

1. Obtain a certificate and private key that can be stored as server.crt and server.key file.  
**NOTE:** Do not proceed until there is a valid server.key and server.crt file. It is the responsibility of the site organization to acquire the Key and Certificate. It is not supplied by Verifone.
2. Stop the Apache Server.
3. Edit httpd.conf in the conf directory of the Apache install.
  - a. Search for “ssl” until “LoadModule ssl\_module modules/mod\_ssl.so” is found and uncomment it if it is commented out.
  - b. Search again for “ssl” until “Include conf/extra/httpd-ssl.conf” is found and uncomment it if it is commented out.

- c. Return to top of the conf file and search for "shmcb" until "LoadModule socache\_shmcb\_module modules/mod\_socache\_shmcb.so" is found and uncomment it if it is commented out.
  - d. Save the changes.
4. Install the key and certificate file, obtained in Step 1, in the location specified in the httpd-ssl.conf. Usually, they are located in the conf directory of the Apache install e.g. c:/Apache24/conf/server.crt and c:/Apache24/conf/server.key.
5. Start the Apache Server and connect using https://localhost.

**NOTE:** A warning might display if the server certificate is self-signed.