

Setting up External Access to Lodgical Server with an SSL Certificate

GUIDE FOR I.T. PROFESSIONALS

ZUCCHETTI NORTH AMERICA, LLC

Introduction

Lodgical Server is a Windows-based application that acts as both a companion service to Lodgical Solution and a web server providing web-based access to some features of Lodgical Solution.

In order to access these features of Lodgical Solution outside your business's network (that is, off-site, or externally), you'll need to set up a Secure Socket Layer (SSL) Certificate for Lodgical Server. This is **different** than any SSL Certificate you might have set up for your website.

Setting up an SSL Certificate involves some installation on the computer that acts as your server for Lodgical, as well as some configuration of your network. Please follow the instructions outlined in this document.

Part 1: Initial Checklist

Before purchasing and setting up an SSL Certificate, you'll need to prepare your network for external access. Please ensure you have done everything on the below checklist before continuing to Part 2.

External Static IP address

Contact your internet service provider to set up an external (aka public) static IP address for your business. **You will not be able to set up your SSL Certificate until you have an external static IP address.**

Internal Static IP address

In addition, you'll need to assign a static IP address internally, on your business's network, to the computer that acts as your server for Lodgical Solution. If you're not sure which computer acts as your server for Lodgical Solution, please contact Zucchetti North America, LLC.

Port numbers for Lodgical Server

Lodgical Server requires two ports – one for SSL connections and one for non-SSL connections. You'll need to determine which ports you will use for these.

NOTE: There are several ports you cannot use. These include ports 80, 443, 8443, 8080 and 9001.

Domain name

Finally, you'll need a domain name that you'll use to access features of Lodgical Solution externally. It can be a subdomain of your business's existing domain, e.g. *Lodgical.MyBusiness.com*.

Part 2: Port Forwarding

Next, you'll need to configure port forwarding on your router so that incoming connections to your router at the SSL port you selected above are forwarded to the internal static IP address you set up above for the computer that acts as your server for Lodgical Solution. **NOTE:** Never forward incoming connections to the non-SSL port; this is for internal use only. Only use the SSL port for external traffic.

Configuring port forwarding varies by router.

Purchase and set up an SSL Certificate

Now purchase an SSL Certificate. You can do this through many providers. For this guide, we'll be using GoDaddy (<https://godaddy.com>).

Purchase an SSL Certificate from GoDaddy here: <https://www.godaddy.com/web-security/ssl-certificate>

After you've purchased the certificate, activate your SSL credit by following the instructions here: <https://www.godaddy.com/help/activate-my-ssl-credit-31927>

Next, you'll need to request your SSL Certificate by entering the CSR you generated above. Follow the instructions here (under the heading "Request your certificate with a CSR that has already been created"): <https://www.godaddy.com/help/request-an-ssl-certificate-standard-assurance-31928#haveacsr>

Next, verify that you have control of the domain you're using for the SSL by following the instructions here: <https://www.godaddy.com/help/verify-my-certificate-request-standard-assurance-23838>

Finally, download your SSL Certificate files by following the instructions here: <https://www.godaddy.com/help/download-my-ssl-certificate-files-4754>

Extract the CRT files from the downloaded certificate ZIP file. You will find that one of the files is your certificate. Copy that file, and save the copied file as C:\Lodgical\SSL\Cert.TXT

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Configure Lodgical Server to use the SSL Certificate

Next, configure Lodgical Server to use the SSL Certificate that you just set up.

Open LodgicalServer.exe. If you do not see a window appear, check your system tray and double-click the Lodgical Server icon there – the application might have been set to auto-run.

Once the Lodgical Server window is open, go to Configure -> Settings.

Settings

.\LodgicalServer.INI

Server

IP: (all addresses)

Server Port: 8081 Non SSL Port: 0

Use SSL?

CRT File: c:\lodgical\ssl\cert.txt

Root CRT File: c:\lodgical\ssl\cert.txt

KEY File: c:\lodgical\ssl\key.txt

SSL Password:

Cipher List: NULL:!eNULL:!PSK:!RC4:!MD5

POS

Max Room Charge: 0.00

Allow Room Charge after check-out

Service:

Logging Level: Debug

OK Cancel

Lodgical Server Settings (Figure 3)

For the ports (“Server Port” and “Non SSL Port”), enter the port numbers you selected in Part 1. Enter the rest of the information as noted above. You should not need an SSL Password, unless one is provided to you. The Default Cipher List as shown above. Do not change this unless instructed by a representative of Zucchetti North America, LLC.

Click OK, then exit and re-open Lodgical Server.

Part 4: Configure your domain name

Next, configure the domain name you selected in Part 1 to point to the external static IP address you received from your internet service provider in Part 1.

The process for doing this varies based on your domain registrar. In general, you'll need to create an A Record to point the domain at your external static IP address.

Part 5: Test

Finally, test to make sure that your setup is working.

Make sure Lodgical Server is running. On a device that is **not** connected to your business's network (e.g. a smart phone with the WiFi turned off), open a browser and go to your domain name with the port number at the end, e.g. *https://Lodgical.MyBusiness.com:8081*. Make sure you type HTTPS at the beginning, **not** HTTP.

If your setup is working, the words "Lodgical Server" should appear on the page in plain text.

Part 6: Notify Lodgical Solution Support

Once your setup is working, send your domain name, including the port number, to a support staff person at Zucchetti North America (Lodgical Solution).