

Plexus TG Virtual Printer

Introduction

Plexus Virtual Printer

The Plexus TG Virtual Printer provides a method to automatically populate Anesthesia Touch's patient schedule, as an alternative when HL7 SIU or similar is not available. To use the printer, from an EMR or other system, the user can select to print a schedule and select the Virtual Printer. This generates a PDF that is sent to Plexus TG Cloud Server where the PDF is parsed to extract scheduling information; the PDF is securely deleted after parsing. The parsed scheduling information populates the appointment list in Anesthesia Touch.

Installation

The tool used to install the Virtual Printer does the following:

1. Installs an HP universal postscript driver
2. Installs the Plexus Virtual Printer
3. Creates a "Local Port" to connect to the Plexus Virtual Printer Windows Service
4. Sets up an installed Windows Printer using the installed driver and port

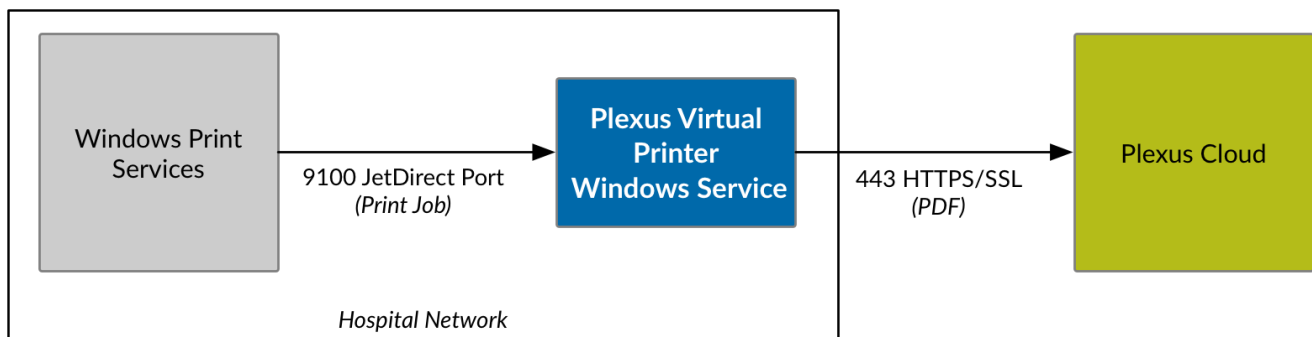
The printer can be setup as a shared printer.

Network Requirements

Once installed, when a user selects to "print" on a machine, the Virtual Printer sends the postscript (PDF) of the document to the Plexus Cloud. This is typically done once a day, and is the only network activity required by the Virtual Printer.

1. The Virtual Printer uses Port 9100 to send the print job to the Printer Service
2. The Printer Service generates and sends the PDF over port 443 using encrypted HTTPS/SSL connection

The Virtual Printer creates no additional network activity.



Alternatives

Alternatives to using the Virtual Printer include the following:

- SIU: An HL7 SIU data feed can be used for updates to the schedule in Anesthesia Touch. The feed can be filtered so that only appropriate updates appear in Anesthesia Touch. Filtered scheduling messages are not visible in Anesthesia Touch
- Scheduling App: Manually updating the schedule in the Plexus TG Scheduling app will also update the appointment list in Anesthesia Touch