How Knox Remote Administration works with WiFi

Administrator PC communicates with Knox Devices via direct WiFi

At Headquarters

- PC with WiFi or Ethernet
- Knox Administrator
- Router
- Server

Direct WiFi

Vehicle Option 1

- Knox devices communicate directly via WiFi
- MedVault 2
- KeySecure 4

WiFi NETWORK

LOCAL OR CITYWIDE

This is the preferred configuration if there is city-wide WiFi coverage or Knox WiFi units can be updated at stations where WiFi coverage is available.
Vehicle mobile router consists of WiFi router and USB MODEM (air card) provided by mobile phone companies. A static IP address for the USB MODEM is normally required to set up VPN for most routers. Knox Units Admin software directly communicates with Knox WiFi unit using the IP address of the Knox WiFi unit.
How Knox Remote Administration works with WiFi

Knox Administrator communicates with Knox Devices via Mobile Vehicle Router (port forwarding)

At Headquarters

PC WITH WiFi or Ethernet
Knox Administrator

Router
Server

Vehicle Mobile Router

WiFi NETWORK
LOCAL OR CITYWIDE

MedVault 2
KeySecure 4

Hard Wire OR Wireless, but not both to same device

Mobile Router

Knox devices connect to mobile router via WiFi or Ethernet.

Router
107.25.228.213
Mapped port (10001)

Knox WiFi Unit
192.168.2.38
Port (10001)

Port forwarding is defined to map the IP address and port number of the router to the IP address and port number of Knox WiFi unit.

The IP address of the USB MODEM (air card) of the vehicle mobile router must be static. Knox Units Admin uses the mapped port and the IP address of the USB MODEM to communicate with Knox WiFi unit.
How Knox Remote Administration works with Internet Interface

Knox Administrator communicates with Knox Devices via Knox Vehicle Software

Knox vehicle software needs to be installed on the vehicle computer and VPN is used to connect vehicle computer back to LAN at headquarters.