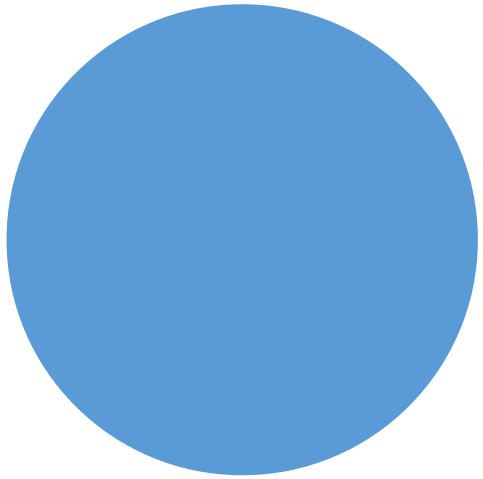
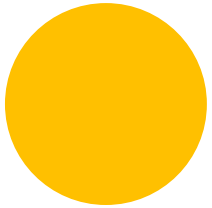



AutoSimply Barcode

Implementation

Barcode

Bring warehouse transactions to the front-line

In the warehouse

Initiate inventory transactions

Scan barcodes to record the transactions

Post the documents directly into Sage 300 real-time

In the back office

Transactions are up-to-date

No more data entry

Key features

Purchase Order

- Goods receipt and return

Order Entry

- Shipment and return

Inventory Control

- Stock transfer
- Internal usage
- Physical count
- Receipt / shipment / return
- Assembly / disassembly

Manufacturing

- Issuance / receipt
- Backflush
- Kanban

Shop Floor Control

- Shop entries

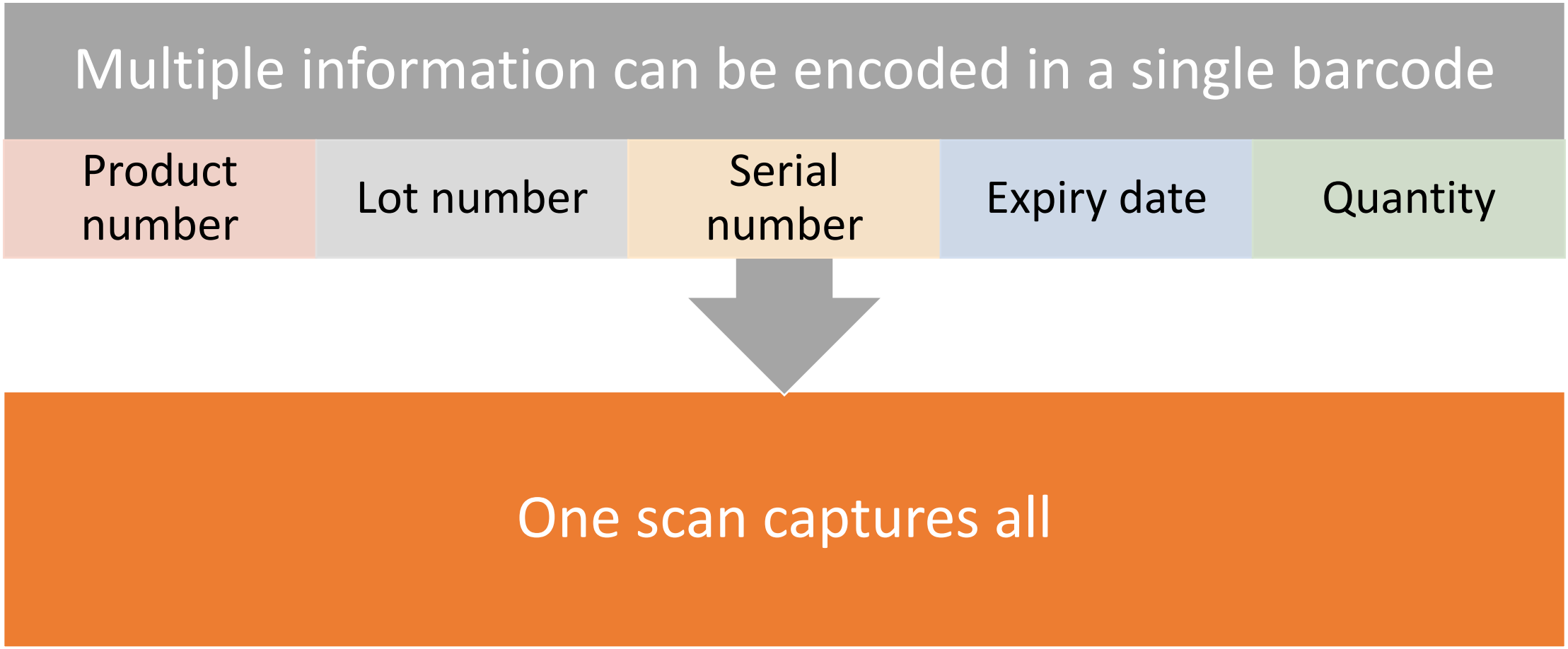
Serialized Inventory and Lot Tracking

Bin Tracking

Inquiry

GS1 / HIBC

GS1/HIBC barcodes



Implementation

Requirements

Sage 300

Sage 300 2014 – 2020

1 Lanpak for connection regardless of number of Barcode users

Windows Server

Windows Server 2012 or above with IIS

Handheld devices

Android 4.4 (Kitkat) or above

iOS 8 or above

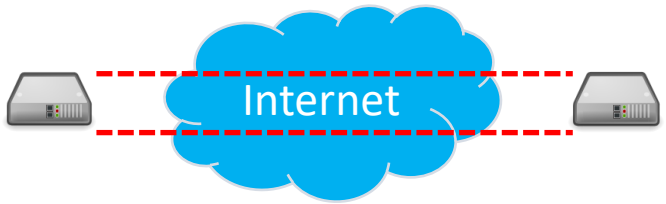
Windows 10 Home or above

Windows CE 6.0 or Windows Mobile 6.0 or above

Wi-Fi or 4G connection to the Barcode web server

What customers already have

Warehouse



Back office

Sage 300 and
I/C, O/E, P/O Lanpaks

Just add

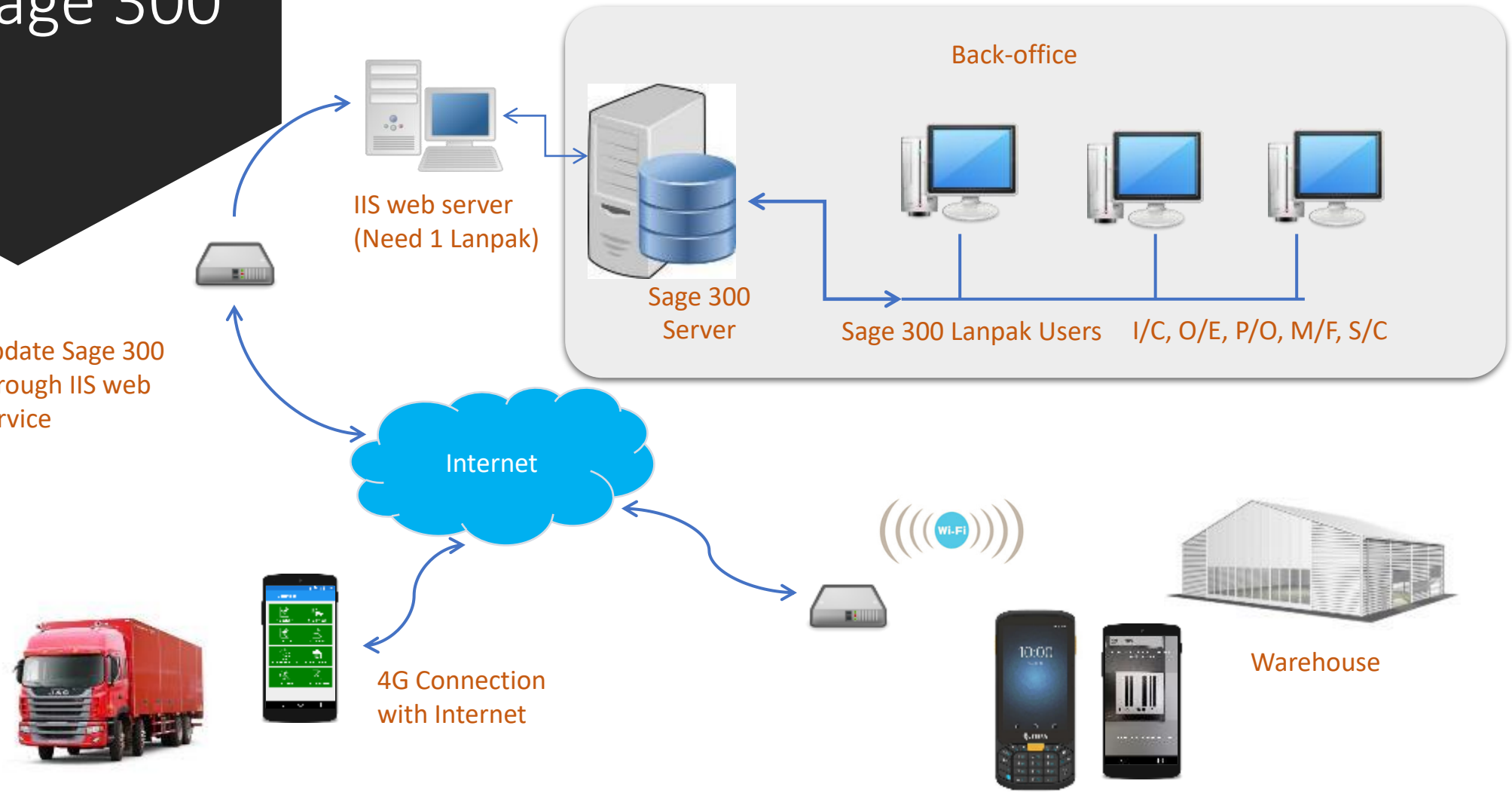
Automation Made Simple
AutoSimply

AutoSimply
Barcode

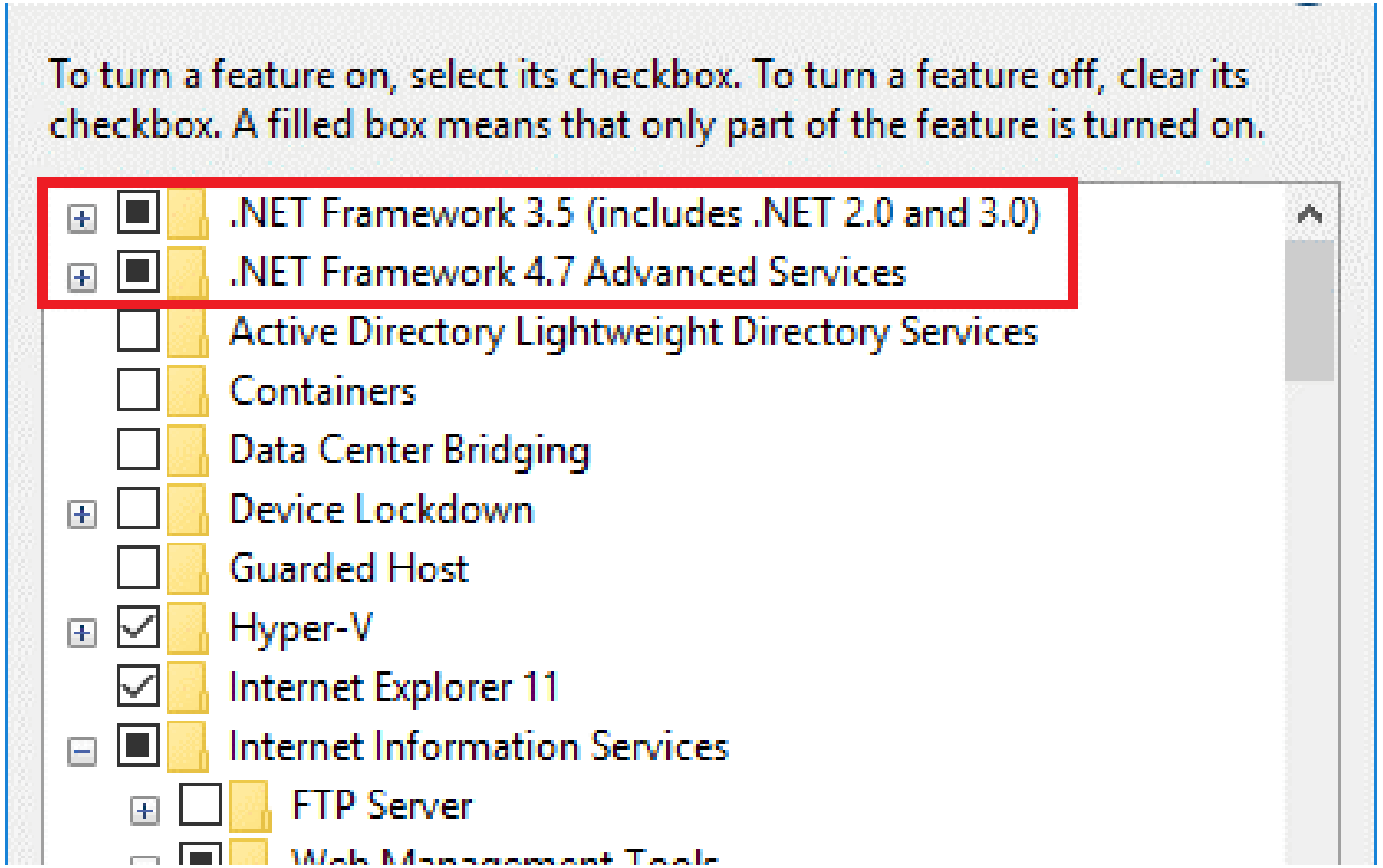
Barcode scanners

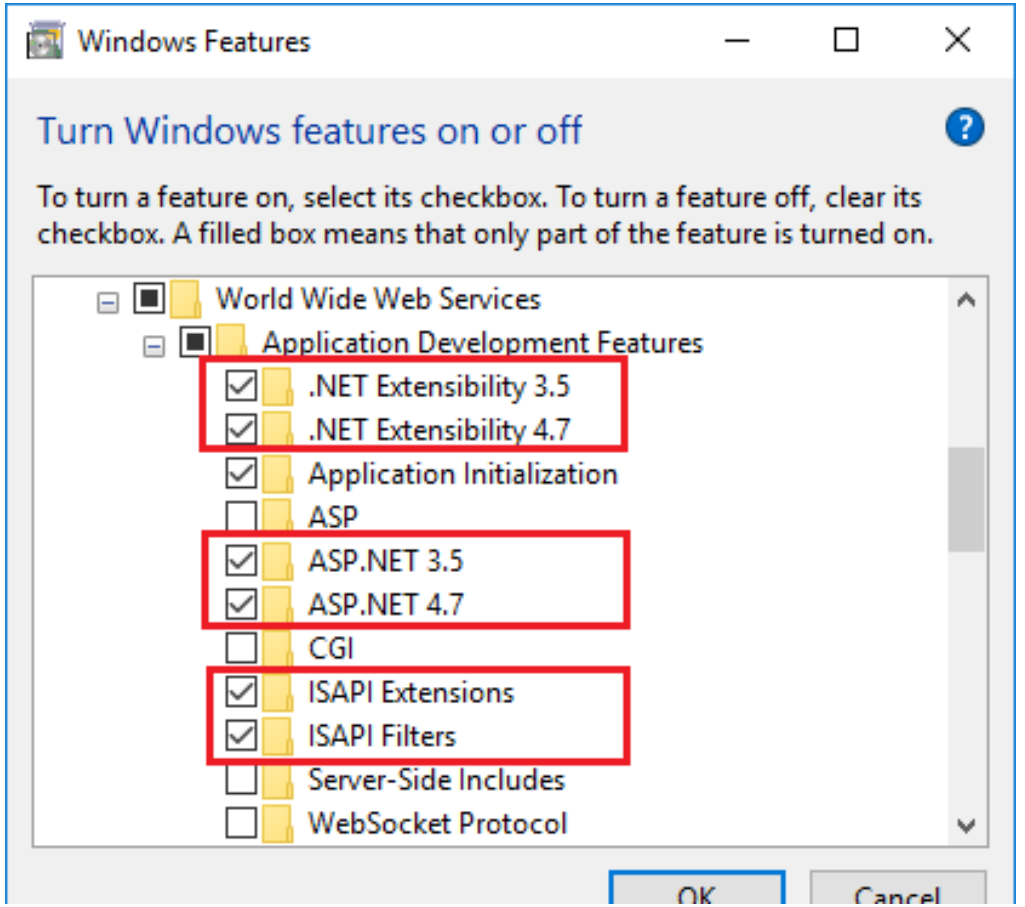
Barcode printing with Excel, Crystal Reports or
Barcode generation software

Integration with Sage 300



Installation – Web Server

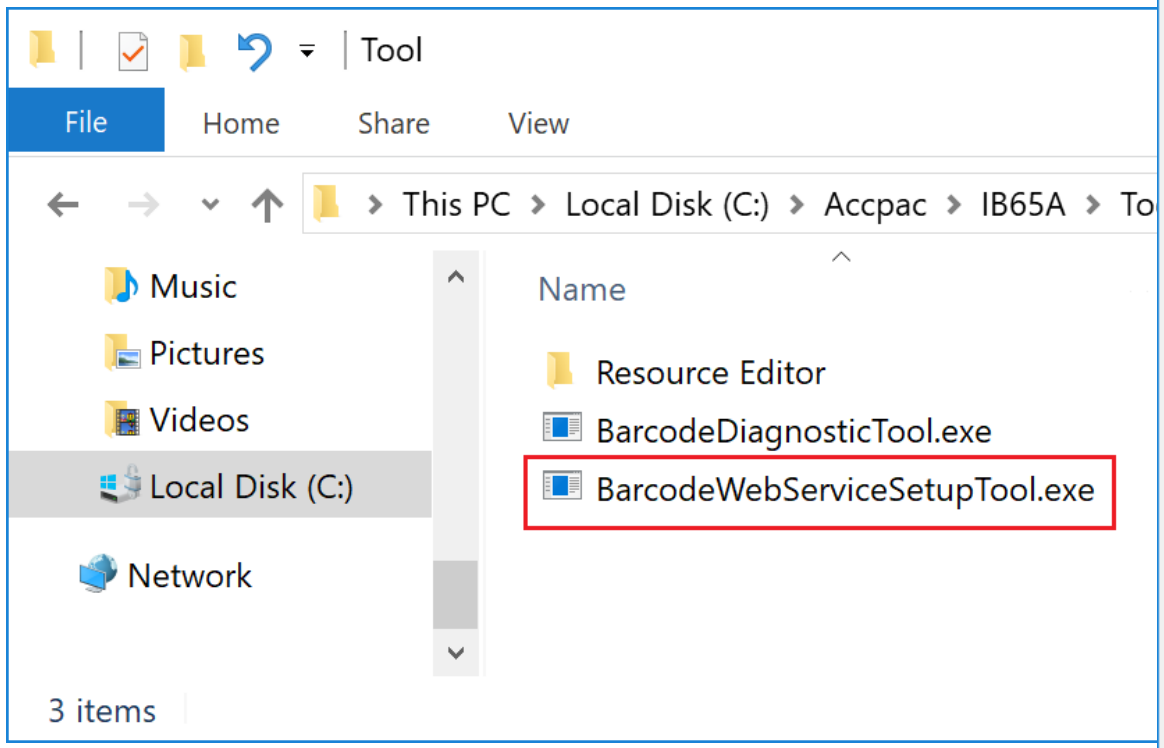


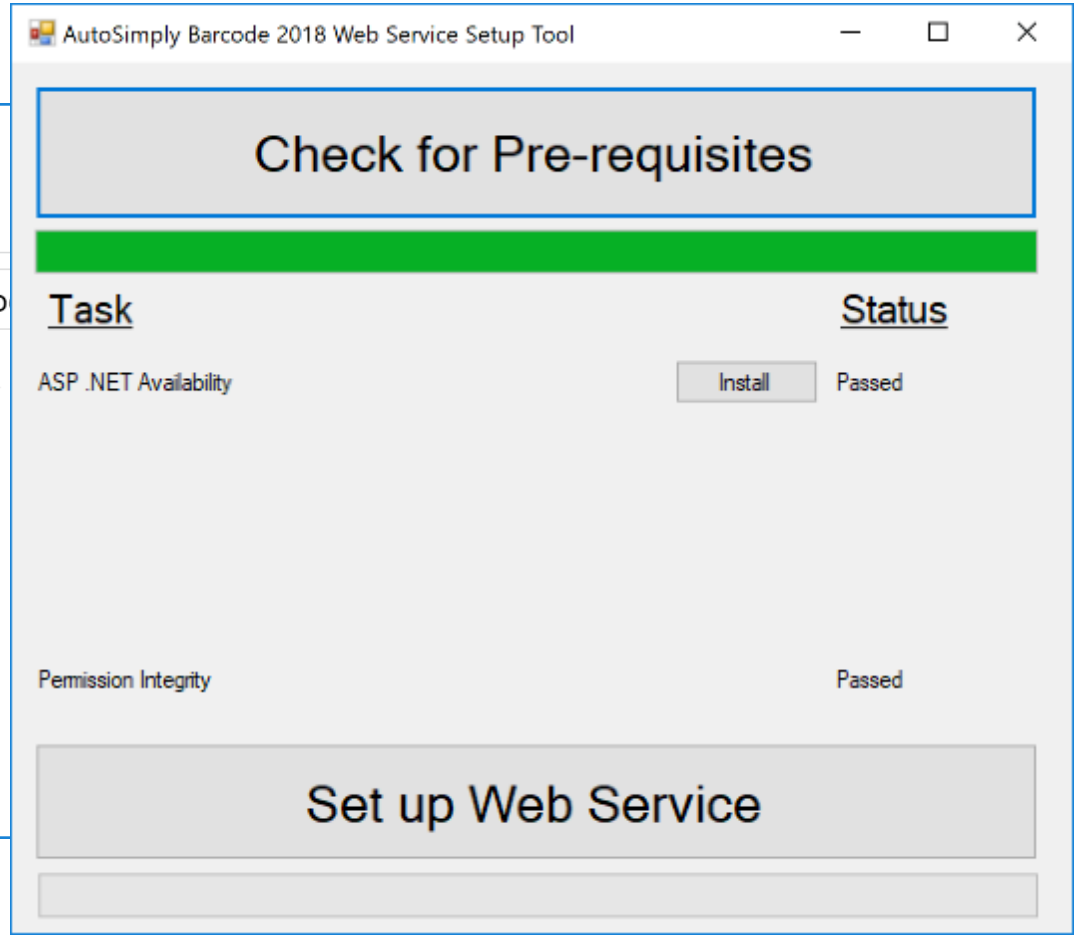


Installation – Web Server

Download	Download Barcode installation from autosimply.com
Run	Run installation
Activate	Activate Inventory Barcode on Sage 300 company

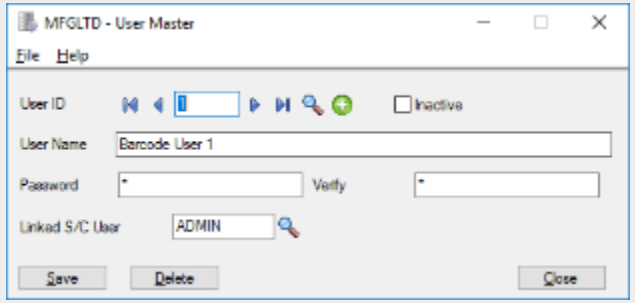
Installation – Web server



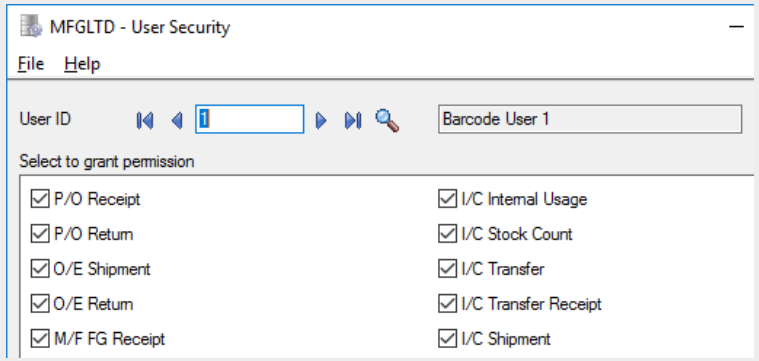


Set up in 3 simple steps

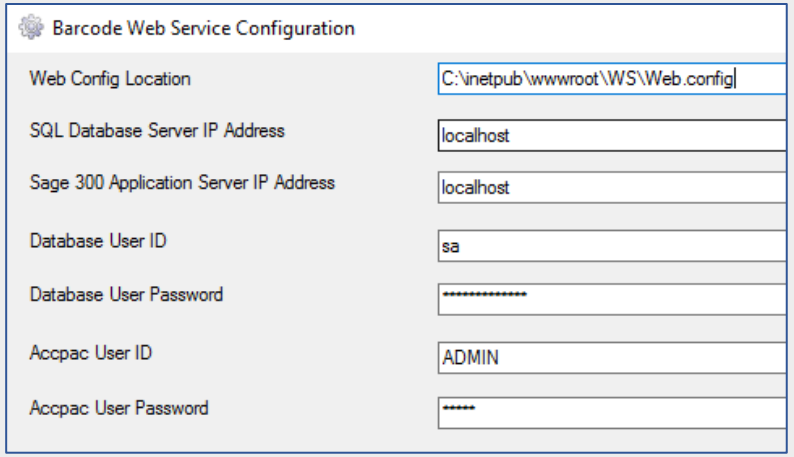
1 Set up users



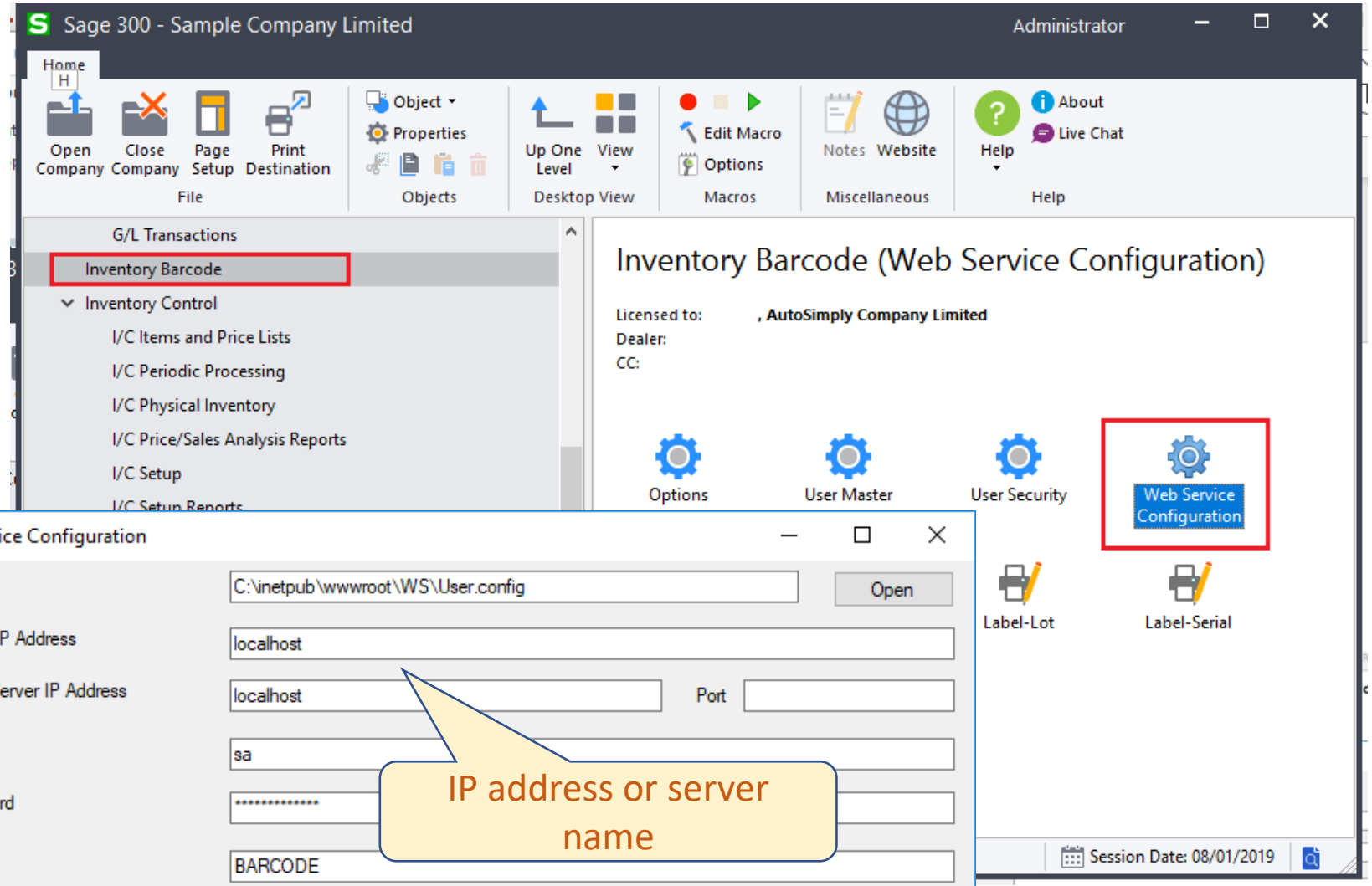
2 Set up user security

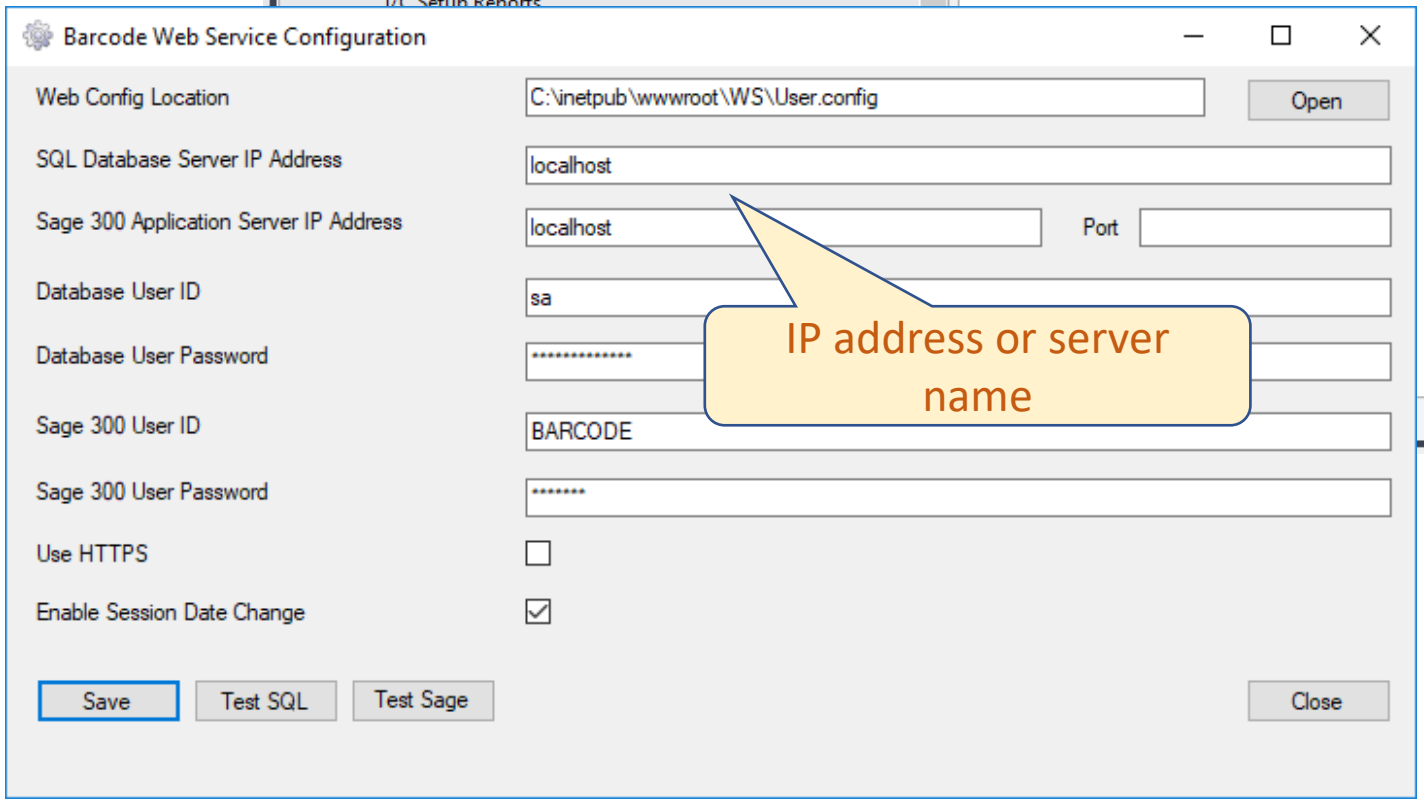


3 Web Service Configuration



Web Service Configuration





Web Service Configuration

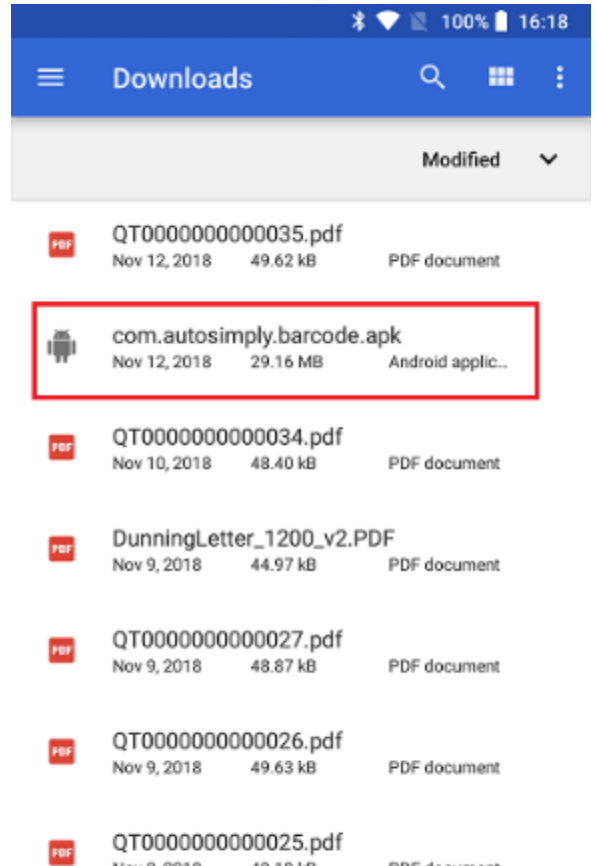
- SQL Database Server
  - Include instance name if set up as an instance
  - E.g. DB1\SQLEXPRESS
- Sage 300 Server and port
  - Actually it should be the web server name, just leave it as localhost
  - Port is the port number of web service
    - Leave it empty for standard configuration
  - Only used by Barcode Login

Phones / tablets

AutoSimply Barcode 2020

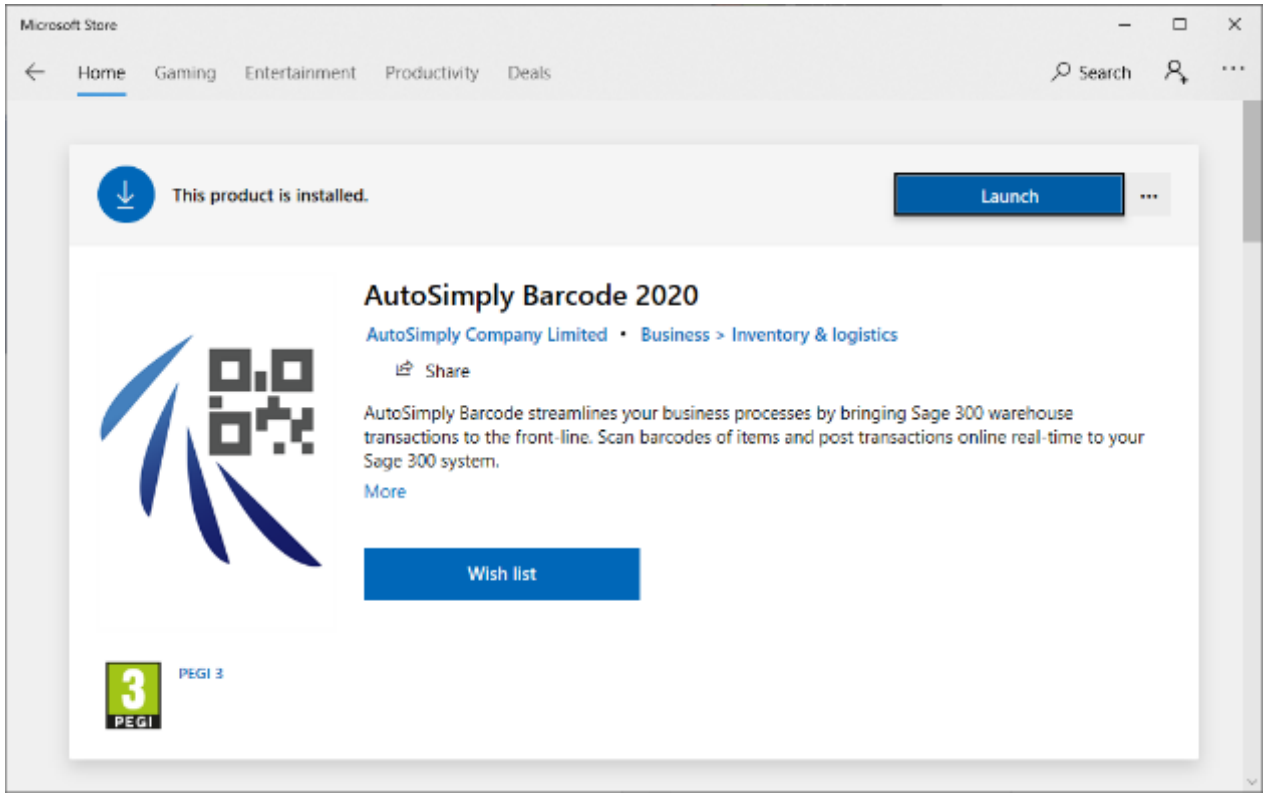
Android devices without Google Play

1. Download AutoSimply Barcode APK from autosimply.com
2. Copy the APK file to Download folder on device
3. Run Downloads or Files (or equivalent) on device
4. Find APK file, select to install



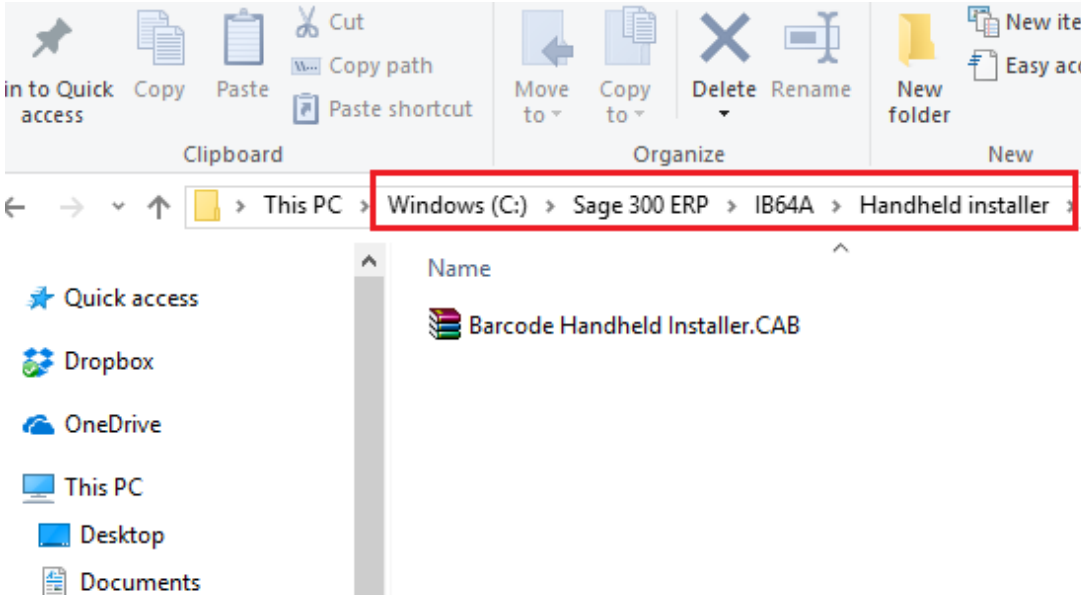
Windows 10

Get it from Microsoft



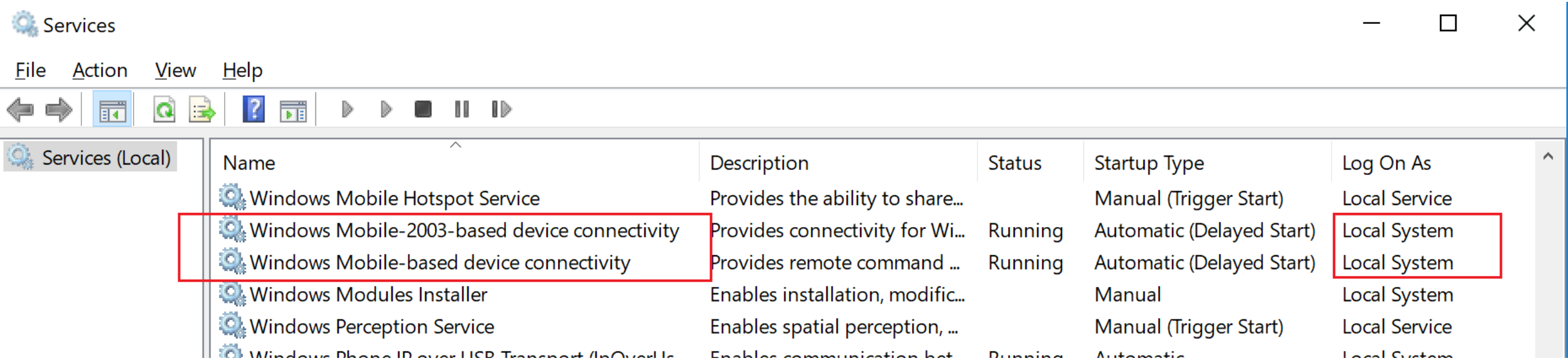
Windows CE / Mobile

1. Locate IB67A\Handheld folder in Sage 300 programs folder
2. Use ActiveSync to transfer Barcode Handheld Installer.CAB onto the mobile device
3. On the handheld
   i. Run File Explorer and locate CAB file
   ii. Run Barcode Handheld Installer.CAB to install



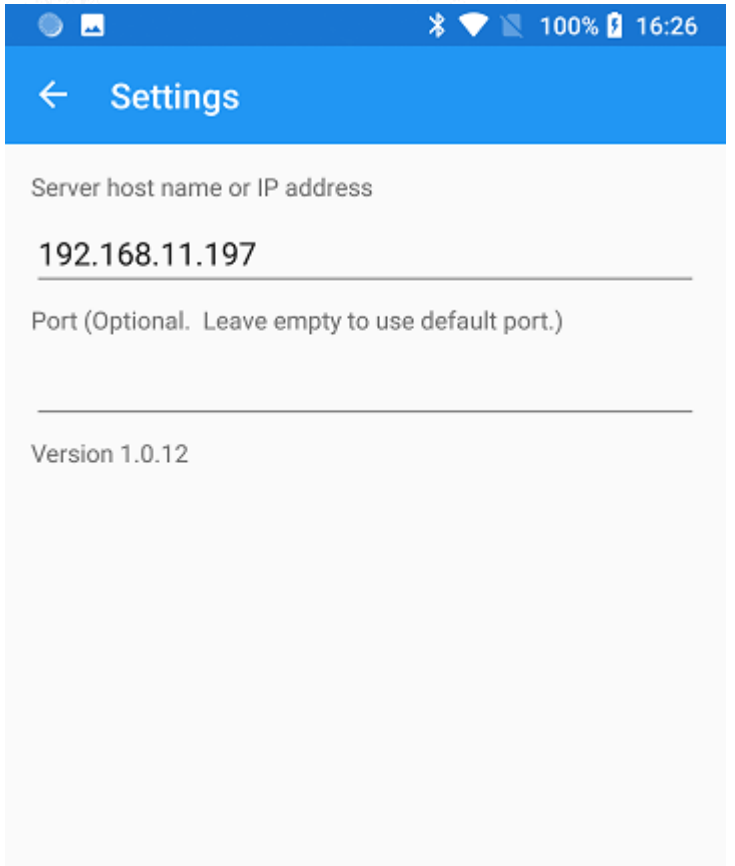
Windows CE / Mobile

ActiveSync on Windows 10



Setting up handheld devices

- Server IP address or name
- Port
  - Leave it empty unless
    - IIS is configured to listen on non-default port
    - Connection goes through specific port of firewall with port forwarding to web server
  - Uses default ports if left empty
    - HTTP – 80
    - HTTPS - 443



Additional requirements – GS1

- Scanner must support GS1 barcodes

Symbology Decode Capability	
1D	UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, ISBT Concatenation, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, GS1 DataBar variants
2D	PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, GS1 Data Matrix, Maxicode, QR Code, GS1 QR Code, MicroQR, Aztec, Han Xin
Postal	US Postnet, US Planet, UK Postal, Japan Postal, Australia Post, Royal Mail 4 State Customer, KIX Code (Dutch), UPU 4 State Postal FICS (Post US4), USPS 4 State Postal (Post US3), Mailmark

Additional requirements – GS1 and HIBC

Scanner configuration

- Enable AIM Code ID
  - Scanner sends special codes to identify barcode type

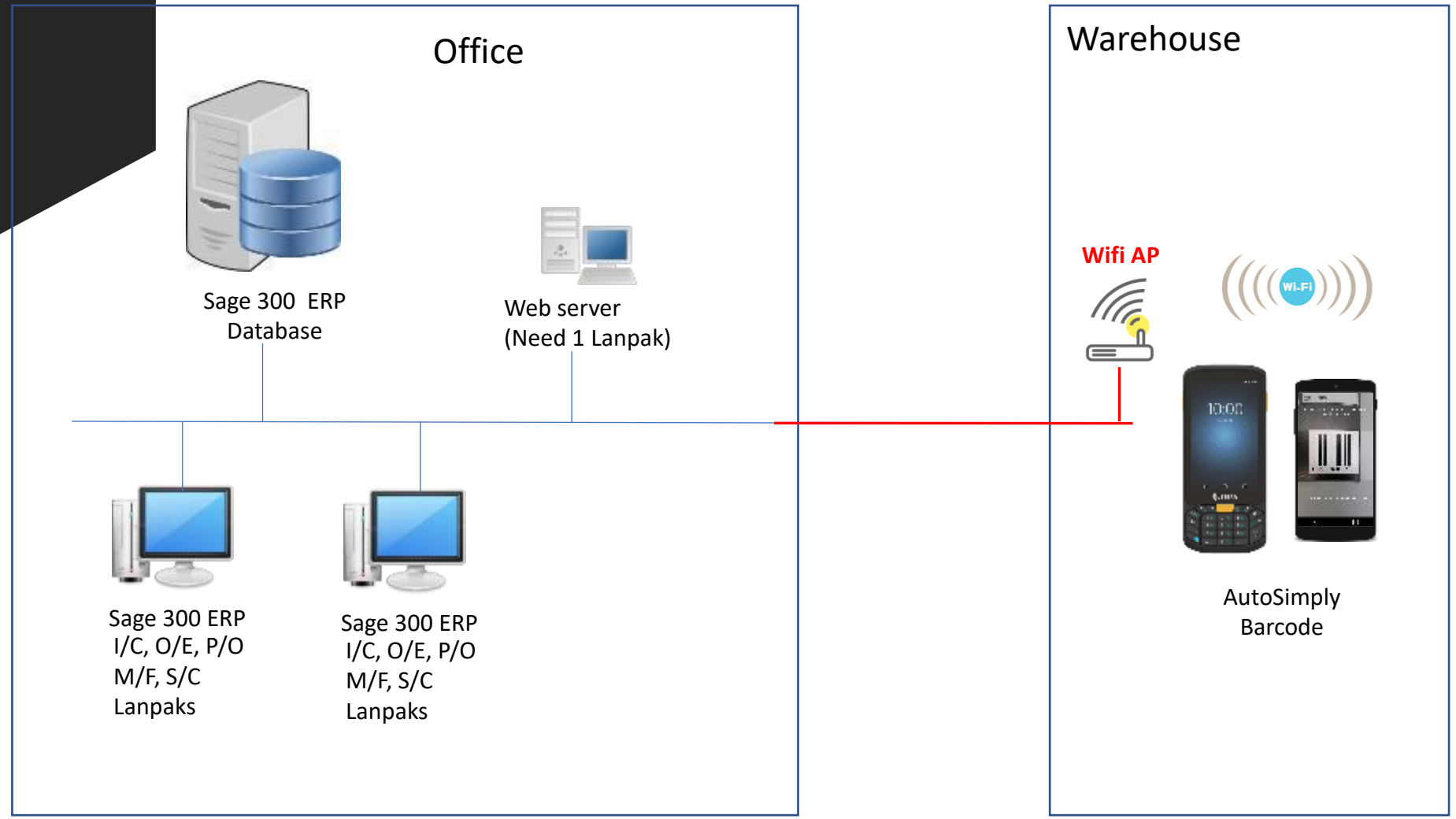
Set up Manufacturers' Item Numbers

- GS1
  - GS1 product numbers must be 14-digit Global Trade Identification Number (GTIN)
  - Map GTINs to I/C item numbers
- HIBC
  - Product ID should be set up as manufacturers' item number

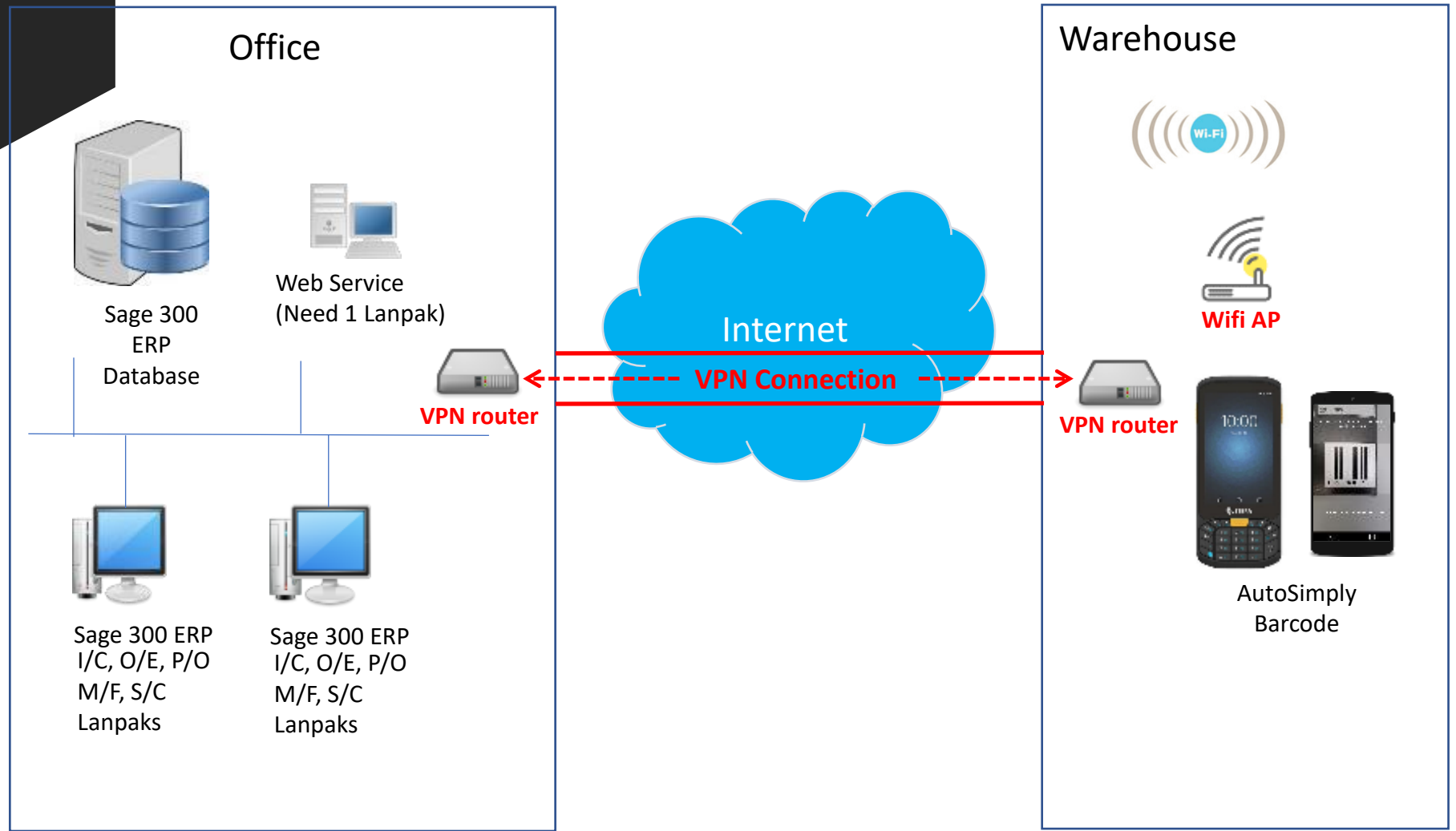
Network implementation scenarios

- Case 1
  - Warehouse has direct network connection to back office
  - Located in same office space
- Case 2
  - Warehouse needs internet connection to back office
  - Some devices are used outside of warehouse with 4G connection

Case 1


Office
Sage 300 ERP
Database
Web server
(Need 1 Lanpak)
Sage 300 ERP
I/C, O/E, P/O
M/F, S/C
Lanpaks
Sage 300 ERP
I/C, O/E, P/O
M/F, S/C
Lanpaks
Warehouse
Wifi AP
Wi-Fi
AutoSimply
Barcode

Case 2


Office
Sage 300
ERP
Database
Web Service
(Need 1 Lanpak)
VPN router
Sage 300 ERP
I/C, O/E, P/O
M/F, S/C
Lanpaks
Sage 300 ERP
I/C, O/E, P/O
M/F, S/C
Lanpaks
Internet
VPN Connection
Warehouse
Wi-Fi
Wifi AP
VPN router
AutoSimply
Barcode

Case 2 – security options

Option 1

VPN between warehouse and back office

- Warehouse needs access to other back office servers
- Set up with VPN routers

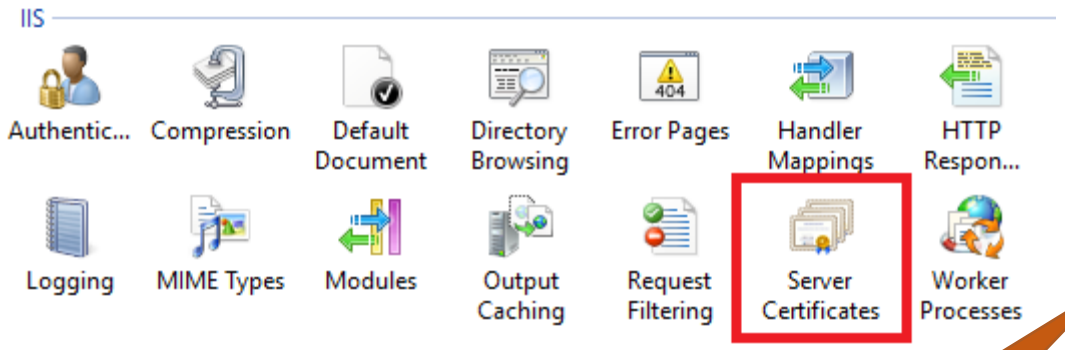
Option 2

Use HTTPS

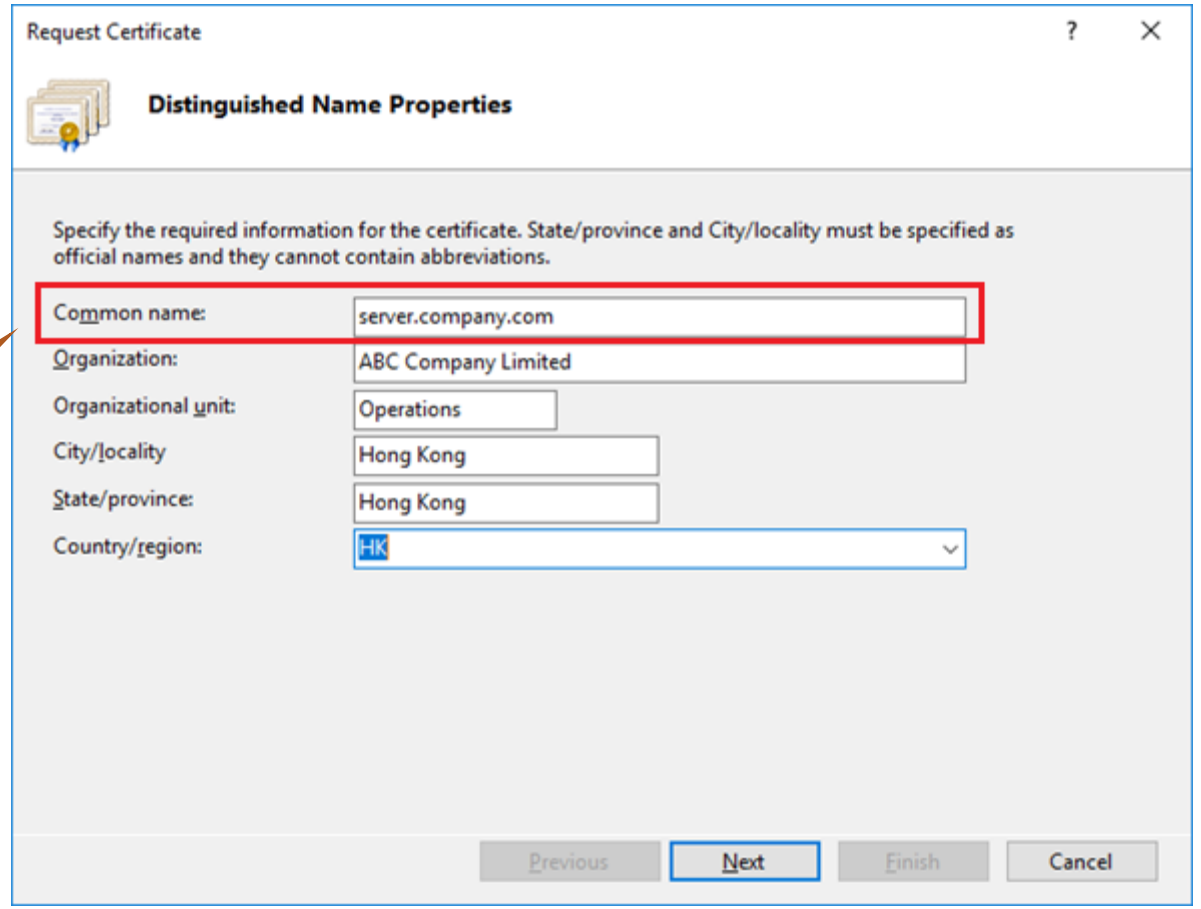
- Some devices are used outside with 4G connection

Enabling HTTPS

1. Create a Certificate Request in IIS



Common name must match fully qualified server name when accessed through internet

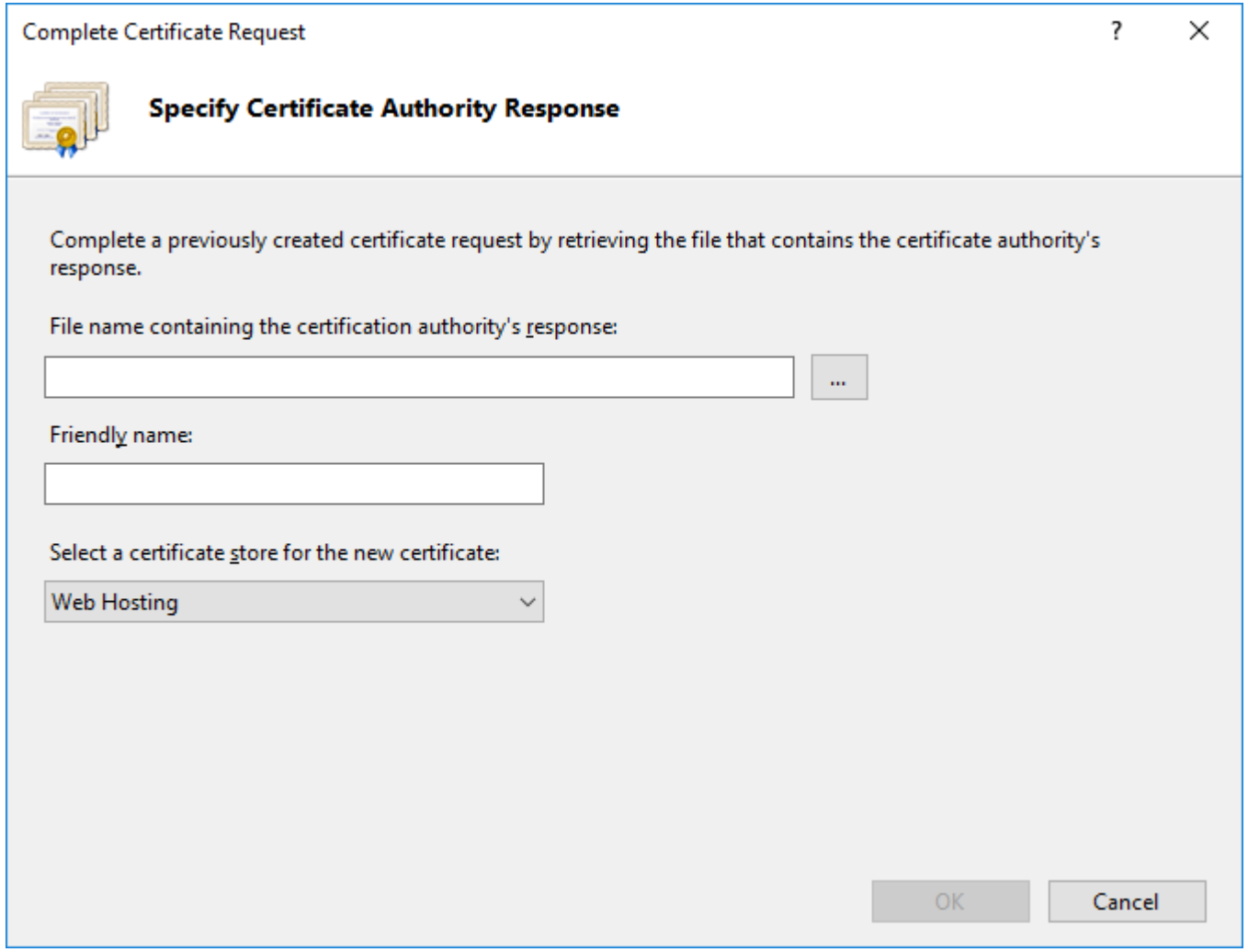


Enabling HTTPS

2. Purchase a server (SSL) certificate
   i. 3rd party certificate issuers, e.g. GoDaddy, Symantec, etc.
   ii. Submit Certificate Request file
   iii. Issuer will verify ownership of company domain
   iv. Download certificate file

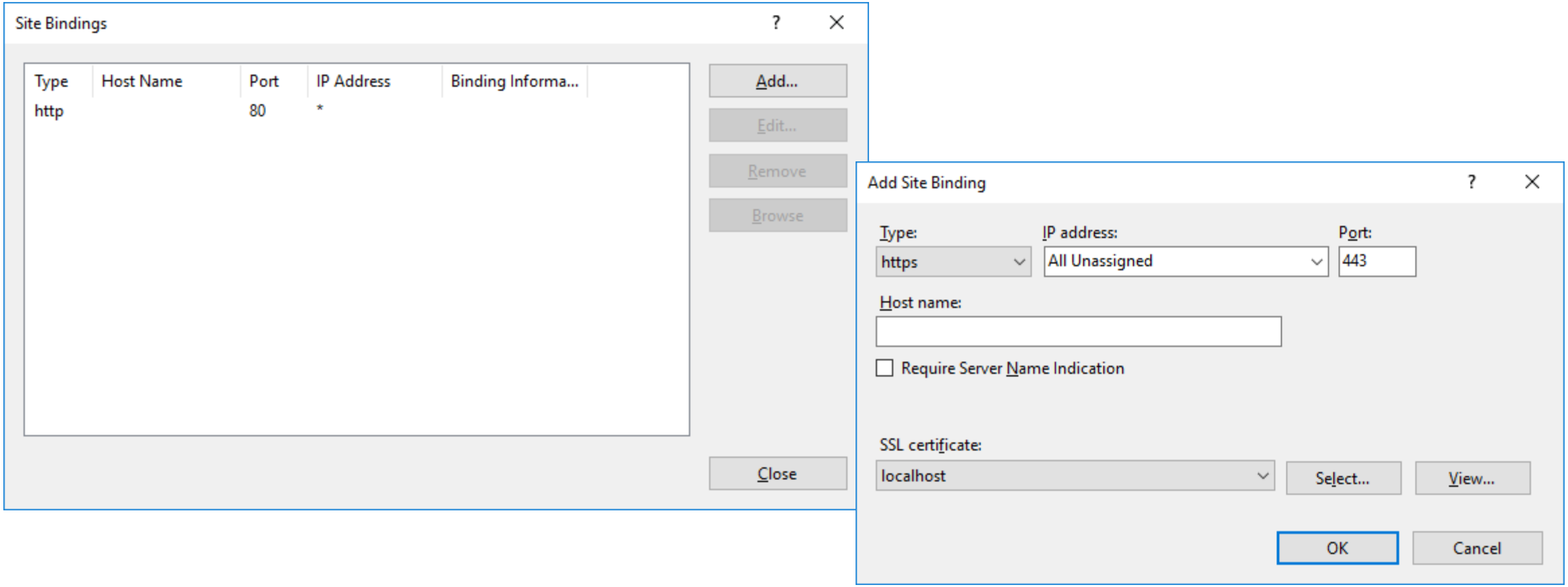
Enabling HTTPS

3. Install the certificate in IIS
   - Server Certificates
   - Complete Certificate Request



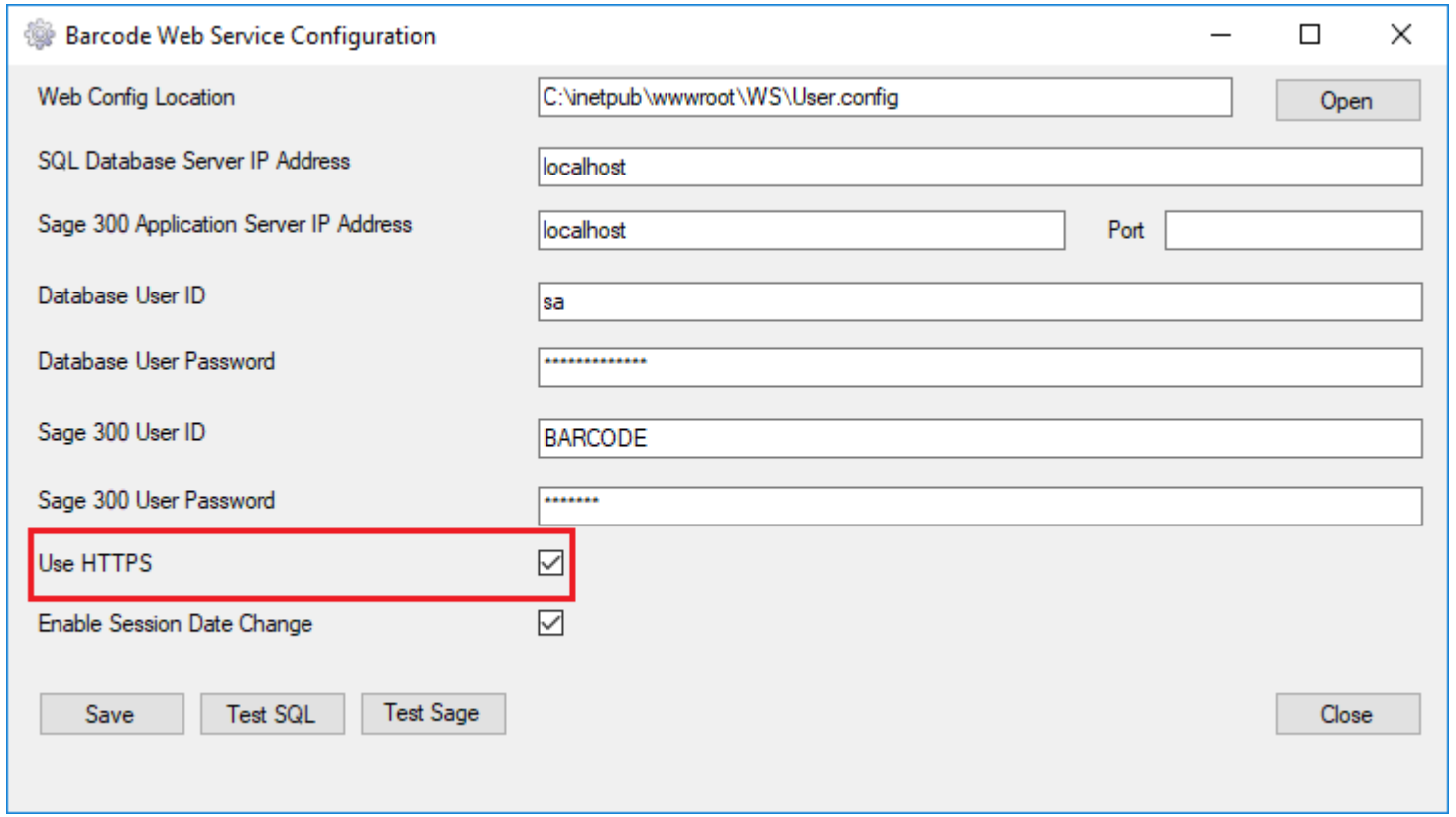
Enabling HTTPS

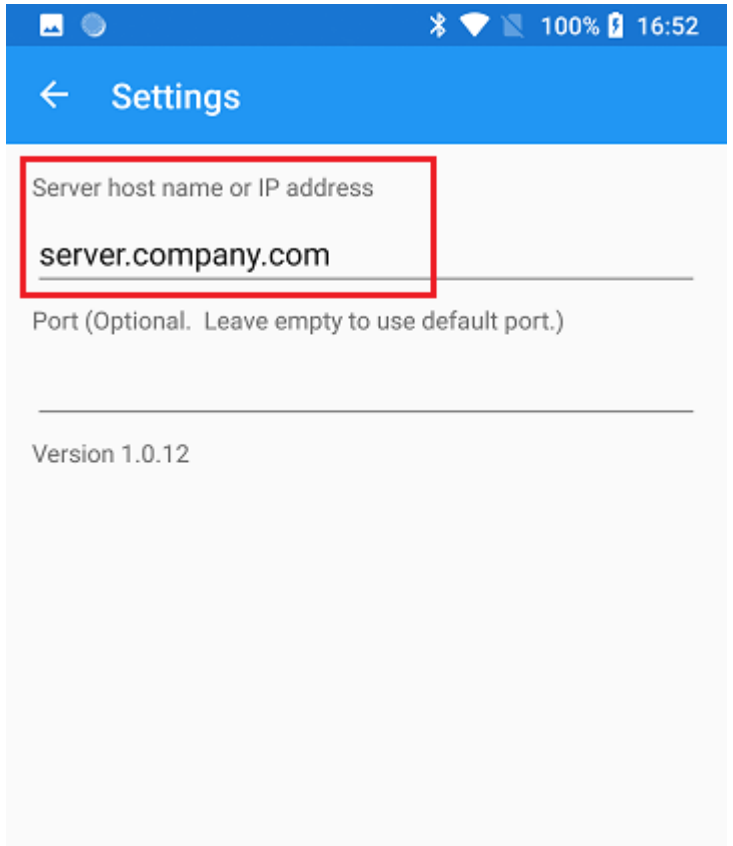
4. Enable HTTPS on the Default Web Site



Enabling HTTPS

5. Turn on “Use HTTPS” in Web Service Configuration



Enabling HTTPS

6. All handhelds connecting with HTTPS must use the fully qualified server name of Barcode web server