TCP/IP Packet

Access Point

Or

Cell Data

TCP/IP Packet

Business Func-tion/JSON rest API.

Android or iOS Client

Server: Listener running on Server or PC.

JD Edwards Data Base. SQL Server, DB2, Oracle.

Thermal Labels (TLA, Loftware, Bartender)

Peripherals: We connect native to these devices if Broadcast or Serial connection.

FreightSnap

Internet of Things: We connect to any IoT device.

3rd Party Apps

Client: The WcBc software uses sockets to connect the smart device to the server. Sockets are the fastest way to connect to any device to any other computer. The TCP/IP packets are sent back and forth between the smart device and the host server and is processed in real time. The smart device will display the transaction accepted message or the error message from the JD Edwards business function.

Client Application: The WcBc software on the client is a native Android and iOS application written in Xamarin. Because this is native to the device we can utilize Google and Apple API on the device. Some of these API are the following: Accelerometer, Barometer, Compass, Geocoding, Geolocation, Detect Shake, Flashlight, Gyroscope, Magnetometer, Maps, Orientation Sensor, Vibrate, Text to Speech, SMS Text.

Scanning: The WcBc software can use the internal camera to scan 1D Barcode, 2D Barcode, QR Barcode, OCR scanning. WcBc can utilize Bluetooth scanners for long range scanning.

Camera as Pictures: The WcBc software can take pictures of Scrap, Picking, Loading, Fixed Assets, etc.. during any transaction. This picture can be stored on the Google drive or any desired location.

Server Listener: The WcBc application is written in Microsoft Visual Studio 2019 C#.

SQL Server: Running Microsoft SQL 2016+. The WcBc software has a very small SQL footprint. WcBc does not have any duplicate data bases and only have data bases that are unique to the scripting of the transaction.

Listener: Executes JD Edwards BSFN and/or JSON using JD Edwards EnterpriseOne Tools Interoperability as a guideline.

Rest/Soap: WcBc can interface into other applications using Rest, Soap, Xml, or direct SQL Read/Insert/Update.

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