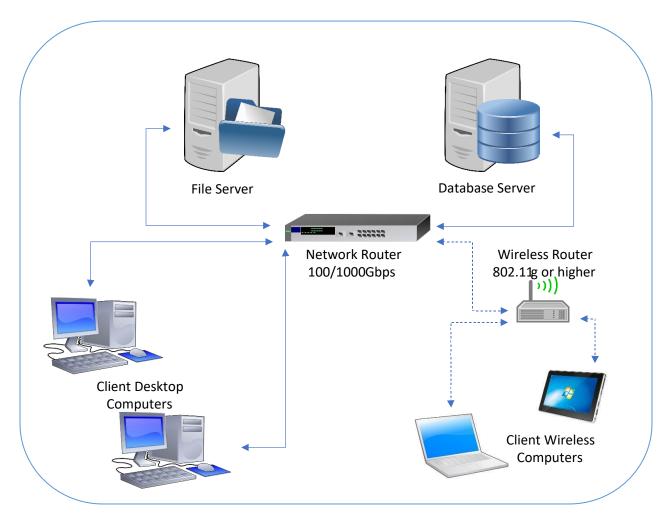# Porter Lee Applications

Minimum System Specifications

The specifications outlined in this document are minimum system specs and should only be used as a guide in planning your system architecture. Porter Lee recommends that each agency's IT staff work with Porter Lee to draft specifications based on the individual project scope.

Client-Server applications

File Server

Database Server

Network Router
100/1000Gbps

Wireless Router
802.11g or higher

Client Desktop
Computers

Client Wireless
Computers

Minimum Schematic Diagram
(Dotted lines indicate optional features)

The Crime Fighter BEAST

PORTER LEE
Corporation

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060

File Server	
OS	Windows Server 2019 or higher
CPU	Server Grade Quad Core Processor 2.5 Ghz or Higher
Ram	16 GB or Higher
Hard Drive	1 Gig of available hard drive space (Hard drive space will vary depending on configuration)
Display	1024x768 or higher resolution
Peripherals	Microsoft Windows compatible pointing device
Third Party Applications	• Adobe Acrobat Reader • 2013 Crystal Report Runtime dll's or higher depending on application

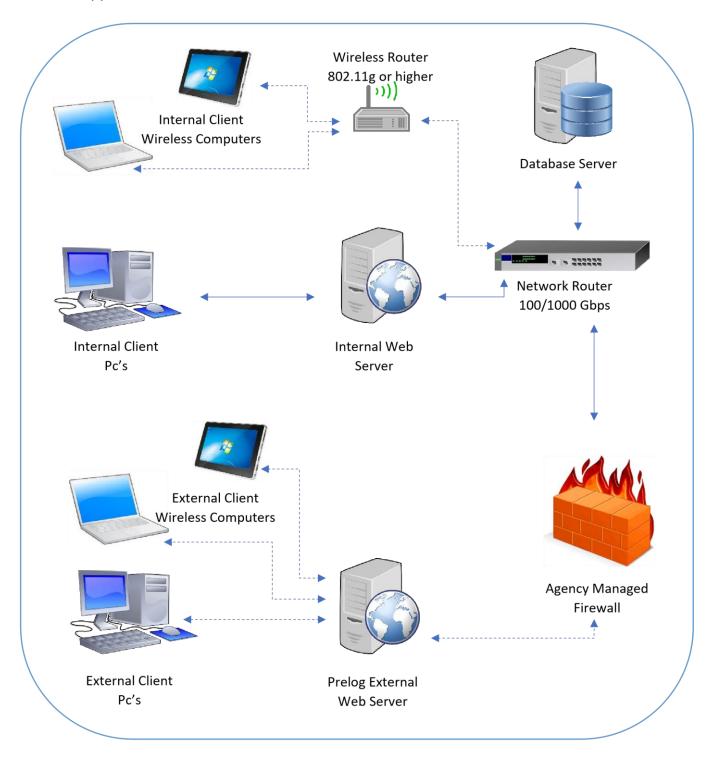| Database Server	
OS	Windows Server 2019 or higher
CPU	Server Grade Quad Core Processor 2.5 Ghz or Higher
Ram	16 GB or Higher
Hard Drive	1 Gig of available hard drive space (Hard drive space will vary depending on configuration)
Display	1024x768 or higher resolution
Peripherals	Microsoft Windows compatible pointing device
Third Party Applications	• Adobe Acrobat Reader DC • MS SQL Server 2016 or higher / Oracle 12C or 19C depending on application setup • Database backup managed by local IT (Tape Drive recommended)

Client Desktop PC / Client Wireless PC	
OS	Windows 10 Professional
CPU	2.0 Ghz dual-core or Higher
Ram	4 Gig or higher
Hard Drive	1 Gig of available hard drive space (Hard drive space will vary depending on configuration)
Display	1024x768 or higher resolution
Peripherals	• Microsoft Windows compatible pointing device • (2) USB Ports 2.0 or higher
Third Party Applications	• Adobe Acrobat Reader DC • Microsoft Office 2016 or higher (full desktop applications for Word and Excel)

PORTER LEE
Corporation

The Crime Fighter BEAST

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060

DOTNET applications

Wireless Router
802.11g or higher

Internal Client
Wireless Computers

Database Server

Internal Client
Pc's

Internal Web
Server

Network Router
100/1000 Gbps

External Client
Wireless Computers

Agency Managed
Firewall

External Client
Pc's

Prelog External
Web Server

Minimum Schematic Diagram

(Dotted lines indicate optional features)

The Crime Fighter BEAST

PORTER LEE
Corporation

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060

Internal / External / Report Web Server	
OS	Windows Server 2019 or higher
CPU	Server Grade Quad Core Processor 2.5 Ghz or Higher (1 multi core processor per 50 concurrent users)
Ram	16 GB or Higher (per 50 concurrent users)
Hard Drive	250 Gig of available hard drive space on OS Drive 250 Gig of available hard drive space on Data Drive (Hard drive space will vary depending on configuration)
Display	1024x768 or higher resolution
Peripherals	Microsoft Windows compatible pointing device
Third Party Applications	• IIS 10 or higher • ASP.NET framework 4.8 or higher • Windows Identity Foundation 3.5 • Adobe Acrobat Reader DC • 2013 Crystal Report Runtime dll's

Database Server	
OS	Windows Server 2019 or higher
CPU	Server Grade Quad Core Processor 2.5 Ghz or Higher
Ram	16 GB or Higher (per 25 concurrent users)
Hard Drive	250 Gig of available hard drive space on OS Drive 1 TB DAS or SAN (Hard drive space will vary depending on configuration)
Display	1024x768 or higher resolution
Peripherals	Microsoft Windows compatible pointing device
Third Party Applications	• MS SQL Server 2016 or higher / Oracle 12C or 19C depending on application setup • Database backup managed by local IT (Tape Drive recommended)

Internal / External Client PC's	
OS	Windows 10 Professional
CPU	2.0 Ghz dual-core or Higher
Ram	4 Gig or higher
Hard Drive	200 MB of available hard drive space
Display	1024x768 or higher resolution

The Crime Fighter BEAST

PORTER LEE
Corporation

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060

Peripherals	• Microsoft Windows compatible pointing device • Internal PC's Only ○ (2) USB Ports 2.0 or higher

Third Party Applications	• Adobe Acrobat Reader DC
	• HTML5 compatible browser (IE 11, Chrome, Edge)
	• Internal PC's Only
	    ○ MS Word 2016 or higher
	      (Full desktop installation required)

The following are additional recommendations for systems requiring high availability. Please consult with your PLC project manager / Client Account Manager for agency specific requirements.

Web High Availability

- Hardware load balancer
- Each web server sized to handle entire load (Best Case)

Database High Availability

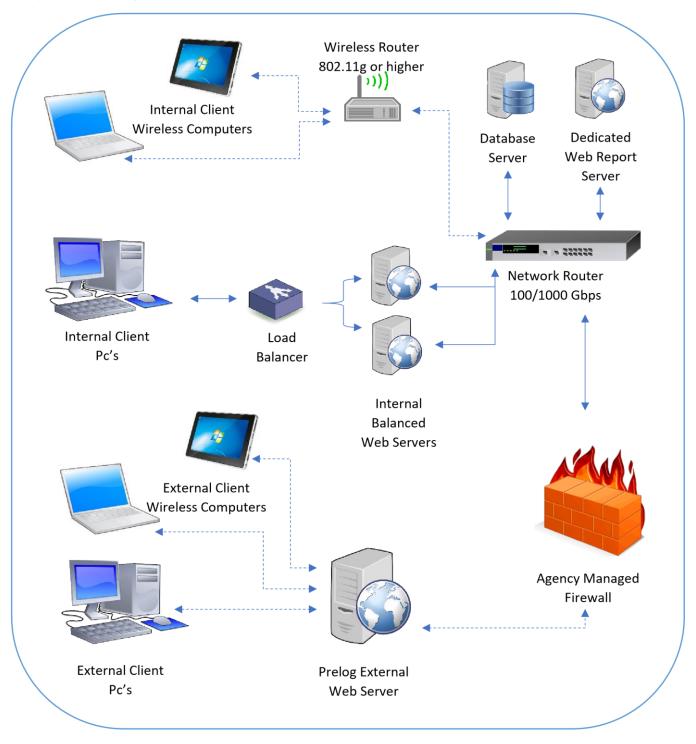- In House DBA IT Staff

Scalable Configuration

- Multiple Load balanced web servers
- Dedicated web report processing server, shared by the load balanced web servers
- Duplicate Production and Development/Training environments
- DNA and TOX modules require direct database connection from client to database server

The Crime Fighter BEAST

PORTER LEE Corporation

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060

Sample Scaled Configuration

Wireless Router
802.11g or higher

Internal Client
Wireless Computers

Database
Server

Dedicated
Web Report
Server

Internal Client
Pc's

Load
Balancer

Internal
Balanced
Web Servers

Network Router
100/1000 Gbps

External Client
Wireless Computers

Agency Managed
Firewall

External Client
Pc's

Prelog External
Web Server

Sample Scaled Schematic Diagram
(Dotted lines indicate optional features)

The Crime Fighter BEAST

PORTER LEE

Corporation

Integrated Evidence Tracking Systems for Police Departments and Crime Laboratories

1901 Wright Blvd. Schaumburg IL 60193   www.porterlee.com   (847) 985-2060