LabWatch® IoT EdgeConneX

IT Architecture and Applications

EdgeConneX by LabWatch® IoT

Connecting with LabWatch® Pro and Netpac I, Netpac II, or RF (OPC)

EdgeConneX Server
Physical, Virtual, or Appliance Used to run FCX EdgeConneX. EdgeConneX includes integrated secure edge solution that provides
- ❑ Secure Tunnel Software
- ❑ Store and Forward Data Collector,
- ❑ LabWatch Pro (OPC) Protocol Driver

SECURITY: Secure Area Behind Firewall

EdgeConneX Tunnel Attributes
- ❑ TCP PORT 443 OUTBOUND ONLY
- ❑ Point to Point Tunnel
- ❑ Trusted Certificates (Local and Cloud)
- ❑ TLS 1.2 256-bit Compliant Encryption
- ❑ Proprietary Encoded Messaging

LabWatch® IoT Visualization
- ❑ PORT 443 HTTPS
- ❑ 128-bit Encryption and Compression
- ❑ SAML Token Exchange
- ❑ MD5 Password Authentication
- ❑ Restful Architecture

LabWatch® Pro

Proxy

Outbound Only
Secure HTTPs
(TCP Port 443)

Firewall

LabWatch® IoT

Proxy Questions?
- ❑ Do you have a Proxy Server?
- ❑ Do you block specific URLs?

SECURITY: Secure Area Behind Firewall

Firewall Questions?
- ❑ Open 443 Outbound?
- ❑ 443 with URL whitelisted?
- ❑ 443 with Static IP address whitelisted?

SECURITY: Secure Area Behind Firewall

Virtual or Server System Requirements
- ❑ 4 GB of RAM
- ❑ 5 GB of Space (for Store and Forward Buffer)
- ❑ Operating System: Windows 2008, Windows 2012, Windows XP, Windows 7 or Higher (32 or 64 bits) with latest patch updates
- ❑ .net Framework 4 installed

EdgeConneX by LabWatch® IoT

Connecting to LabWatch® Pro (Historian Server to Server)

EdgeConneX Server

Physical, Virtual, or Appliance Used to run FCX EdgeConneX. EdgeConneX includes integrated secure edge solution that provides

- ❑ Secure Tunnel Software
- ❑ Store and Forward Data Collector,
- ❑ LabWatch Pro (Server to Server) Protocol Driver

SECURITY: Secure Area Behind Firewall

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LabWatch® IoT Visualization

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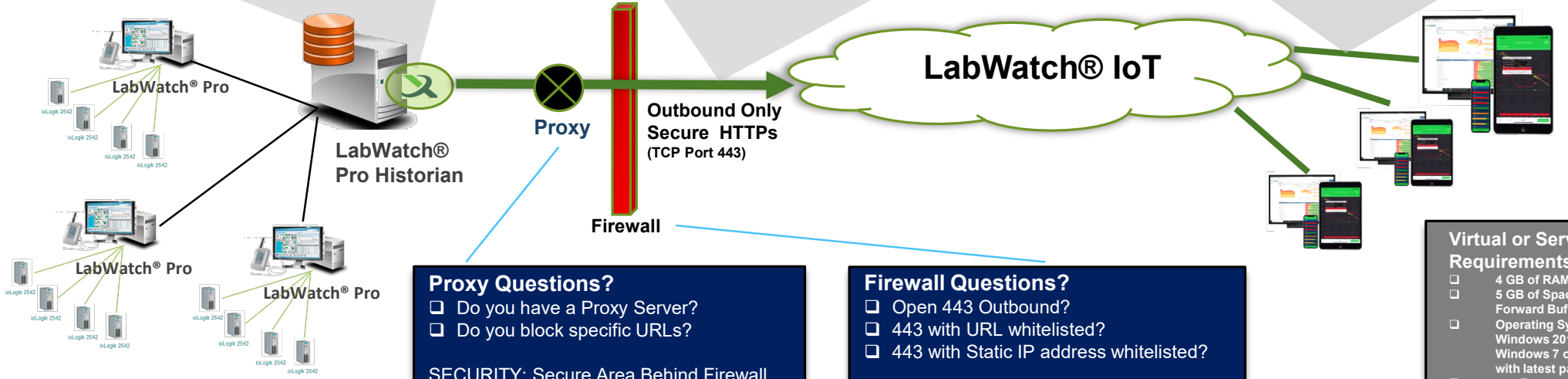

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EdgeConneX by LabWatch® IoT

Connecting to Direct Netpac II or RF (OPC)

EdgeConneX Server

Physical, Virtual, or Appliance Used to run FCX EdgeConneX. EdgeConneX includes integrated secure edge solution that provides

- ❑ Secure Tunnel Software
- ❑ Store and Forward Data Collector,
- ❑ MX-AOPC-UA Protocol Driver

SECURITY: Secure Area Behind Firewall

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LabWatch® IoT Visualization

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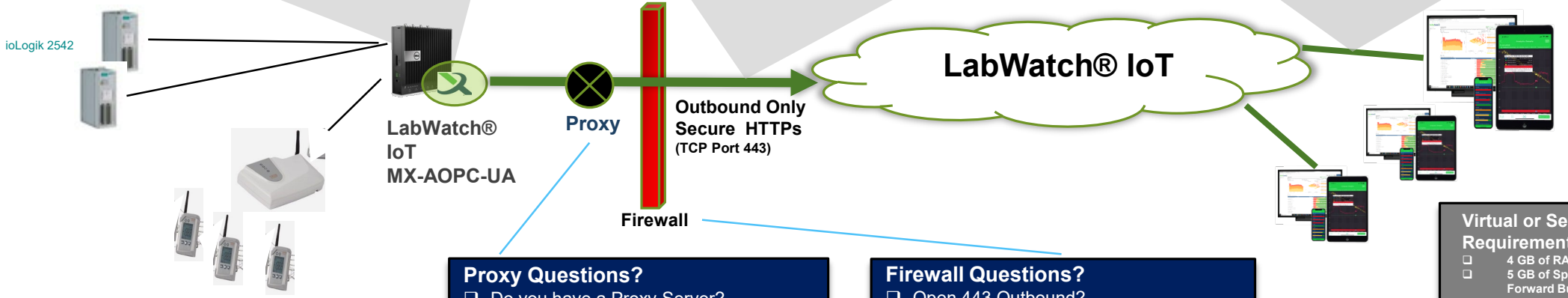

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