



QUALYS SECURITY CONFERENCE 2020

Industry Control Systems Making ICS/OT a Part of Overall Vulnerability Management Program

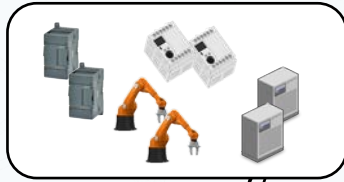
Dharmesh Ghelani

Principal Product Manager, Qualys, Inc.

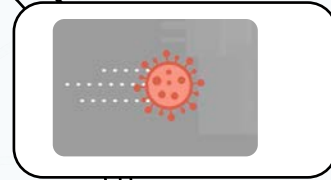
Industrial Control Systems

Are becoming internet-aware

1. ICS SYSTEMS



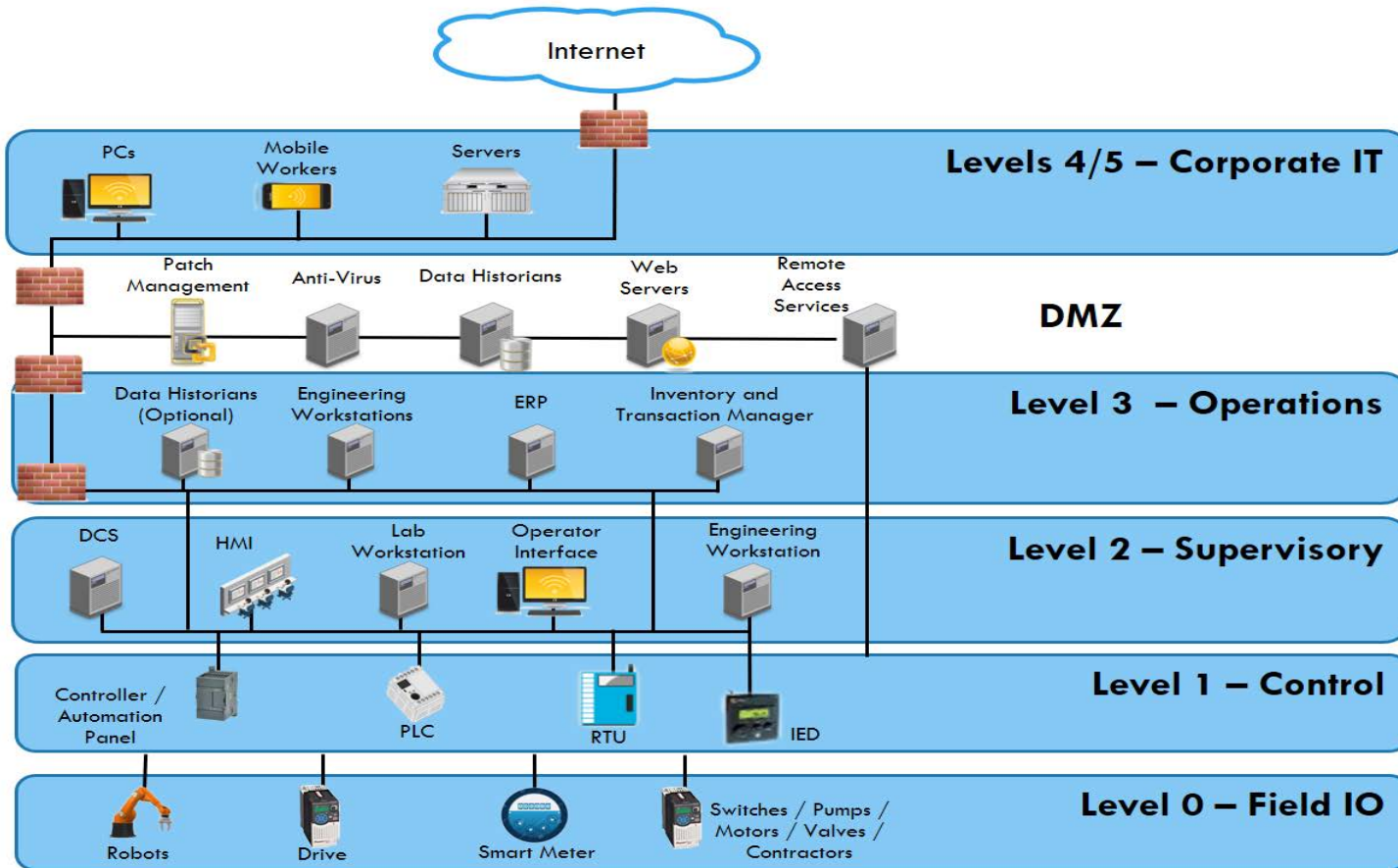
2. ARE GETTING TARGETED



3. ATTACKS CAN BE PREVENTED



Typical Industrial Control Networks



Qualys Industrial Control Security v1.0

Use cases



Visibility

- Inventory
- Network Topology



Vulnerability Management

Technology



Passive Sensor

- ✓ Mirror Port
- ✓ 100% Passive



Qualys Scanner

- ✓ Safe Active Probes
- ✓ ICS Scan Types
- ✓ Granular Controls



Cloud Agent

- ✓ SCADA Servers / ERP Systems / HMI Servers
- ✓ All Industrial PCs



Vulnerability Signatures





Demo

High Level Roadmap

Design Partnership
Q1 '20

V 1.0 Beta

ICS V 1.0

v1.0 Protocols...

➤ Most Prevalent

- S7 Comm / Plus
- Profinet
- Ethernet IP
- BACnet
- Modbus TCP
- OPC Suite
- DNP3
- MSS / GOOSE
- IEC 104
- CC Link IE
- MQTT
- Omron Fins
- EtherCAT
- Nigara Fox
- Ethernet Powerlink

➤ Design Partnership

- *MelsecNet*
- *PCCC*
- ...

➤ IT Protocols

- CDP
- LLDP
- TFTP / FTP
- HTTP / HTTPS
- Telnet
- SMB/CIFS

v1.0 Major Vendors...

➤ Most Prevalent

- Siemens
- Rockwell Automation
- Schneider Electric
- ABB
- GE
- Kuka
- Johnson Control

➤ Design Partnership

- *Mitsubishi Electric*
- ...

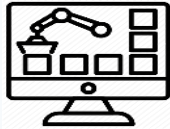
Qualys Industrial Control Security Roadmap



Compliance



Threat Detection



Process Integrity



Zones & Conduits Access Controls



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Thank You

Dharmesh Ghelani
dghelani@qualys.com