

Industrial Control System and IT Protocols Support

As of December 2018



Industrial Control System Expertise

Claroty's team of analysts and researchers are unmatched for their industrial automation and cybersecurity expertise. They continuously track emerging ICS-specific cyberthreats and adversaries around the globe, as well as reverse-engineer known ICS malware to understand and block hard-to-detect attack vectors.

Also, leveraging this team's deep understanding of OT-specific communication standards and industrial control systems, Claroty solutions have extremely broad coverage of common, and uncommon, protocols to ensure we see, map and monitor the communication patterns between the assets in your OT network.

Multispectral Data Collection

Leveraging multispectral data collection methods, we provide 100% visibility into OT assets and network communications. Claroty safely extracts fine-grained details about the assets, communications and the actual OT conversations for both serial and IP-based networks – all the way down to the I/O level.

This extreme visibility is achieved using a combination of the data collection capabilities including:

Passive – continuous, real-time monitoring of OT networks

- ABB Bailey
- ABB DMS system
- ABB HC800 (Infininet)
- ABB Spirit
- ABB Symphony Plus
- Alstom E-Terra
- BACNET
- NetBIOS Browser (UDP 138)
- Cisco Discovery Protocol (CDP)
- Control Technologies Inc. (CTI)
- Microsoft DCE RPC
- Microsoft DCE RPC - ABB DCS Service Manager
- Emerson DeltaV
- DACP
- DHCP
- DNP3
- Emerson Ovation
- Emerson ROC Plus
- ETHERNET/IP
- Foundation Fieldbus (FF)
- Foxboro LLC
- FTP – SEL
- Siemens FWL LOAD (firmware upload)
- GE-ALM
- GE Bentley Nevada (BNC3500)
- GE-EGD
- GE-EGD-CMP
- GE PAC8000 (AXE)

- GE QuickPanel (TRAPI+HTTP)
- GE SDI (MarkVie)
- GE SDI Classic (MarkVie)
- GE SRTP
- HART-IP
- HiDiscovery – Hirschmann LLC
- Honeywell C200 – Ftebcip
- Honeywell Experion - CeeNTComm (C300, EHPM)
- Honeywell EpicMo (C300 management)
- Honeywell Firewall CF9
- HTTP
- HTTP-XML (specific schemes)
- IEC101
- IEC103
- IEC104
- Lantronix Serial GW
- LLLDP
- Mitsubishi Melsec
- MMS
- Modbus
- Modbus Modsoft
- Modbus Concept
- Modbus Eltec
- Modbus Execload
- Modbus Schneider
- NetBios Datagram Service
- Niagara Tridium (BMS)
- Microsoft NTLMSPP (Auth protocol)
- Omniflow Flow computer
- OPTO
- OPTO MMP
- OSISoft PI
- Siemens P2
- POP3
- ProConoS (TCP 20547)
- Profinet DCP
- Profinet I/O
- Microsoft RDP
- MQTT
- RCDP
- Redlion Crimson
- Rockwell CIP
- Rockwell PCCC
- S7Comm Plus
- S7Comm Plus
- Microsoft SAMR
- Microsoft CIFS (SMB)
- SNMP
- SSH
- Synchrophasor
- Telnet- DeltaV
- Telnet- Moxa
- Telnet- Omniflow
- Telnet - Hirschmann
- Telnet- SEL
- ABB Totalflow
- Triconex Tristation
- Triconex TSAA
- Yokogawa VNET (VHF)
- Yokogawa odeq
- Beckhoff AMS
- Kongsberg

Active – precise, periodic queries of OT assets

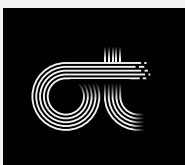
- BACnet
- Beckhoff
- CIP
- DNP3
- ENIP
- Hirschmann Discovery
- Modbus – Diagnostic Function
- MS Net Bios
- Net Bios
- Profinet – DCP
- Siprotec
- S7comm
- SNMP
- Telnet
- TCP Port Scan
- WMI
- App DB – targeted periodic enrichment of OT asset data**
- ABB – AC800M
- Honeywell – Experion
- Rockwell – MicroLogix
- Rockwell – Advance
- Rockwell – ICSTriplex
- Schneider – Modicon, Quantum
- Schneider Triconex – Tristation
- Siemens – Step7
- Yokogawa – CentumVP/CS3000
- Yokogawa – Prosafe

Broad Support for Industrial Control Systems and ICS / IT Protocols

Claroty has made a multi-million-dollar investment into the most extensive ICS lab in the industry, so that our researchers have hands-on access to the equipment and protocols in use in the real world.

Most industrial cybersecurity providers won't make this kind of investment, but we feel it is the only way to ensure our solutions deliver deep visibility and broad coverage.

** Support for additional systems and protocols is constantly being expanded. Please refer to our website: https://cdn2.hubspot.net/hubs/2553528/ProtocolDataSheet_web.pdf for the latest technical specifications



CLAROTY

Claroty was conceived to secure the safety and reliability of industrial control networks that run the world from cyber-attacks. The Claroty Platform is an integrated set of cyber security products that provides extreme visibility, unmatched cyber threat detection, secure remote access, and risk assessments for industrial control networks (ICS/OT).

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