

Tripwire Industrial Sentinel Supported Protocols

December 2020

Discover and inventory every asset within your industrial control network

Standard OT Protocols

- BACnet
- CC-Link (Field, FieldBasic, Control)
- DLMS/COSEM
- DNP3
- EtherCAT / EtherCAT Routable
- EtherNet/IP - CIP - PCCC
- Foundation Fieldbus HSE
- GOOSE
- HART
- IEC 60870-5-101
- IEC 60870-5-104
- MMS - ICCP TASE.2
- MMS - IEC61850
- Modbus ASCII
- **CentOS**
- Modbus RTU
- Modbus TCP
- MQTT
- OPC_CLASSIC (DCOM)
- OPC-UA
- PROFINET (RPC, RTC, RTA, DCP and PTCIP)
- RTPS
- SES_92
- SLMP
- SYNCHROPHASOR (IEEE C37.118)
- Sox
- UTMCI (based on SNMP)

Proprietary OT Systems/Protocols

- ABB_CNCP (ABB 800xA DCS)
- ABB_IAC_MMS (ABB 800xA DCS)
- ABB_NIS (ABB 800xA DCS)
- ABB_RNRP (ABB 800xA DCS)
- ABBDMS (ABB 800F / Freelance DCS)
- ABB Melody (ABB AC870P DCS)
- ADE (Phoenix Contact)
- AMS (Beckhoff)
- APC PowerChute (Schneider Electric)
- Atop Technologies gateways
- AUTOMATIONDIRECT_SYSTEM (AutomationDirect)
- BN_SYSTEM_1 (Bently Nevada System-1)
- BSAP / BSAP_IP (Bristol Babcock)
- BSAP_IP_TIMESYNC (Bristol Babcock)
- Centum ODEQ (Yokogawa Centum / ProSafe DCS)
- Centum CAMS (Yokogawa Centum / ProSafe DCS)
- Centum TREND (Yokogawa Centum /
- C-NET (Mitsubishi Wind Turbines)
- Citect (Schneider Electric)
- CMP-Link (Toyoda / Toyopuc / Jtekt)
- CodeSys (used by Wago, ABB, Schneider, and other vendors small PLCs)
- COGNEX_DISCOVERY (Cognex)
- COGNEX_MASTERSLAVE (Cognex)
- COMEX (Schneider Electric Foxboro)
- CP2179 (Cooper / PG&E)
- CSLib (ABB 800xA DCS)
- CSP - PCCC (Rockwell)
- CygNet SCADA (CygNet)
- DELTAV_IO (Emerson DeltaV DCS)
- DELTAV_MGMT (Emerson DeltaV DCS)
- DELTAV_UPGD (Emerson DeltaV DCS)
- DELTAV_WGP (Emerson DeltaV DCS)
- DEMATIC
- Desigo (Siemens)
- EATON_IPP (Eaton UPSes)
- Experion CDA, CDAPortMap, DSA, HMI, PointBuilder, SafetyManager, SRP, SrvDiscovery, SrvHeartbeat, SrvRDT (Honeywell Experion DCS)
- Experion PHD (Honeywell Experion Historian)
- FANUC C4 (Fanuc Robotics America)
- Fox (Honeywell Niagara / Tridium)
- Fox (Honeywell Niagara / Tridium)
- GE_EGD / GE_CMP (GE)
- GE_GSM (GE MarkVI and MarkVle)
- GE_SDB (GE Mark VI and MarkVle)
- GE_SDI (GE MarkVI and MarkVle)
- GE_WorkstationST_IntercomPeer (GE MarkVle)
- GE_iFIX_N2N (GE iFix)
- GE_iFIX_PDB_SYNC (GE iFix)
- GE_SGRP (GE PACSystem / Fanuc)
- GE_HISTORIAN_API (GE Proficy Historian)
- H1 / S5 (Siemens / Sinec)
- HONEYWELL_ICW (Honeywell InControlWare WCS)
- HONEYWELL_MERCURY
- ICONICS_GENBROKER
- ION (Schneider Electric, Siemens)
- ISaGRAF IXL (Yokogawa ProSafe & others)

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Proprietary OT Systems/Protocols

- Kongsberg NET_IO (Kongsberg K-Pos, K-Bridge DCS)
- Lantronix gateways
- LonTalk (LonWorks)
- MELSOFT (Mitsubishi Electric)
- MMS (ABB 800xA)
- Modbus/TCP Unity (Schneider Electric)
- Modbus/TCP Concept (Schneider Electric)
- Modbus/TCP Modicon (Schneider Electric)
- Modbus/TCP SoMachine Basic (Schneider Electric)
- Monarch (OSI)
- MSP (Mercury Security)
- Nexthink (Nexthink Analytics)
- NovaTech Orion
- OASyS, OASyS PubSub (Schneider Electric)
- OMRON_FINS
- OSISOFT_PI (OsisoftPI)
- Ovation IO, LOG, REM_IO, RT, ALARM_IO, CD, DB_XMIT, PE, PQ, PR, REDUND, SL, SOE, SYS_REG (Emerson Ovation DCS)
- PAKBUS (Campbell Scientific)
- PANASONIC_BOOTP (Panasonic)
- Philips HUE
- PN800 (ABB Harmony)
- PROSOFT_DISCOVERY (Prosoft Technology)
- PVSS (Siemens)
- QNAP_DISCOVERY (QNAP)
- Raymond iWarehouse
- ROC / ROC Plus (Emerson)
- SADP (Hikvision)
- SCHNEIDER_SYSAP (Schneider)
- SAIA_SBUS (Saia Burgess)
- SEL_FM (SEL)
- SEL_RTAC_ONLINE (SEL)
- SICK_DISCOVERY (Sick)
- S7COMM+/OMS+ (Siemens)
- SPlus, SPlusPortMap (ABB SymphonyPlus)
- Step7 (Siemens)
- Trend Controls IQ/IC
- TriStation (Schneider Electric / Invensys / Triconex)
- UCAZ_GOOSE
- UNI_TE (Schneider Uni-TE)
- URMS 2070
- VESTAS_FIRECREST, VESTAS_ROADRUNNER (Vestas Wind Turbines)
- Vnet/IP (Yokogawa)
- VNET_IP_WAN / VNET_IP_WAN_HEARTBEAT (Yokogawa)
- Wartsila NACOS Platinum
- Wonderware Historian (HICAL)
- Wonderware SuiteLink (WWWIOTALK)
- Wonderware System Platform (ARCHESTRA_NMXSVC)
- ZENON_NETSRV (COPA-DATA)

IT Protocols

- AFP
- BGP
- BJNP
- CAPWAP_CONTROL
- CAPWAP_DATA
- CCP (CheckPoint cluster protocol)
- CDP
- Cisco_Auto_RP
- Cisco_HSRP
- Cisco_SMI
- DCOM
- DHCP
- DNS
- DTP
- FTP
- FTPDATA
- GLBP
- HTTP
- IMAP
- ISAKMP
- Kerberos
- LDAP
- LDP
- LLDP
- MCAFEE_RELAY_SRV_DISCOVERY
- MDNP
- MS-SQL
- MySQL
- NetSupport
- NFS
- NTP
- NMF (.Net Messaging Framework)
- NRTIP
- NetBIOS
- OpenRDA
- Oracle TNS
- OSPF
- POP3
- PostgreSQL
- Radius
- RDP
- RFB/VNC
- RIP
- RTCP
- RTP
- RTSP
- SDDP
- Sentinel_LDK
- SLP / SRVLOC
- SMB
- SMTP
- SNMP
- SSDP / UPNP
- SSH
- SSL / TLS
- STP
- SunRPC
- Telnet
- TFTP
- Windows IOT protocols (Sirep_Broadcast, Sirep_WPCon, WIOT_DISCOVERY)

Active Queries

- Ethernet/IP
- Siemens Step 7
- SEL (Ethernet)
- SEL (RTAC)
- Windows (req. WMI/WinRM)
- HARDWARE
- BIOS
- VERSION
- SOFTWARE
- PATCHES
- OS fingerprinting
- Open ports/services
- Custom port scans

Additional protocols are continuously integrated. Ask for details.



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