

# ProtoCrawler Supported Protocols

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At CyTAL, we marry robust cryptographic standards with advanced testing capabilities through our flagship commercial fuzzing tool, ProtoCrawler. This one-pager spotlights how ProtoCrawler ensures protocol compliance and helps identify vulnerabilities across an ever-growing array of supported schemes. You'll see which protocols we currently cover, those on our roadmap, and how our team can also develop bespoke solutions for your unique needs. By bridging open standards with customisable support, CyTAL empowers you to safely and confidently innovate in the decentralised landscape.

## About Us

CyTAL has been operating for close to a decade in the cyber security space as a consultancy firm with specialised expertise in fuzz testing. ProtoCrawler was originally created to help deliver these services before becoming a stand alone software product 5 years ago. Both large and small business worldwide now use ProtoCrawler to find known and unknown vulnerabilities across a multitude of protocols.

The following protocols are in our library:

- NTP Client**
- NTP Server**
- RIPng Server**
- RIPv2 Server**
- LDP Server**
- ProtARpv4**
- Address Resolution Protocol**
- IPsec**
- DTLS**
- LwM2M**
- HDLC**
- COSEM**
- ZigBee ZCL 6**
- ZigBee**
- IEEE 802.15.4**
- DLMS Server**
- DNS Server**
- IKE v2 Responder**
- Modbus HDLC**
- Modbus over TCP**
- Modbus Server**
- OCPP-J 2.0.1**
- OCPP-J 2.0 Central System (Sec)**
- OCPP-J 2.0 Charge Point (Sec)**
- OCPP-J 1.6 Central System**
- NTP v4 Server**
- DHCP v6 Server**
- DHCP v4 Server**
- MQTT Server**
- MIFARE Reader**
- TLS 1.0 Server**
- Coming soon**
- TLS 1.0 Client**
- TLS 1.3 Server**
- TLS 1.3 Client**
- TLS 1.2 Client**
- TLS 1.2 Server**
- TLS 1.1 Server**
- NMEA 0183**
- TLS 1.1 Client**
- Open Charge Point Interface (OCPI)**
- OpenADR**
- Open Smart Charge Protocol (OSCP)**
- ISO 15118**
- OCPP-J 1.6 Charge Point**
- ISO14443**
- MIFARE Card**
- IEC 60870-5-104**
- Distributed Network Protocol 3 (DNP3)**
- IEC61850 Client/Server MMS**
- IEC61850 GOOSE**
- Modbus Client**
- DNS Client**
- Internet Protocol v6**
- Internet Protocol v4**
- DHCP v6 Client**
- DHCP v4 Client**
- Internet Control Message Protocol (ICMP)**
- IKE v2 Initiator**
- NTP v4 Client**
- MQTT Client**
- DLMS Client**
- GBCS 3.2 GSME**
- GBCS 3.2 ESME**
- GSME VER (CPA)**
- ESME VER (CPA)**
- CH Sim**
- ZigBee ZSE 1.4**
- ASN.1**
- IEC 60870-5-104**

The following protocols are in production or on the roadmap:

- ARP Client**
- ARP Server**
- BGP4 Client**
- BGP4 Server**
- DHCP Client**
- DHCPv4 Server**
- DNS Client**
- ICMPv4**
- ICMPv6**
- IEEE 1588 PTP Client**
- IEEE 1588 PTP Server**
- IGMP v1, v2, v3**
- IPv4**
- IPv6**
- ISIS**
- MPLS**
- NETCONF**
- OSPFv2**
- OSPFv3**
- PIM**
- UDP**
- PTP Server & Client**
- SFTP Server**
- Net Conf**
- SNMPv3**
- SSHv2 Server**
- TCP for IPv4 Client**
- TCP for IPv4 Server**
- TCP for IPv6 Client**
- TCP for IPv6 Server**
- VRRP v1, v2, v3**
- DHCP (Wifi)**
- ICMP (Wifi)**
- LWAPP (Wifi)**
- NAT (Wifi)**
- TLS (Wifi)**
- UDP (Wifi)**
- TCP (Wifi)**
- HTTPS (Wifi)**
- WPA2 (Wifi)**
- WAP3 (Wifi)**
- ARP (Wifi)**
- CAPWAP (Wifi)**

For more information about ProtoCrawler and our advanced fuzzing capabilities, or to learn how Cytal can support your unique protocol requirements, please get in touch. We look forward to helping you harness the full potential of cutting-edge technology and bespoke solutions to drive your organisation's success.

**Ellis Campbell**  
Global Sales Director  
  
+44 7816482888  
ellis.campbell@cytal.co.uk

