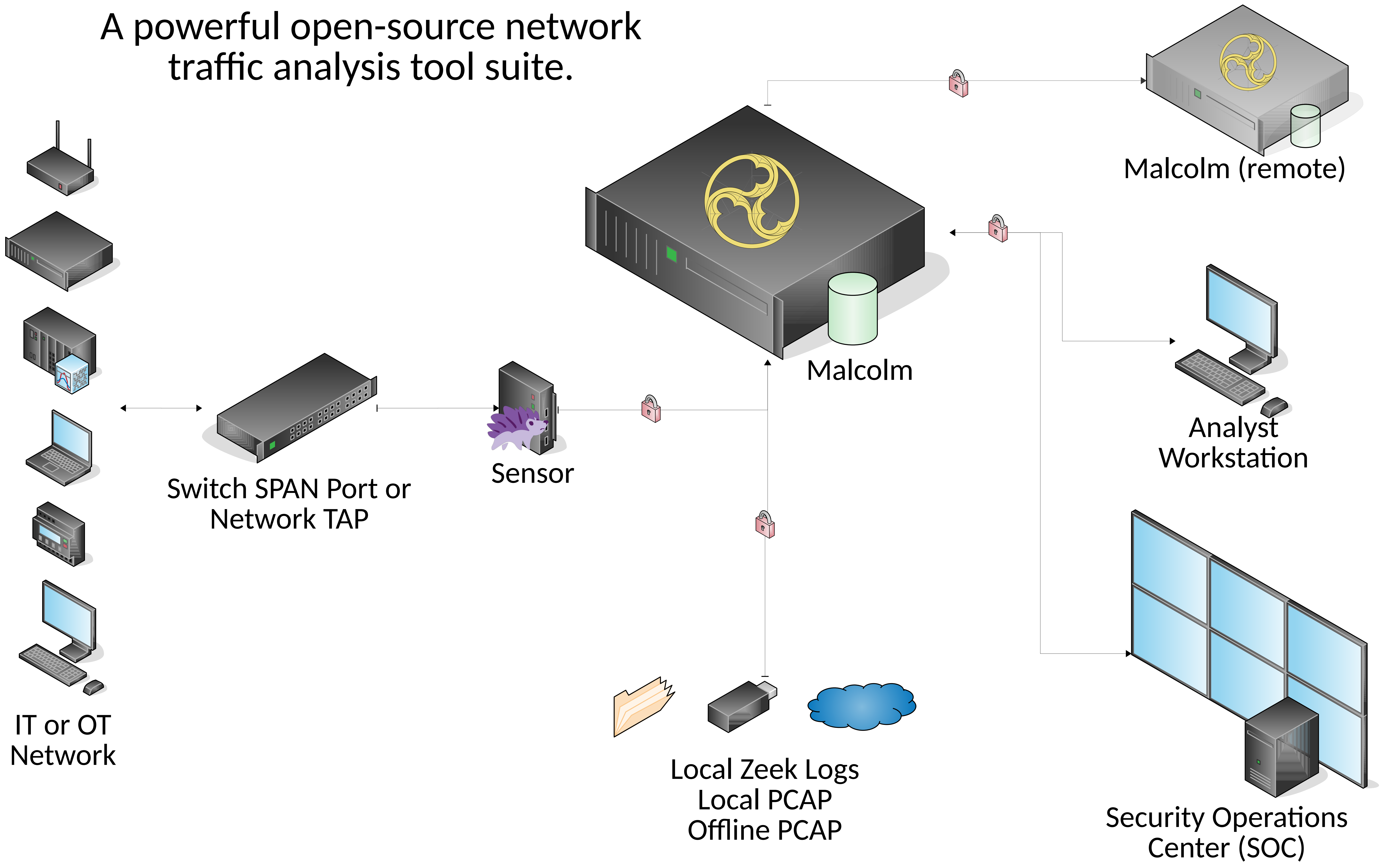
Malcolm

https://github.com/idaholab/Malcolm

A powerful open-source network traffic analysis tool suite.



Supported Protocols

- Internet layer
- Border Gateway Protocol (BGP)
- Building Automation and Control (BACnet)
- Bristol Standard Asynchronous Protocol (BSAP)
- Distributed Computing Environment / Remote Procedure Calls (DCE/RPC)
- Dynamic Host Configuration Protocol (DHCP)
- Distributed Network Protocol 3 (DNP3)
- Domain Name System (DNS)
- EtherCAT
- EtherNet/IP / Common Industrial Protocol (CIP)
- FTP (File Transfer Protocol)
- GENISYS
- Google Quick UDP Internet Connections (gQUIC)
- Hypertext Transfer Protocol (HTTP)
- IPsec
- Internet Relay Chat (IRC)
- Lightweight Directory Access Protocol (LDAP)
- Kerberos
- Modbus
- MQ Telemetry Transport (MQTT)
- MySQL
- NT Lan Manager (NTLM)
- Network Time Protocol (NTP)
- Oracle
- Open Platform Communications Unified Architecture (OPC UA) Binary
- Open Shortest Path First (OSPF)
- OpenVPN
- PostgreSQL
- Process Field Net (PROFINET)
- Remote Authentication Dial-In User Service (RADIUS)
- Remote Desktop Protocol (RDP)
- Remote Framebuffer (RFB / VNC)
- S7comm / Connection Oriented Transport Protocol (COTP)
- Session Initiation Protocol (SIP)
- Server Message Block (SMB) / Common Internet File System (CIFS)
- Simple Mail Transfer Protocol
- Simple Network Management Protocol
- SOCKS
- Secure Shell (SSH)
- Secure Sockets Layer (SSL) / Transport Layer Security (TLS)
- Syslog
- Tabular Data Stream
- Telnet / remote shell (rsh) / remote login (rlogin)
- TFTP (Trivial File Transfer Protocol)
- WireGuard
- tunnel protocols (e.g., GTP, GRE, Teredo, AYIYA, IP-in-IP, etc.)

Malcolm provides an easily deployable network analysis tool suite for full packet capture artifacts (PCAP files), Zeek logs and Suricata alerts by leveraging industry-standard open source tools, including:

OpenSearch
zeek
Arkime
CyberChef
CAPA
yara
ClamAV
netbox
docker

... and more!