

# Download session keys with packet captures

Published: 2024-09-04

You can download PCAP Next Generation (pcapng) file that includes all captured TLS session keys and encrypted packets. You can then open the packet capture file in a tool such as Wireshark, which can apply the session keys and display the decrypted packets.

## Before you begin

- You must have a configured packetstore or packet capture disk before you can download packets and session keys from a sensor or a console. See our [deployment guides](#) to get started.
  - The console must be licensed for TLS Shared Secrets.
  - The [TLS Session Key Storage](#) setting must be enabled on the sensor.
  - RevealX Enterprise users must have either system access and administration [privileges](#) or limited privileges with packets and session keys access. RevealX 360 users must have packets and session keys access.
- Log in to the ExtraHop system through `https://<extrahop-hostname-or-IP-address>`.
  - From the top menu, click **Packets**.
  - Optional: Apply filters to refine the packet query.
  - When the query completes, click **Download PCAP + Session Keys**.
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The pcapng file is automatically downloaded to your computer and the session key download operation is recorded in the [audit log](#).

If there are no session keys available for the downloaded packet capture, the **Download PCAP + Session Keys** button does not appear.

## View the decrypted payload in Wireshark

- Start the Wireshark application.
- Open the downloaded packet capture (pcapng) file in Wireshark.

When an SSL-encrypted frame is selected, the **Decrypted SSL** tab appears at the bottom of the Wireshark window. Click the tab to see the decrypted information in the packet capture as plain text.

