

Download session keys with packet captures

Published: 2018-10-10

You can download a keylog file that includes all captured SSL session keys for SSL packet captures. Then, you can download and open the associated packet capture file with a packet analysis tool like Wireshark that can display the decrypted payload.

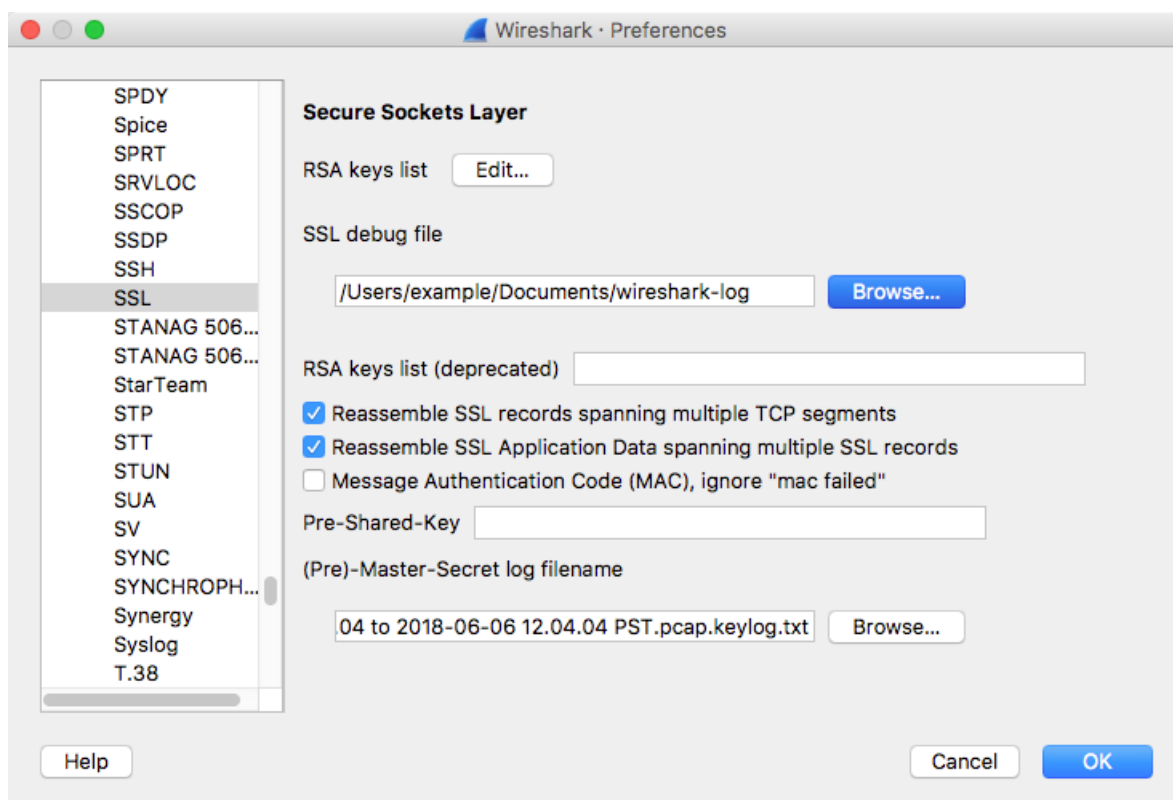
Before you begin

- You must have a configured ExtraHop Trace appliance before you can download packets and session keys from a Discover or Command appliance. See our [deployment guides](#) to get started.
 - The Discover appliance must be licensed for SSL Shared Secrets.
 - The [SSL Session Key Storage](#) setting must be enabled on the Discover appliance.
 - Users must have either [unlimited privileges or limited privileges](#) with packets and session keys access to download the keylog file.
1. Log into the Web UI on the Discover or Command appliance.
 2. From the top menu, click **Packets**.
 3. Optional: Apply filters to refine the packet query.
 4. When the query completes, click **Download PCAP**.
 5. Click **Download Session Keys**.
The keylog 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 Session Keys** button does not appear.

Configure Wireshark to view the decrypted payload

1. Start the Wireshark application.
2. Open the Wireshark Preferences pane, expand the **Protocols** section, and then click **SSL**.
3. Optional: Click the **Browse...** button next to the SSL debug file field to create a log file.
4. Click the **Browse...** button next to the (Pre)-Master-Secret log filename field, select the `*.pcap.keylog.txt` file you downloaded above, and then click **Open**.



5. Click **OK** to close the Preferences window.
6. Open the downloaded packet capture 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.

