

## Third-Party Open Source Software Used By Npcap

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This document covers **Npcap version 1.60**. Licensees or potential licensees who want this information for a different Nmap release should contact [sales@nmap.com](mailto:sales@nmap.com).

### Libpcap Portable Packet Capturing Library

**Description:** Libpcap is a popular reference implementation of the pcap packet capturing API. It is produced by The Tcpdump Group and supports Linux and Mac OS X systems (among others). Npcap implements this API for Microsoft Windows by combining the high-level open source libpcap API code with our own custom Windows driver that implements the low-level network operations. Our wpcap.dll library file is mostly Libpcap code. We occasionally make our own fixes and changes to the libpcap code, but we have a great relationship with The Tcpdump Group and try to submit all of our changes to them for incorporation in future libpcap releases.

**Software URL:** <http://www.tcpdump.org/>

**Version used:** 1.10

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## Winpcap Windows Packet Capturing Library

**Description:** Winpcap is an earlier (now abandoned) open source implementation of the pcap API for Windows. The last Winpcap release was made in March 2013. We created Npcap by starting with that abandoned code and updating it to support modern Windows NDIS API's and fixing well-known bugs and security issues. While Npcap has diverged substantially over the years, it still contains a substantial amount of original Winpcap code, so the Winpcap license must be followed. is used by Nmap on Windows for raw packet reading during host discovery, port scanning, and OS detection. It is a derivative of LibPcap, so that license (see Libpcap section) must be followed as well. It is only needed and used on Windows.

**Software URL:** <https://www.winpcap.org/>

**Version used:** 4.1.3

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## The ieee80211\_radiotap.h Header File

**Description:** This is just a short header file defining data structures for the IEEE 802.11 radio capture header

**Software URL:** <http://web.mit.edu/~mkgray/afs/bar/afs/sipb.mit.edu/project/freebsd/head/contrib/wpa/src/utils/radiotap.h>

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