Third-Party Open Source Software Used By Npcap

Npcap (https://npcap.com) is a software library for packet capture and transmission on the Microsoft Windows platform. There is a free/demo Npcap which is mostly for personal use, and a commercial Npcap OEM Edition for companies who want automated deployment, commercial support, greater internal-use rights, or even to redistribute Npcap OEM within their products.

Npcap uses three third-party open source software components: Libpcap, Winpcap, and ieee80211_radiotap.h. All of these are open source with BSD-style licenses that allow for unlimited use and royalty-free redistribution within other software (including commercial/proprietary software). Some include a warranty disclaimer (relating to the original authors) and require a small amount of acknowledgment text be added to the documentation of any software which includes them (including indirectly through Npcap). An example of such text provided in the next section of this document. Since Nmap Software LLC is not the author of this third-party code, we can not waive or modify its software copyright or license. Npcap users and redistributors must comply with the relevant Npcap license (either the free/demo license or a commercial Npcap OEM license) as well as the fairly minimal requirements of the third-party open source software listed here. Each of the three components has a section later in this document detailing the software and providing its full license text.

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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. It 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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License Text: This was taken from https://www.winpcap.org/misc/copyright.htm on March 11, 2016 and we made the following updates:

- Removed the "advertising clause" from University of California, Berkeley copyright statement because they have officially removed and revoked that as documented here: https://ipira.berkeley.edu/sites/default/files/shared/docs/Advertising_clause_removed_from_BSD_license.pdf
- Removed copyright notice from Kungliga Tekniska Högskolan because that code is no longer in Npcap.
- Removed copyright notice from Yen Yen Lim and north Dakota State University because that code is no longer in Npcap.
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- Removed copyright notice from Daniel Hartmeier since that code is no longer in Npcap.
- Removed copyright notice from Carnegie Mellon since that code is no longer in Npcap.
- Removed the 1983 copyright notice from UC Berkeley since that code is no longer in Npcap. The notice from their 1990's contributions is still there.

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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
Version used: There is not a specific version number, but it says "Copyright (c) 2003, 2004 David Young"
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License Text: This is from a comment near the top of the ieee80211_radiotap.h file itself:

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