

# Overview OpenVAS Internals

**libopenvas**

**proctitle:**  
initsetproctitle(), setproctitle()

**services1:**  
nessus\_init\_svc()

**rand:**  
nessus\_init\_random(), lrand48(), srand48()

**resolve:**  
host2ip(), nn\_resolve()

**ids\_send:**  
ids\_send(), ids\_open\_sock\_tcp()

**system:**  
emalloc(), estrdup(), efree(), estrlen(), erealloc(), inet\_aton()

**ftp\_funcs:**  
ftp\_log\_in(), ftp\_get\_pasv\_address()

**harglists:**  
harg\_create(), harg\_close\_any(), harg\_dup(), harg\_addt(), harg\_set\_value(), harg\_renamet(), harg\_remove(), harg\_get\_value(), harg\_inct(), harg\_sort(), harg\_csorth(), harg\_get\_nth(), harg\_get\_typed(), harg\_get\_sizet(), harg\_walk\_init(), harg\_walk\_next(), harg\_walk\_stop(), harg\_do(), harg\_dump(), harg\_tracker\_flush(), harg\_tracker\_dump(), harg\_logger(), harg\_debuglevel()

**share\_fd:**  
send\_fd(), recv\_fd()

**scanner\_utils:**  
comm\_send\_status(), getpts()

**services:**  
nessus\_get\_svc\_name(), get\_tcp\_svcs()

**get\_opt:**  
getopt\_set\_posix\_option\_order()

**www\_funcs:**  
build\_encode\_url()

**popen:**  
nessus\_popen4(), nessus\_popen(), nessus\_pclose(), append\_argv(), destroy\_argv()

**arglist:**  
arg\_free\_name(), arg\_add\_value(), arg\_set\_value(), arg\_set\_type(), arg\_get\_value(), arg\_get\_length(), arg\_get\_type(), arg\_dup(), arg\_dump(), arg\_free(), arg\_free\_all()

**get\_opt1:**  
getopt\_long(), getopt\_long\_only()

**pcap:**  
is\_local\_ip(), get\_mac\_addr(), ipaddr2devname(), is\_localhost(), get\_data\_link\_size(), get\_random\_bytes(), get\_interfaces(), get\_sourceip(), routethrough()

**store:**  
store\_plugin(), store\_load\_pugin(), store\_init\_sys(), store\_init\_user(), arglist2str(), str2arglist(), safecopy(), store\_init\_sys(), store\_init\_user(), store\_get\_plugin\_f(), store\_get\_plugin(), store\_fetch\_path(), store\_fetch\_name(), store\_fetch\_version(), store\_fetch\_timeout(), store\_fetch\_summary(), store\_fetch\_description(), store\_fetch\_category(), store\_fetch\_copyright(), store\_fetch\_family(), store\_fetch\_cve\_id(), store\_fetch\_bugtrack\_id(), store\_fetch\_xref(), store\_fetch\_dependencies(), store\_fetch\_required\_keys(), store\_fetch\_excluded\_keys(), store\_fetch\_required\_ports(), store\_fetch\_required\_udp\_ports()

**network:**  
stream\_get\_err(), nessus\_register\_connection(), nessus\_deregister\_connection(), nessus\_SSL\_init(), nessus\_get\_socket\_from\_connection(), open\_stream\_connection, open\_stream\_connection\_unknown\_encaps5(), open\_stream\_connection\_unknown\_encaps(), open\_stream\_auto\_encaps(), ovas\_server\_context\_new(), ovas\_server\_context\_free(), ovas\_server\_conext\_attach(), stream\_get\_ssl(), stream\_set\_timeout(), stream\_set\_options(), read\_stream\_connection\_min(), read\_stream\_connection(), write\_stream\_connection(), nsend(), nrecv(), close\_stream\_connection(), get\_encaps\_name(), get\_encaps\_through(), open\_sock\_opt\_hn(), open\_sock\_tcp\_hn(), open\_sock\_tcp(), open\_sock\_udp(), socket\_get\_next\_source\_addr(), set\_socket\_source\_addr(), socket\_source\_init(), open\_sock\_option(), recv\_line(), socket\_close(), auth\_printf(), auth\_send(), auth\_gets(), stream\_zero(), stream\_set(), stream\_isset(), fd\_is\_stream(), stream\_get\_buffer\_sz(), stream\_set\_bufifer(), os\_send(), os\_recv(), internal\_send(), internal\_recv(), stream\_pending()

**kb:**  
kb\_new(), kb\_item\_get\_single(), kb\_item\_get\_str(), kb\_item\_get\_int(), kb\_item\_get\_all(), kb\_item\_get\_pattern(), plug\_get\_oldstyle\_kb(), kb\_item\_get\_all\_free(), kb\_item\_add\_str(), kb\_item\_set\_str(), kb\_item\_set\_int(), kb\_item\_add\_int(), kb\_item\_rm\_all()

**hlist:**  
create\_hlist(), copy\_hlist(), flush\_hlist(), desroy\_hlist(), find\_hlist(), make\_hlist(), delete\_hlist(), compress\_hlist\_index(), query\_key\_hlist(), query\_keylen\_hlist(), set\_tranum\_hlist(), query\_hlist\_size(), open\_hlist\_search(), next\_hlist\_search(), close\_hlist\_search(), for\_hlist\_do(), sort\_hlist(), csorth\_hlist(), inx\_hlist(), unsort\_hlist(), hlist\_buckets(), hlist\_statistics()

**plugutils:**  
nessuslib\_version(), nessus\_lib\_version(), nessuslib\_pthreads\_enabled(), addslashes(), rmlslashes(), plug\_set\_version(), plug\_get\_version(), plug\_set\_path(), plug\_get\_path(), plug\_set\_fname(), plug\_get\_fname(), plug\_set\_id(), plug\_get\_id(), plug\_set\_cve\_id(), plug\_get\_cve\_id(), plug\_set\_bugtrack\_id(), plug\_get\_bugtrack\_id(), plug\_set\_xref(), plug\_get\_xref(), plug\_set\_family(), plug\_get\_family(), plug\_set\_require\_key(), plug\_get\_required\_keys(), plug\_exclude\_key(), plug\_get\_excluded\_keys(), plug\_require\_port(), plug\_get\_required\_ports(), plug\_require\_udp\_port(), plug\_get\_required\_udp\_ports(), plug\_set\_dep(), plug\_get\_deps(), plug\_set\_timeout(), plug\_get\_timeout(), plug\_set\_launch(), plug\_get\_launch(), plug\_set\_name(), plug\_get\_name(), plug\_set\_summary(), plug\_get\_summary(), plug\_set\_description(), plug\_get\_description(), plug\_set\_copyright(), plug\_get\_copyright(), plug\_set\_category(), plug\_get\_category(), plug\_add\_host(), host\_add\_port(), host\_add\_port\_udp(), host\_get\_port\_state(), plug\_get\_hostname(), plug\_get\_host\_fqnd(), plug\_get\_host\_ip(), proto\_post\_hole(), post\_hole(), post\_hole\_udp(), post\_info(), post\_info\_udp(), proto\_post\_info(), post\_note(), post\_note\_udp(), proto\_post\_note(), get\_preference(), add\_plugin\_preference(), get\_plugin\_preference(), get\_plugin\_preference\_fname(), plug\_get\_fresh\_keys(), plug\_set\_key(), plug\_replace\_key(), scanner\_add\_port(), plug\_get\_kb(), plug\_get\_key(), plug\_get\_host\_open\_port(), plug\_get\_port\_transport(), plug\_set\_ssl\_cert(), plug\_set\_ssl\_key(), plug\_set\_pem\_passowrd(), find\_in\_path(), is\_shell\_command\_present(), shared\_socket\_register(), shared\_socket\_acquire(), shared\_socket\_release(), shared\_socket\_destroy()

**libopenvas\_hg**

**hg\_add\_hosts:**  
hg\_add\_host(), hg\_add\_domain(), hg\_add\_comma\_delimited\_hosts(), hg\_add\_host\_with\_options(), hg\_add\_subnet()

**hg\_utils:**  
hg\_resolve(), hg\_get\_name\_from\_ip(), hg\_name\_to\_domain(), hg\_host\_cleanup(), hg\_hosts\_cleanup()

**hg\_filter:**  
hg\_filter\_host(), hg\_filter\_subnet(), hg\_filter\_domain()

**hosts\_gatherer:**  
hg\_gather\_host(), hg\_init(), hg\_next\_host(), hg\_cleanup()

**hg\_dns\_axfr:**  
hg\_dns\_axfr\_add\_hosts()

**hg\_dump\_hosts:**  
hg\_dump\_hosts()

**hg\_subnet:**  
hg\_get\_subnet\_hosts(), cidr\_get\_first\_ip(), cidr\_get\_last\_ip()

**libopenvasnasl**

**TODO:**  
todo(),

**NAME OF LIBRARY**

**NAME OF MODULE:**  
PUBLIC\_API\_FUNC()  
LIB-INTERNAL\_API\_FUNC()

