

**Getting Started with REMnux**

1. Get REMnux as a virtual appliance, install the distro on a dedicated system, or add it to an existing one.
2. Review REMnux documentation at [docs.remnux.org](https://docs.remnux.org).
3. Keep your system up to date by periodically running “remnux upgrade” and “remnux update”.
4. Become familiar with REMnux malware analysis tools available as Docker images.
5. Know default logon credentials: remnux/malware

**General Commands on REMnux**

Shut down the system ..... **shutdown**  
 Reboot the system ..... **reboot**  
 Switch to a root shell ..... **sudo -s**  
 Renew DHCP lease ..... **renew-dhcp**  
 See current IP address..... **myip**  
 Edit a text file..... **code file**  
 View an image file..... **feh file**  
 Start web server ..... **httpd start**  
 Start SSH server..... **sshd start**

**Analyze Windows Executables**

**Static Properties:** manalyze, peframe, pefile, exiftool, clamscan, pescan, portex, bearcommander, pecheck

**Strings and Deobfuscation:** pestr, bbrack, brxor.py, base64dump, xorsearch, flarestrings, floss, cyberchef

**Code Emulation:** binee, capa, vivbin

**Disassemble/Decompile:** ghidra, [cutter](#), objdump, r2

**Unpacking:** bytelist, [de4dot](#), upx

**Reverse-Engineer Linux Binaries**

**Static Properties:** trid, exiftool, pyew, [readelf.py](#)

**Disassemble/Decompile:** ghidra, [cutter](#), objdump, r2

**Debugging:** edb, gdb

**Behavior Analysis:** ltrace, strace, frida, sysdig, [unhide](#)

**Investigate Other Forms of Malicious Code**

**Android:** apktool, droidlysis, [androgui.py](#), baksmali, [dex2jar](#)

**Java:** cfr, procyon, jad, jd-gui, [idx\\_parser.py](#)

**Python:** [pyinstxtractor.py](#), pycdc

**JavaScript:** js, js-file, [objects.js](#), [box-js](#)

**Shellcode:** [shellcode2exe.bat](#), scdbg, xorsearch

**PowerShell:** pwsh, [base64dump](#)

**Flash:** swfdump, [flare](#), flasm, [swf\\_mastah.py](#), xxxswf

**Examine Suspicious Documents**

**Microsoft Office Files:** vmonkey, pcodedmp, olevba, xlmddeobfuscator, [oledump.py](#), msoffice-crypt, ssviiew

**RTF Files:** rtfobj, rtfdump

**Email Messages:** emldump, msgconvert

**PDF Files:** pdfid, pdfparser, pdfextract, pdfdecrypt, peepdf, pdftk, pdfresurrect, qpdf, pdfobjflow

**General:** [base64dump](#), [tesseract](#), exiftool

**Explore Network Interactions**

**Monitoring:** burpsuite, networkminer, polarproxy, mitmproxy, wireshark, tshark, ngrep, tcpextract

**Connecting:** [thug](#), nc, [tor](#), wget, [curl](#), irc, ssh, [unfurl](#)

**Services:** fakedns, fakemail, [accept-all-ips](#), nc, [httpd](#), inetsim, fakenet, sshd, myip

**Gather and Analyze Data**

**Network:** [Automater.py](#), shodan, [ipwhois\\_cli.py](#), pdnstool

**Hashes:** [malwoverview.py](#), nsrlookup, [Automater.py](#), vt, [virustotal-search.py](#)

**Files:** yara, [scalpel](#), bulk\_extractor, ioc\_writer

**Other:** dextray, [viper](#), [time-decode.py](#)

**Other Analysis Tasks**

**Memory Forensics:** vol.py, vol3, [linux\\_mem\\_diff.py](#), aeskeyfind, rsakeyfind, bulk\_extractor

**File Editing:** wxHexEditor, scite, [code](#), xpdf, [convert](#)

**File Extraction:** 7z, [unzip](#), unrar, cabextract

**Use Docker Containers for Analysis**

**Thug Honeyclient:** remnux/thug

**JSDetox JavaScript Analysis:** remnux/jsdetox

**Rekall Memory Forensics:** remnux/recall

**RetDec Decompiler:** remnux/retdec

**Radare2 Reversing Framework:** remnux/radare2

**Ciphey Automatic Decrypter:** remnux/ciphey

**Viper Binary Analysis Framework:** remnux/viper

**REMnux in a Container:** remnux/remnux-distro

**Interact with Docker Images**

List local images ..... **docker images**

Update local image..... **docker pull image**

Delete local image..... **docker rmi imageid**

Delete unused resources.... **docker system prune**

Open a shell inside a ..... **docker run --rm -it image bash**  
transient container

Map a local TCP port 80 to ... **docker run --rm -it -p 80:80**  
container's port 80 **image bash**

Map your current directory... **docker run --rm -it -v .:dir**  
into container **image bash**