

Join us at SharkFest'22 US, July 9-14! Register for a rich, knowledge-sharing encounter w/ peers, core devs & renowned instructors • Early bird discounts through April 15 (<https://sharkfestus.wireshark.org>)



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About Wireshark

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Wireshark is the world's foremost and widely-used network protocol analyzer. It lets you see what's happening on your network at a microscopic level and is the de facto (and often de jure) standard across many commercial and non-profit enterprises, government agencies, and educational institutions. Wireshark development thrives thanks to the volunteer contributions of networking experts around the globe and is the continuation of a project started by Gerald Combs in 1998.

Wireshark has a rich feature set which includes the following:

- Deep inspection of hundreds of protocols, with more being added all the time
- Live capture and offline analysis
- Standard three-pane packet browser
- Multi-platform: Runs on Windows, Linux, macOS, Solaris, FreeBSD, NetBSD, and many others
- Captured network data can be browsed via a GUI, or via the TTY-mode TShark utility
- The most powerful display filters in the industry
- Rich VoIP analysis
- Read/write many different capture file formats: tcpdump (libpcap), Pcap NG, Catapult DCT2000, Cisco Secure IDS iplog, Microsoft Network Monitor, Network General Sniffer® (compressed and uncompressed), Sniffer® Pro, and NetXray®, Network Instruments Observer, NetScreen snoop, Novell LANalyzer, RADCOM WAN/LAN Analyzer, Shomiti/Finisar Surveyor, Tektronix K12xx, Visual Networks Visual UpTime, WildPackets EtherPeek/TokenPeek/AiroPeek, and many others
- Capture files compressed with gzip can be decompressed on the fly
- Live data can be read from Ethernet, IEEE 802.11, PPP/HDLC, ATM, Bluetooth, USB, Token Ring, Frame Relay, FDDI, and others (depending on your platform)

- Decryption support for many protocols, including IPsec, ISAKMP, Kerberos, SNMPv3, SSL/TLS, WEP, and WPA/WPA2
- Coloring rules can be applied to the packet list for quick, intuitive analysis
- Output can be exported to XML, PostScript®, CSV, or plain text

Learn Wireshark

Wireshark Training

SharkFest™ Wireshark Educational Conferences

Join Gerald Combs, Hansang Bae, Kary Rogers, Sake Blok, Jasper Bongertz, Christian Landström, Phill Shade, and many other packet analysis experts at SharkFest (<https://sharkfestvirtual.wireshark.org/>), an immersive Wireshark training experience.

- SharkFest'22 US (<https://sharkfestus.wireshark.org/>): July 9-14, Kansas City, MO
- SharkFest'22 EUROPE (<https://sharkfesteurope.wireshark.org/>): October 31-November 4, Estoril, Portugal

Contact sharkfest@wireshark.org (<mailto:sharkfest@wireshark.org>) for more info.

Wireshark University USA Training - Packet Pioneer - Chris Greer

- **April 25-26, 2022: TCP/IP Deep Dive with Wireshark - Virtual Classroom** (<https://bit.ly/wiresharkvirtualtraining>)
- **June 20-21, 2022: TCP/IP Deep Dive with Wireshark - Virtual Classroom** (<https://bit.ly/wiresharkvirtualtraining>)
- **On-Demand Wireshark Training :**
 - **Introduction to Wireshark Analysis** (<https://bit.ly/wiresharkprotocols>)
 - **Foundational TCP Analysis with Wireshark** (<https://bit.ly/wiresharktcp>)
 - **Wireshark Configuration for Cybersecurity Analysis** (<https://bit.ly/wiresharkcyber>)
 - **Troubleshooting Slow Networks with Wireshark** (<https://bit.ly/wiresharktshoot>)
 - **Identify Common Cyber Network Attacks with Wireshark** (<https://bit.ly/wiresharkhunt>)
- **Private Wireshark Training - Anywhere in USA and Latin America. Contact Packet Pioneer today!** (<https://packetpioneer.com/contact/>)

Wireshark University Europe/EMEA - SCOS Training Europe (<https://scos.training/>)

- **March 28 – April 1st 2022: Virtual Classroom Training, Amsterdam/Netherlands: TCP/IP Analysis and Troubleshooting with Wireshark**
(<https://scos.training/wireshark-training/troubleshooting-tcp-ip-networks>)

Classroom and Virtual Courses:

- **TCP/IP Analysis and Troubleshooting with Wireshark (5 days)**
(<https://scos.training/wireshark-training/troubleshooting-tcp-ip-networks>)
- **Advanced Network/Security Analysis using Open Source Tools (5 days)**
(<https://scos.training/wireshark-training/advanced-network-security-analysis/>)
- **WiFi / 802.11 Network Analysis and Security (5 days)**
(<https://scos.training/network-training/wifi-802-11-network-analysis/>)
- **Network Forensics Analysis Using Wireshark (5 days)**
(<https://scos.training/wireshark-training/network-forensics-analysis-using-wireshark/>)

For in-company and Special Law Enforcement/Forensics Courses, contact info@scos.training (<mailto:info@scos.training>)

User Documentation

User's Guide (https://www.wireshark.org/docs/wsug_html_chunked)

The Wireshark User's Guide is available in several formats:

Web pages (browseable): One huge page

(https://www.wireshark.org/docs/wsug_html) or multiple pages

(https://www.wireshark.org/docs/wsug_html_chunked)

Web pages (ZIP file): One huge page

(https://www.wireshark.org/download/docs/wsug_html.zip) or multiple pages

(https://www.wireshark.org/download/docs/wsug_html_chunked.zip)

EPUB

(<https://www.wireshark.org/download/docs/Wireshark%20User%27s%20Guide.epub>)

PDF

(<https://www.wireshark.org/download/docs/Wireshark%20User%27s%20Guide.pdf>)

Command-line Manual Pages (</docs/man-pages/>)

UNIX-style man pages for Wireshark, TShark, dumpcap, and other utilities

Display Filter Reference (</docs/dfref/>)

All of Wireshark's display filters, from version 1.0.0 to present.

[Release Notes \(/docs/relnotes/\)](/docs/relnotes/)

Version 0.99.2 to present.

[Security Advisories \(/security/\)](/security/)

Information about vulnerabilities in past releases and how to report a vulnerability

[Bibliography \(/bibliography.html\)](/bibliography.html)

Books, articles, videos and more!

[Mirroring Instructions \(/mirror.html\)](/mirror.html)

How to set up a wireshark.org mirror

[Export Regulations \(/export.html\)](/export.html)

Our primary distribution point and how it affects you

Development

[Developer's Guide \(https://www.wireshark.org/docs/wsdg_html_chunked\)](https://www.wireshark.org/docs/wsdg_html_chunked)

The Wireshark Developers's Guide is available in several formats:

Web pages (browseable): One huge page

(https://www.wireshark.org/docs/wsdg_html) or multiple pages

(https://www.wireshark.org/docs/wsdg_html_chunked)

Web pages (ZIP file): One huge page

(https://www.wireshark.org/download/docs/wsdg_html.zip) or multiple pages

(https://www.wireshark.org/download/docs/wsdg_html_chunked.zip)

EPUB

(<https://www.wireshark.org/download/docs/Wireshark%20Developer%27s%20Guide.epub>)

PDF

(<https://www.wireshark.org/download/docs/Wireshark%20Developer%27s%20Guide.pdf>)

Videos and Presentations

[SharkFest Retrospective Pages \(http://sharkfest.wireshark.org/\)](http://sharkfest.wireshark.org/)

SharkFest (<http://sharkfest.wireshark.org/>) features presentations from a variety of knowledgeable, informative speakers.

- **SharkFest US** (<https://sharkfestus.wireshark.org/retrospective>)
- **SharkFest ASIA** (<https://sharkfestasia.wireshark.org/retrospective>)
- **SharkFest Europe** (<http://sharkfesteurope.wireshark.org/retrospective>)

Videos

Take the free “Introduction to Wireshark” Tutorial series with Chris

Wireshark Tutorial for B...



Top 10 Wireshark Filters Follow Chris as he shows you the top filters you need to know to start shredding

Top 10 Wireshark Filter...



TCP Fundamentals Part 1 - Sharkfest Talks Join Chris at Sharkfest when he covered the core concepts of TCP Analysis shredding

TCP Fundamentals Part...



Back to the Packet Trenches (Hansang Bae)

10 Back to the Packet T...



For more "Packet Trenches" resources, check out these links:

- **Watch the replay of the 2016 & 2017 Packet Trenches series** (<http://bit.ly/HSBBook>) and get access to Hansang's traces files. (<https://app.box.com/v/HSBBook>)
- **The trace files, DB troubleshooting tips, Column setup information, and recommended books are in Hansang's trace files** (<https://app.box.com/v/HSBBook>) The file to download is: **"BackToBasics-Part-1.zip"**

More Resources

Wireshark Q&A [↗](http://ask.wireshark.org/) (<http://ask.wireshark.org/>)

Frequently Asked Questions [↗](#) ([faq.html](#))

Mailing Lists [↗](#) ([/lists/](#))

Online Tools [↗](#) ([/tools/](#))

Wireshark Wiki [↗](#) (<https://gitlab.com/wireshark/wireshark/-/wikis>)

Issue Tracker [↗](#) (<https://gitlab.com/wireshark/wireshark/-/issues>)

SharkFest YouTube [↗](#)

(https://www.youtube.com/channel/UCHBY7sUVdWK4bOSe7khG0UA?sub_confirmation=1)

Wireshark and SharkFest blogs

Dedication and Disagreements (Gerald Combs)

(<https://blog.wireshark.org/2019/07/dedication-and-disagreements/>)

How I use Wireshark (Julia Evans) (<https://jvns.ca/blog/2018/06/19/what-i-use-wireshark-for/>)

SharkFest'18 US Review (Denis Fishburne) (<https://youtu.be/7Sno828oTkk>)
SharkFest'18 EUROPE Recap (Jasper Bongertz) (<https://t.co/n8DePR6oCu>)
SharkFest'17 US Recap (Jasper Bongertz) (<https://blog.packet-foo.com/2017/07/sharkfest-2017-us-recap-10-years-of-sharkfest/>)

News and Events



SharkFest'22

Wireshark Developer and User Conference

Dates: TBD

Location: TBD

Download Wireshark

The current stable release of Wireshark is 3.6.3.

Stable Release (3.6.3) • March 23, 2022

📥 **Windows Installer (64-bit)** (<https://1.eu.dl.wireshark.org/win64/Wireshark-win64-3.6.3.exe>)

Windows Installer (32-bit) (<https://1.eu.dl.wireshark.org/win32/Wireshark-win32-3.6.3.exe>)

Windows PortableApps® (64-bit)

(https://1.eu.dl.wireshark.org/win64/WiresharkPortable64_3.6.3.paf.exe)

Windows PortableApps® (32-bit)

(https://1.eu.dl.wireshark.org/win32/WiresharkPortable32_3.6.3.paf.exe)

macOS Arm 64-bit .dmg

(<https://1.eu.dl.wireshark.org/osx/Wireshark%203.6.3%20Arm%2064.dmg>)

macOS Intel 64-bit .dmg

(<https://1.eu.dl.wireshark.org/osx/Wireshark%203.6.3%20Intel%2064.dmg>)

Source Code (<https://1.eu.dl.wireshark.org/src/wireshark-3.6.3.tar.xz>)

Old Stable Release (3.4.13) • March 23, 2022

Documentation

**More downloads and documentation can be found on
the downloads page (</download.html>).**

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([https://www.endace.com/endaceprobe?](https://www.endace.com/endaceprobe?utm_source=wireshark&utm_medium=banner&utm_campaign=dl-page)

[utm_source=wireshark&utm_medium=banner&utm_campaign=dl-page](https://www.endace.com/endaceprobe?utm_source=wireshark&utm_medium=banner&utm_campaign=dl-page))

(<https://fmad.io/001bbf9ab910b0556e4b666b370abffb.html>)

(<https://sysdig.com/blog/wireshark-creator-joins-sysdig/>)

(</sponsors/scos-training>)



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