





# CORE-IT PROS CONFERENCE AGENDA AND CONTENT



**Date:** August 22-26, 2022 (Plus One Week On-Demand)  
**Register:** <https://coreitpros.com>

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### All times Pacific (UTC-7)

22 AUGUST	23 AUGUST	24 AUGUST	25 AUGUST	26 AUGUST
<b>CHAPPELL WORKSHOP</b> 9:00a-4:00p  <b>CORE Packets and Protocols</b> Focus on Wireshark and network analysis techniques for troubleshooting, optimizing, and securing your network.	<b>PENNACCHI WORKSHOP</b> 9:00a-4:00p  <b>CORE Tools and Tricks</b> Focus on a variety of commercial and open source tools that every IT professional MUST HAVE in their toolbox.	<b>FORTUNATO WORKSHOP</b> 9:00a-4:00p  <b>CORE Skills for Success</b> Focus on problem assessment, workflows, documentation, and a planned, logical methodology to get faster results.	<b>Keynote 1</b> 9:00a-10:00a  <b>Virtual Offices</b> 10:15a-11:45a  Partner Showcase* <b>Raffle Run #1</b> 12:15p-1:00p	<b>Keynote 2</b> 9:00a-10:00a  <b>Virtual Offices</b> 10:15a-11:45a  Partner Showcase* <b>Raffle Run #2</b> 12:15p-1:00p
<b>Open 24-Hours</b> General Sessions • DIY Labs • Tech Tip Training* • Case Studies • WCNA Cert Center* • Fluke CCTT Cert Center* • Open Badge Center • Packet Pub*				
All content available on-demand until September 2nd at 6:00 pm Pacific Time				

\* Available with your FREE EVENT ACCESS ticket.

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## Full-Day Workshops

(Full Event Access Ticket Required)

Three no-nonsense, concentrated workshops focused on core network protocols, tools, and skills to manage today's complex networks. Each workshop will be recorded and available online from Thursday, August 25<sup>th</sup> until September 2<sup>nd</sup> at 6:00p PT.

DATE/ID	Workshop Title	Presenter
22 Aug 9am-4pm PT WSC01	<b>Full-Day Workshop: CORE Packets and Protocols</b>  Laura takes you into the essential behavior and fields on which to focus for ARP, IP, DNS, UDP, TCP, HTTP, and ICMP while demonstrating capture and analysis techniques for each. During this workshop, Laura will begin to create her CORE-IT Pros Wireshark profile (which will be shared with workshop attendees).	Laura Chappell
23 Aug 9am-4pm PT WSP01	<b>Full-Day Workshop: CORE Tools and Tips</b>  Whether it is capturing packets, measuring throughput, or discovering your network, it is important to have the right tool for the job. In this full day workshop Mike will work his way up through the OSI model demonstrating tools for validating and troubleshooting each layer. He will show when open-source tools make sense and when it is best to purchase a tool for the job. Bring your questions for this fun and informative workshop.	Mike Pennacchi
24 Aug 9am-4pm PT WSF01	<b>Full-Day Workshop: CORE Skills for Success</b>  Performance pointing - server performance issues. Is it the network, server, or application? Tony will walk you through various tips, tricks, and techniques to document your performance issues.	Tony Fortunato

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## General Sessions

### (Full Event Access Ticket Required)

On-demand general sessions enable you to take training on your schedule 24 hours a day throughout the event. General sessions are 30 minutes length on average.

ID	General Session Title	Presenter
GS01	A Network Isn't a Pretty Cloud	Tony Fortunato
GS02	Analyze an Nmap Scan	Laura Chappell
GS03	DHCP Review	Tony Fortunato
GS04	IPerf Essentials	Mike Pennacchi
GS05	Know Your Frames, Segments, Tags (and MTU/MSS)	Laura Chappell
GS06	Measure Application Response Times	Laura Chappell
GS07	Packet Analysis, Baselining, Workflow Techniques	Tony Fortunato
GS08	Problem Assessment, Documentation and Troubleshooting Tips	Tony Fortunato
GS09	Ring Buffers, Mergecap, Marking Trace files	Mike Pennacchi
GS10	Security/Troubleshooting Colors/Filters	Laura Chappell
GS11	SmokePing Essentials	Mike Pennacchi
GS12	Start Troubleshooting on The Right Foot	Tony Fortunato
GS13	TCP iRTT Use	Laura Chappell
GS14	WAN Emulation: Measure Latency/Packet Loss Impact on App Performance	Mike Pennacchi
GS15	Wire Mapping vs. Qualification vs. Certification	Mike Pennacchi

## Virtual Offices

### (Full Event Access Ticket Required)

Join Laura, Mike, and Tony in their virtual offices for live discussions, question/answer sessions, war stories, demos, etc. Dress code: casual (of course).



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## Tech Tip Training (Free Access)



Short and sweet. The Tech Tip Series offers rapid training on key topics. Got a minute? Learn a new skill or technique!

ID	Tech Tip Training Title	Presenter
TT01	1-Line PowerShell File System Performance Script	Tony Fortunato
TT02	3 Cool Buttons to Build in Wireshark	Laura Chappell
TT03	Avoid Wireshark's != Hell	Laura Chappell
TT04	-b Option in Tshark	Mike Pennacchi
TT05	Browser Developer Tools	Tony Fortunato
TT06	Build an Essential Wireshark Stream Column	Laura Chappell
TT07	CDP Discovery Using Microsoft's Pktmon	Tony Fortunato
TT08	Creating Batch Files to Filter Multiple Capture Files	Mike Pennacchi
TT09	Decrypt WPA2 Traces	Mike Pennacchi
TT10	Easily Manage Your Windows IP Configuration	Tony Fortunato
TT11	Fast Trick for TCP Handshake Analysis	Laura Chappell
TT12	Figure Out the TCP Connect Time in Just 2 Packets	Tony Fortunato
TT13	Filter Faster with the "In" Operator	Laura Chappell
TT14	Get Started with IPerf in 5 Steps or Less	Tony Fortunato
TT15	How To Perform a Port Scan Using Nmap	Tony Fortunato
TT16	How to Use an Optical Power Meter	Mike Pennacchi
TT17	How to Use Bridge Forwarding Tables	Mike Pennacchi
TT18	How to Use CURL to Measure Response Times	Mike Pennacchi
TT19	Import/Export Profiles	Laura Chappell
TT20	iPerf for TCP, iPerf for UDP	Mike Pennacchi
TT21	Laura's Lazy Filter Trick	Laura Chappell

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TT22	Make Your Own Graphs in Excel from Your Traces	Tony Fortunato
TT23	nslookup, Beyond the A Record	Mike Pennacchi
TT24	Recover a Stored Password from a Web Browser	Tony Fortunato
TT25	Removing Duplicate Packets from a Trace File	Mike Pennacchi
TT26	Start Capturing with Pktmon in Less Than 5 Minutes	Tony Fortunato
TT27	The “Suspicious Stuff” Button	Laura Chappell
TT28	Using TCP Completeness Feature	Laura Chappell
TT29	Using TCP Traceroute to Check Firewall Rules	Mike Pennacchi
TT30	Wireshark v4 Update	Laura Chappell

## DIY Labs

### (Full Event Access Ticket Required)

Ready to get your hands dirty? Tactile learners will love the step-by-step hands-on labs that walk you through key tasks and tools covered during the workshops, keynotes, and general sessions.

ID	DIY Labs Title	Presenter
DIY01	Build Wireshark Profiles and Templates	Laura Chappell
DIY02	Capture/Analyze a 3-Way Handshake	Mike Pennacchi
DIY03	Convert a \$25 Switch into a Tap	Mike Pennacchi
DIY04	Get Started with MRTG	Tony Fortunato
DIY05	Measure Throughput	Mike Pennacchi
DIY06	PowerShell Cool netstat Alternative	Tony Fortunato
DIY07	Reassembly and Data Carving	Laura Chappell
DIY08	Run an Nmap Discovery	Mike Pennacchi
DIY09	Setup a Ring Buffer	Mike Pennacchi
DIY10	Subnet Mask Issues	Tony Fortunato
DIY11	Use Packet Slicing	Tony Fortunato

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ID	DIY Labs Title	Presenter
DIY12	Visit North Korea	Laura Chappell
DIY13	VLAN/Broadcast Analysis Techniques	Tony Fortunato
DIY14	Wireshark Name Resolution Tricks	Laura Chappell
DIY15	Work with Wireshark GeolP	Laura Chappell

## Case Studies

### (Full Event Access Ticket Required)

Real-world case studies take you behind the scenes from the initial call for help to the final resolution of various network issues.

ID	Case Studies Title	Presenter
CS01	After Adding More Bandwidth, Things Are Still Slow	Mike Pennacchi
CS02	Malicious Weather in Tahoe	Laura Chappell
CS03	People Can't Connect to the Guest Wireless	Mike Pennacchi
CS04	Phones Can't Get an IP Address	Tony Fortunato
CS05	Routing Problem	Tony Fortunato
CS06	TCP Almost Zero Window Problem	Tony Fortunato
CS07	TCP Multipoint Capture Hell	Laura Chappell
CS08	Undissected C2 Traffic	Laura Chappell
CS09	We Need You to Get in Your Car NOW and Come Down Here!	Mike Pennacchi

## The CORE-IT Pros Zotero Library

### (Full Event Access Ticket Required)



We've put together a complete Zotero library with links to our favorite tools, trainings, reading materials, and more. Fully indexed and tagged, you can spend hours roaming around our library.

# CORE-IT PROS CONFERENCE AGENDA AND CONTENT



## Partner Showcase and Raffle Run (Free Access<sup>1</sup>)

Come visit our event partners to learn about some of the hottest tools for network monitoring, management, analysis, troubleshooting, security, and training. Chat with partner representatives, download resources, and participate in the Raffle Runs.

- Raffle Run #1: August 25<sup>th</sup> (Thursday) from 12:15pm – 1:00pm (Pacific Time, UTC-7)
- Raffle Run #2: August 26<sup>th</sup> (Thursday) from 12:15pm – 1:00pm (Pacific Time, UTC-7)

Visit <https://www.coreitpros.com/partners> to see a list of our current Partners.

## WCNA Certification Lounge (Free Access)

Laura provides information and answers questions about the WCNA Certification program and advises you on how to prepare for the WCNA Exam.

## Fluke Networks CCTT Certification Lounge (Free Access)

Mike provides information and answers questions about the Fluke Networks CCTT Certification program.



## Packet Pub Social Lounge (Free Access)



Join us in the Packet Pub for a series of Packet Pub Quizzes that will run throughout the event. These Packet Pub Quiz questions will focus on the information learned during the event.

<sup>1</sup> Full Event Access ticket is required to be eligible for prizes in the Partner Showcase Raffle Run.