WizShark™

Wi-Fi Troubleshooting Made Easy

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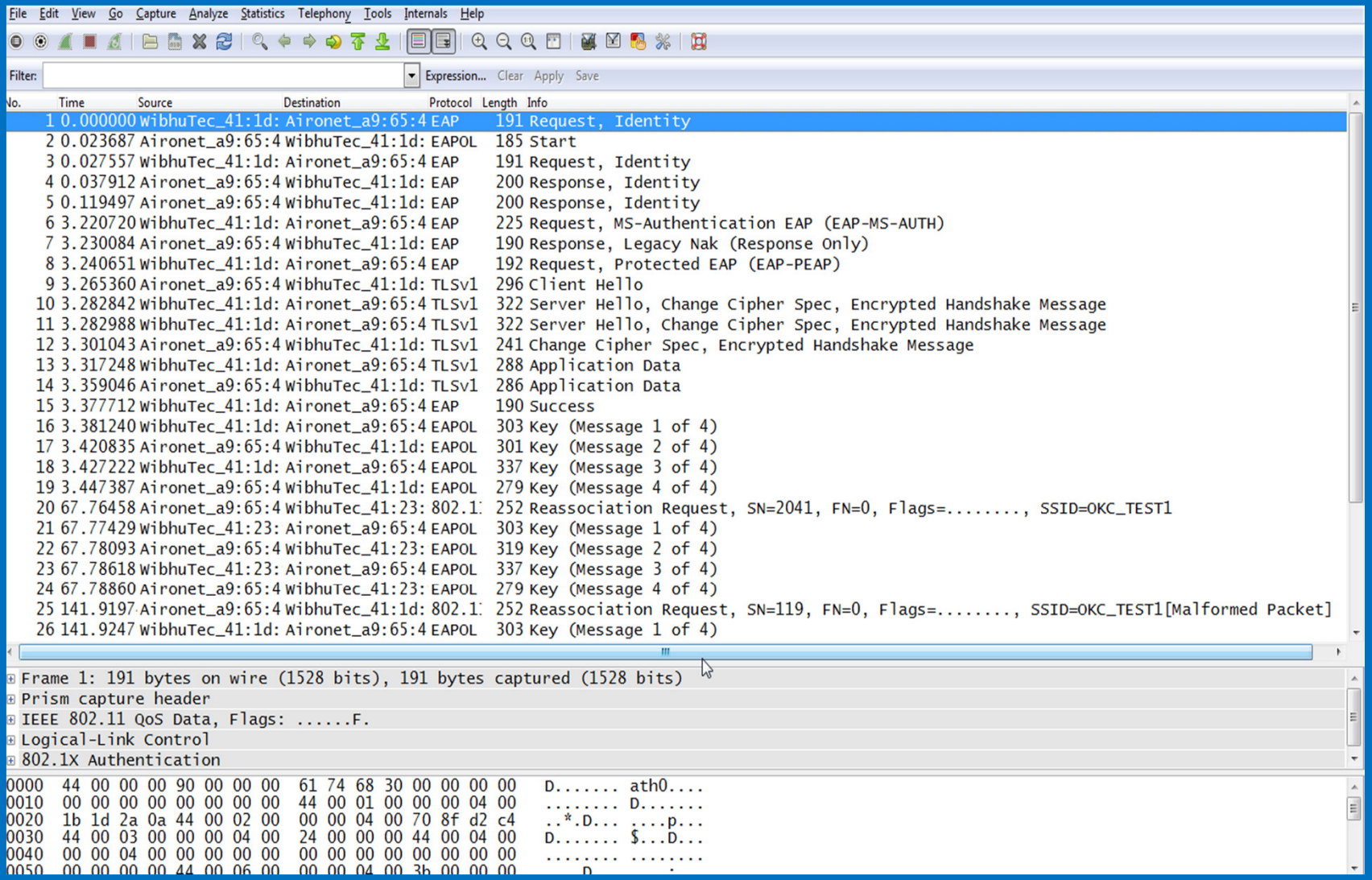
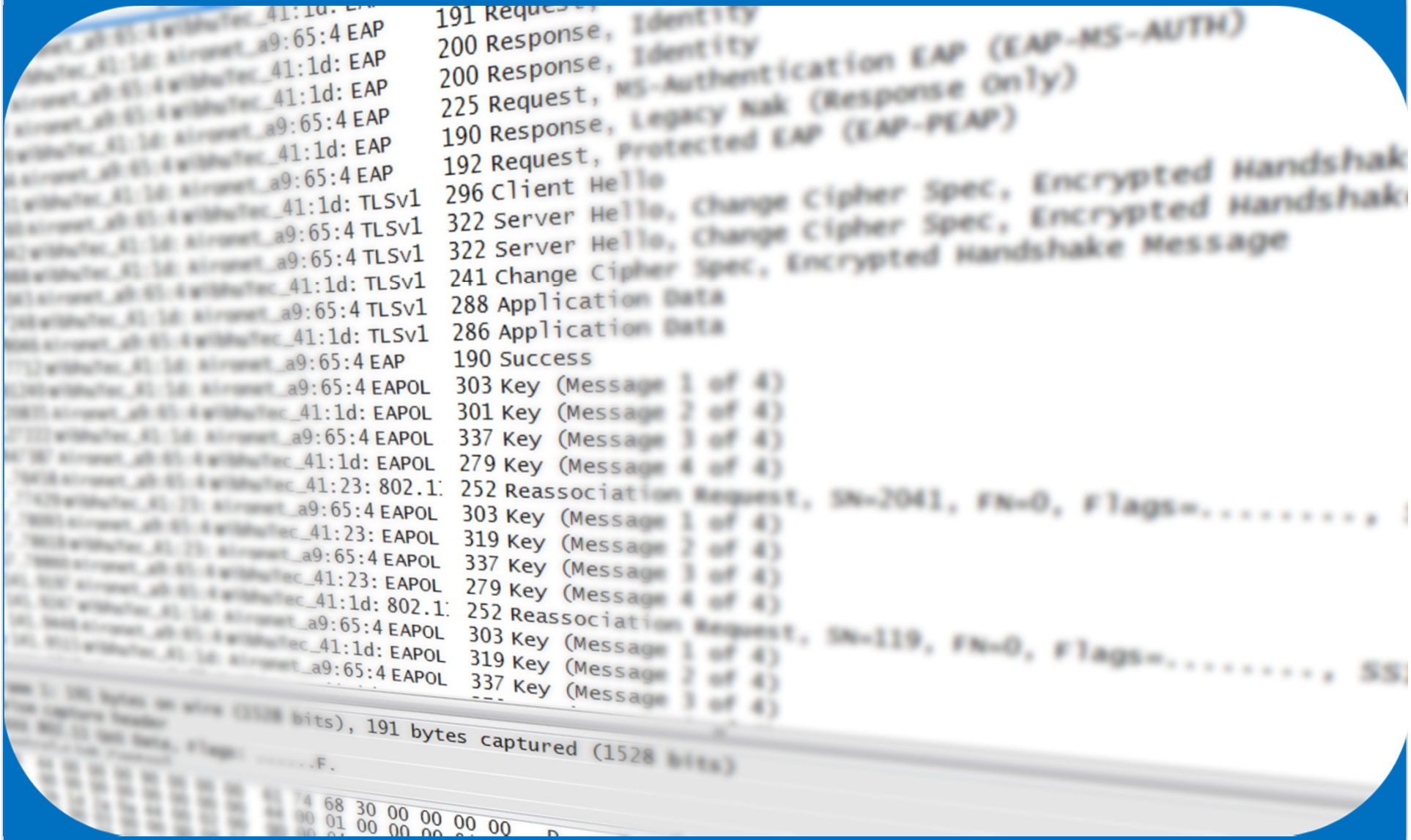
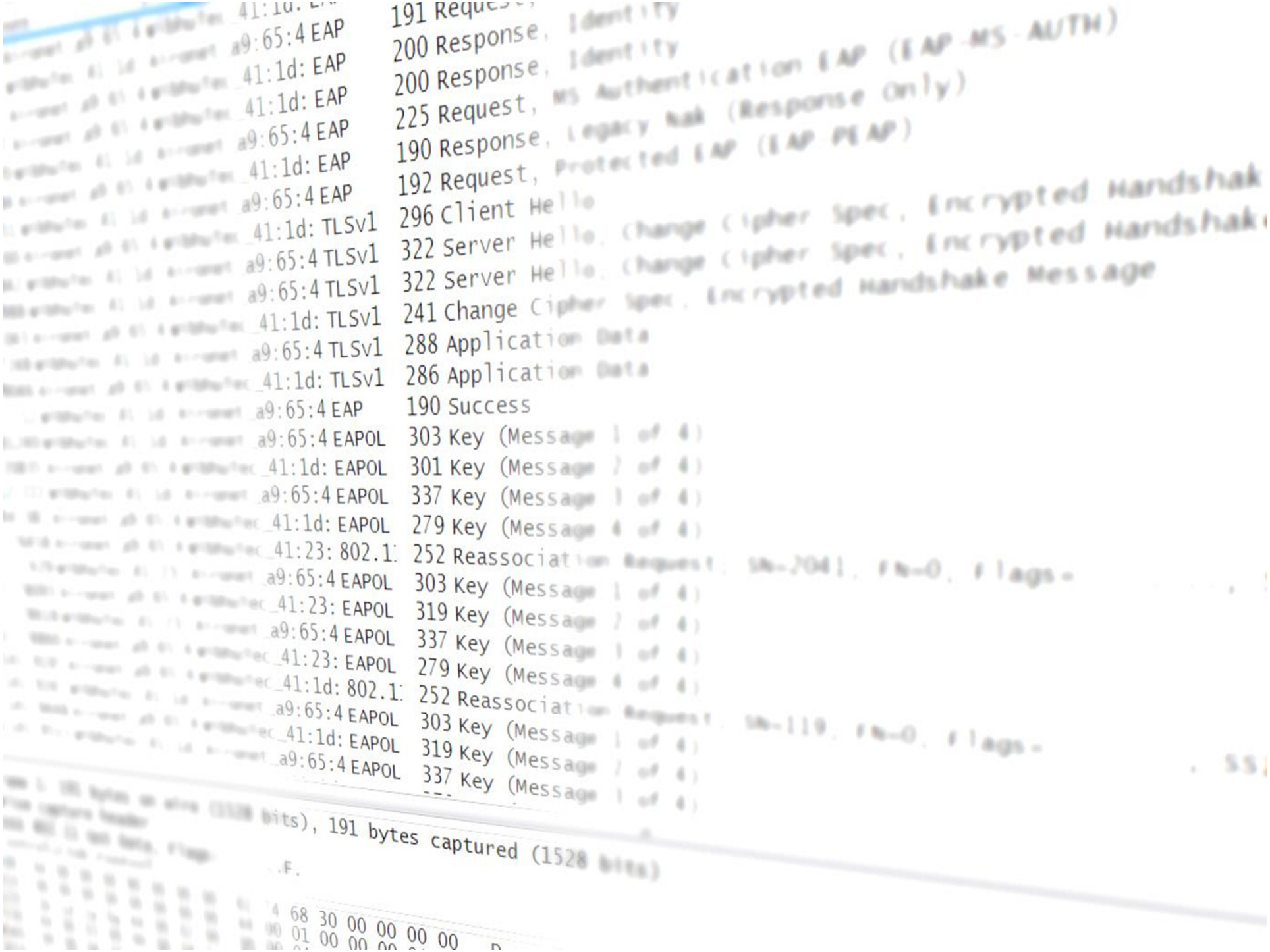
CWNP - 2014


This is how the Wi-Fi Troubleshooting
world appears without @Wizshark …

A Typical Wi-Fi Connectivity Issue




191 Request, Identity
200 Response, Identity
200 Response, MS-Authentication EAP (EAP-MS-AUTH)
225 Request, Legacy Nak (Response Only)
190 Response, Protected EAP (EAP-PEAP)
192 Request, EAP
296 Client Hello
322 Server Hello, Change Cipher Spec, Encrypted Handshak
322 Server Hello, Change Cipher Spec, Encrypted Handshak
241 Change Cipher Spec, Encrypted Handshake Message
288 Application Data
286 Application Data
190 Success
303 Key (Message 1 of 4)
301 Key (Message 2 of 4)
337 Key (Message 3 of 4)
279 Key (Message 4 of 4)
252 Reassociation Request, SN=2041, FN=0, Flags=.....
303 Key (Message 1 of 4)
319 Key (Message 2 of 4)
337 Key (Message 3 of 4)
279 Key (Message 4 of 4)
252 Reassociation Request, SN=119, FN=0, Flags=.....
303 Key (Message 1 of 4)
319 Key (Message 2 of 4)
337 Key (Message 3 of 4)
191 bytes captured (1528 bits)


191 Reque
a9:65:4 EAP 200 Response, Identity
41:1d: EAP 200 Response, Identity
41:1d: EAP 225 Request, MS Authentication EAP (EAP-MS-AUTH)
a9:65:4 EAP 190 Response, Legacy Nak (Response Only)
41:1d: EAP 192 Request, Protected EAP (EAP-PEAP)
a9:65:4 EAP 296 Client Hello
41:1d: TLSv1 322 Server Hello, Change Cipher Spec, Encrypted Handshak
a9:65:4 TLSv1 322 Server Hello, Change Cipher Spec, Encrypted Handshak
a9:65:4 TLSv1 241 Change Cipher Spec, Encrypted Handshake Message
41:1d: TLSv1 288 Application Data
a9:65:4 TLSv1 286 Application Data
41:1d: TLSv1 190 Success
a9:65:4 EAP 303 Key (Message 1 of 4)
a9:65:4 EAPOL 301 Key (Message 2 of 4)
41:1d: EAPOL 337 Key (Message 3 of 4)
a9:65:4 EAPOL 279 Key (Message 4 of 4)
41:1d: EAPOL 252 Reassociation Request, SN=2041, FN=0, Flags=
41:23: 802.1 303 Key (Message 1 of 4)
a9:65:4 EAPOL 319 Key (Message 2 of 4)
41:23: EAPOL 337 Key (Message 3 of 4)
a9:65:4 EAPOL 279 Key (Message 4 of 4)
41:23: EAPOL 252 Reassociation Request, SN=119, FN=0, Flags=
41:1d: 802.1 303 Key (Message 1 of 4)
a9:65:4 EAPOL 319 Key (Message 2 of 4)
41:1d: EAPOL 337 Key (Message 3 of 4)
a9:65:4 EAPOL
bits), 191 bytes captured (1528 bits)
.F.
4 68 30 00 00 00 00
00 01 00 00 00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Are You Suffering From *Packet Trace Fatigue*?

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A PICTURE IS WORTH A THOUSAND WORDS …

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A picture is **worth**
a ***thousand packets***
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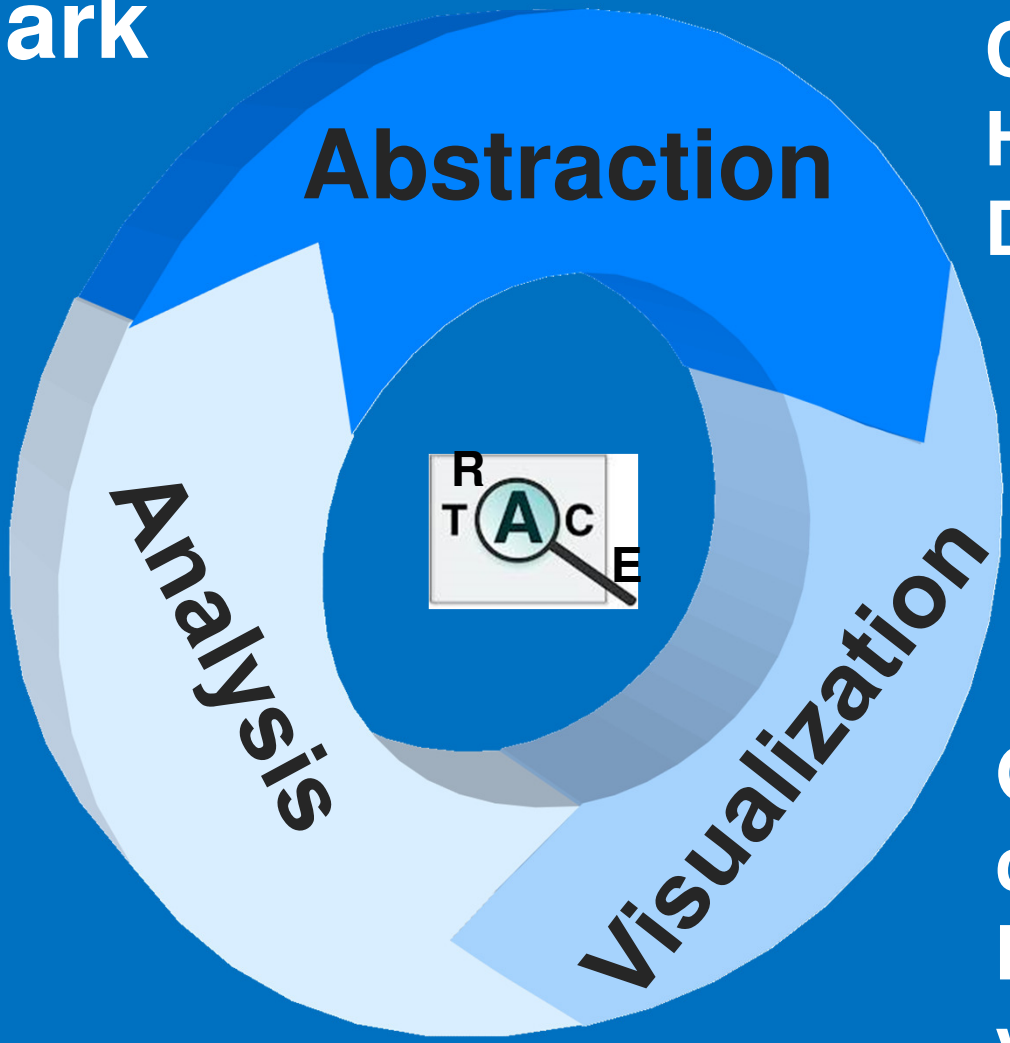
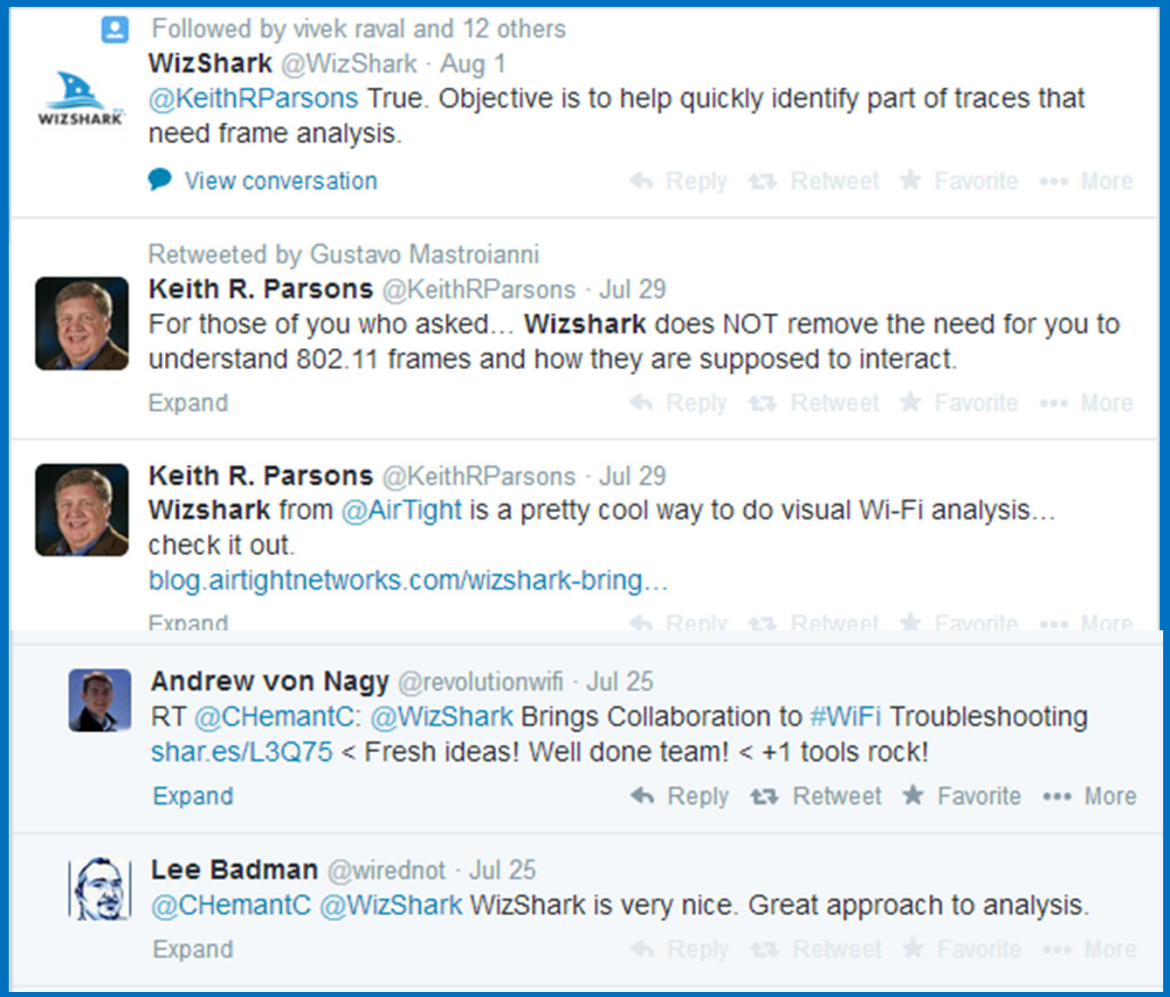


Failure messages
Connection Handshake
Data Rates

"What-if" Scenarios
Packet Range & Details

Graphs & charts
Multiple views
(AP & client)



Remember: We are NOT replacing the human brain or the need for knowledge

Providing better troubleshooting tools for making the process easy and enjoyable!

WizShark Demo

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4 Key Takeaways

- ✓ End-to-end remote troubleshooting from AirTight Cloud
- ✓ Troubleshooting from a mobile device
- ✓ Built-in trace sharing for collaboration
- ✓ Wi-Fi vendor agnostic -- supports PCAP family

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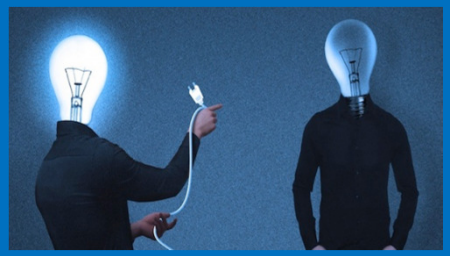
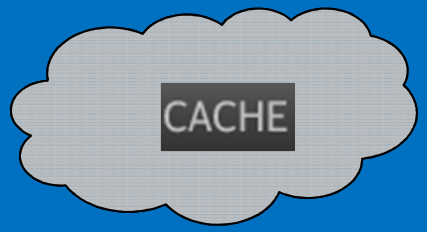
Collaboration Tool

Scalability



Education Tool

Vendor Agnostic



Caching of Traces and Views

MSP Value Added Service

Questions

Comments

Suggestions

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www.wizshark.net

Last Chance for Private Beta: Sign Up@ http://go.airtightnetworks.com/wizshark

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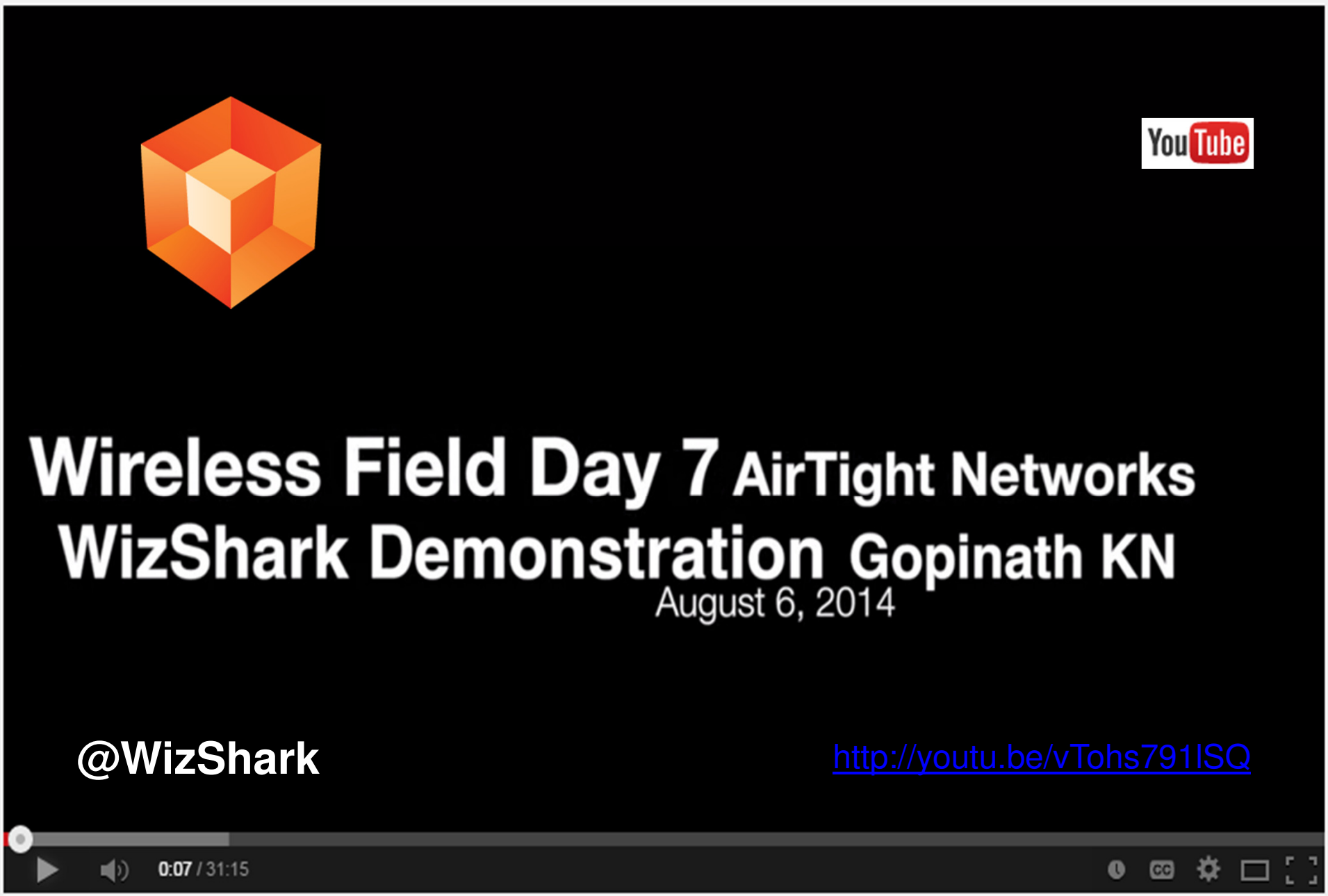

AirTight Networks WizShark Demonstration

blog.airtightnetworks.com

WIZSHARK BETA

A picture is worth a thousand **packets**

WizShark Brings Collaboration to Troubleshooting

AirTight offered early beta access to WizShark, our visual WiFi troubleshooting tool in cloud, and since then it has been a fun ride for the team. It

First Annual CWNP Conference

The First Annual CWNP Conference is fast approaching. Here at AirTight Networks, as participants and presenters, we're very excited about this

Wi-Fi Troubleshooting: Guilty until Proven Innocent

FILED UNDER: SUPPORT, WI-FI, WIFI ACCESS, WLAN NETWORKS, WLAN TROUBLESHOOTING SEPTEMBER 22, 2014 BY THE AIRTIGHT TEAM — LEAVE A COMMENT (EDIT)


Thank You!
@WizShark