

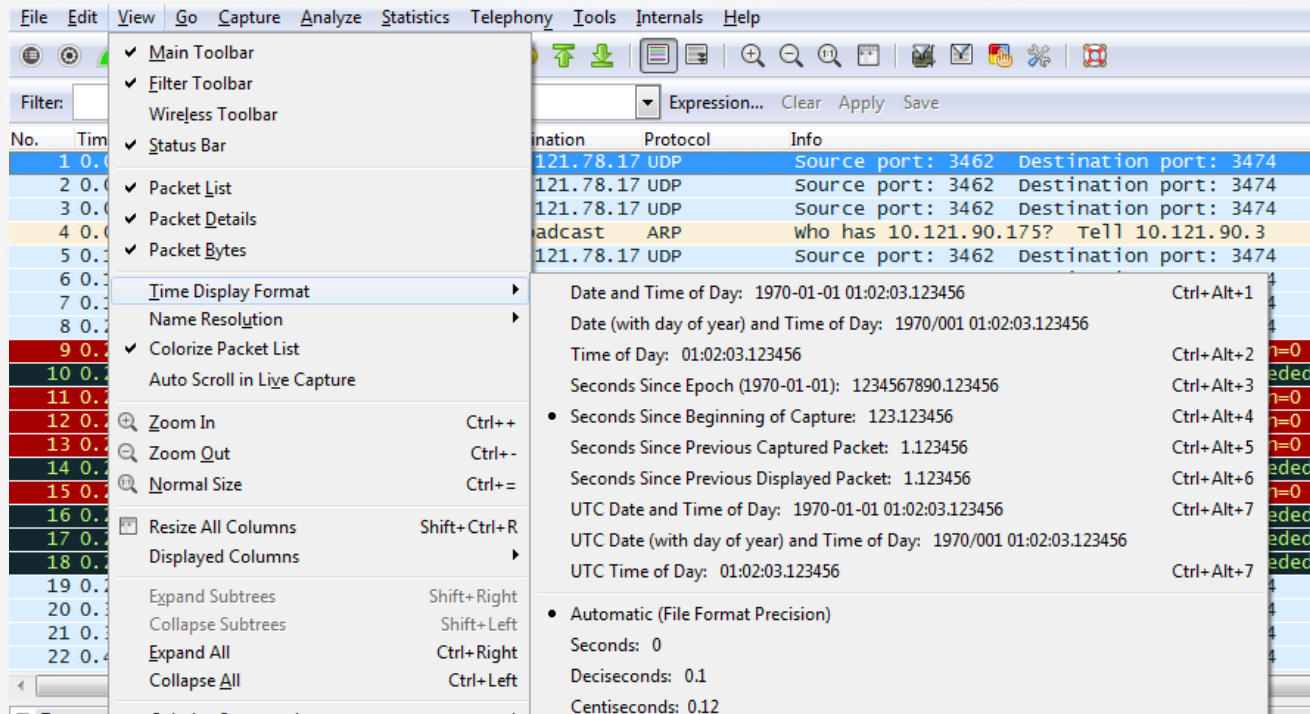


Setting Timestamps

Setting Timestamps

- » **What is a timestamp?**
- » **How are timestamps created in Wireshark?**
 - WinPcap or Libpcap
 - Part of the trace file
 - Marked with time of system
- » **What is a time format?**
 - Adjust time references to assist with troubleshooting

Setting Timestamps



The screenshot shows the Wireshark network protocol analyzer interface. The 'View' menu is open, and the 'Time Display Format' submenu is selected. The submenu lists various timestamp formats and their corresponding keyboard shortcuts. The main packet list shows several UDP packets from 121.78.17 to 10.121.90.3.

Option	Shortcut
Date and Time of Day: 1970-01-01 01:02:03.123456	Ctrl+Alt+1
Date (with day of year) and Time of Day: 1970/001 01:02:03.123456	
Time of Day: 01:02:03.123456	
Seconds Since Epoch (1970-01-01): 1234567890.123456	Ctrl+Alt+2
Seconds Since Beginning of Capture: 123.123456	Ctrl+Alt+3
Seconds Since Previous Captured Packet: 1.123456	Ctrl+Alt+4
Seconds Since Previous Displayed Packet: 1.123456	Ctrl+Alt+5
UTC Date and Time of Day: 1970-01-01 01:02:03.123456	Ctrl+Alt+6
UTC Date (with day of year) and Time of Day: 1970/001 01:02:03.123456	Ctrl+Alt+7
UTC Time of Day: 01:02:03.123456	
Automatic (File Format Precision)	
Seconds: 0	
Deciseconds: 0.1	
Centiseconds: 0.12	

Setting Timestamps


» What are timestamps used for?

- Troubleshooting application time issues
- Latency, congestion issues, etc.
- Other

» What is a time reference?

- Ability to toggle different ways to view time to assist in troubleshooting effort

Setting Timestamps

File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help							
							
Filter:		udp		Expression... Clear Apply Save			
No.	Time	Source	Destination	Protocol	Info		
1	0.000000000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
2	0.040009000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
3	0.079945000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
5	0.120671000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
6	0.159871000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
7	*REF*	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
8	0.040050000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
19	0.079931000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
20	0.119985000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
21	0.165337000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
22	0.200040000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	
23	0.240334000	10.170.141.109	10.121.78.17	UDP	Source port: 3462	Destination port: 3474	

Questions?