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Lab Report

Week 4

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Screenshots

Non-persistent (Max Keep Alive = 0)

Wireshark interface showing a capture of HTTP traffic. The filter is set to 'http'. The packet list shows 15 packets, all of which are GET requests. The packet details pane shows the structure of the selected packet (Frame 700), including Ethernet II, Internet Protocol Version 6, Transmission Control Protocol, and Hypertext Transfer Protocol. The packet bytes pane shows the raw data of the selected packet.

No.	Time	Source	Destination	Protocol	Length	Info
700	51.378880135	:::1	:::1	HTTP	553	GET / HTTP/1.1
702	51.378880135	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
704	51.462690823	:::1	:::1	HTTP	483	GET /1.jpg HTTP/1.1
710	51.462884265	:::1	:::1	HTTP	483	GET /2.jpg HTTP/1.1
895	51.475709219	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
908	51.476469801	:::1	:::1	HTTP	483	GET /3.jpg HTTP/1.1
910	51.476554403	:::1	:::1	HTTP	483	GET /4.jpg HTTP/1.1
912	51.476615257	:::1	:::1	HTTP	483	GET /5.jpg HTTP/1.1
957	51.478480676	:::1	:::1	HTTP	483	GET /6.jpg HTTP/1.1
1236	51.493807014	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
1270	51.530715711	:::1	:::1	HTTP	483	GET /9.jpg HTTP/1.1
1303	51.553544610	:::1	:::1	HTTP	483	GET /8.jpg HTTP/1.1
1328	51.556270800	:::1	:::1	HTTP	14420	HTTP/1.1 200 OK (JPEG JFIF image)
1329	51.557687201	:::1	:::1	HTTP	483	GET /7.jpg HTTP/1.1
1358	51.590693904	:::1	:::1	HTTP	484	GET /10.jpg HTTP/1.1

Frame 700: 553 bytes on wire (4424 bits), 553 bytes captured (4424 bits) on interface 0
Linux cooked capture
Internet Protocol Version 6, Src: ::1, Dst: ::1
Transmission Control Protocol, Src Port: 33528, Dst Port: 80, Seq: 1, Ack: 1, Len: 465
Hypertext Transfer Protocol

any: <live capture in progress> Packets: 1396 · Displayed: 15 (1.1%) Profile: Default

Max Keep Alive = 2

Wireshark interface showing a capture of HTTP traffic. The filter is set to 'http'. The packet list shows 19 packets, all of which are GET requests. The packet details pane shows the structure of the selected packet (Frame 42), including Ethernet II, Internet Protocol Version 6, Transmission Control Protocol, and Hypertext Transfer Protocol. The packet bytes pane shows the raw data of the selected packet.

No.	Time	Source	Destination	Protocol	Length	Info
42	7.851652088	:::1	:::1	HTTP	553	GET / HTTP/1.1
44	7.851652088	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
46	7.881339009	:::1	:::1	HTTP	483	GET /1.jpg HTTP/1.1
88	7.884519061	:::1	:::1	HTTP	483	GET /2.jpg HTTP/1.1
200	7.887897370	:::1	:::1	HTTP	483	GET /3.jpg HTTP/1.1
240	7.888431515	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
258	7.889733579	:::1	:::1	HTTP	483	GET /4.jpg HTTP/1.1
260	7.889816303	:::1	:::1	HTTP	483	GET /5.jpg HTTP/1.1
262	7.889866387	:::1	:::1	HTTP	483	GET /6.jpg HTTP/1.1
353	7.893772039	:::1	:::1	HTTP	17472	HTTP/1.1 200 OK (JPEG JFIF image)
495	7.898192570	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
524	7.899021295	:::1	:::1	HTTP	5316	HTTP/1.1 200 OK (JPEG JFIF image)
620	8.149136329	:::1	:::1	HTTP	483	GET /9.jpg HTTP/1.1
648	8.163298896	:::1	:::1	HTTP	484	GET /10.jpg HTTP/1.1
649	8.163381189	:::1	:::1	HTTP	483	GET /7.jpg HTTP/1.1
675	8.434056471	:::1	:::1	HTTP	483	GET /8.jpg HTTP/1.1
696	8.435727043	:::1	:::1	HTTP	14385	HTTP/1.1 200 OK (JPEG JFIF image)
729	15.209902810	:::1	:::1	HTTP	174	OPTIONS * HTTP/1.0
732	15.209995387	:::1	:::1	HTTP	214	HTTP/1.1 200 OK

Frame 42: 553 bytes on wire (4424 bits), 553 bytes captured (4424 bits) on interface 0
Linux cooked capture
Internet Protocol Version 6, Src: ::1, Dst: ::1
Transmission Control Protocol, Src Port: 33542, Dst Port: 80, Seq: 1, Ack: 1, Len: 465
Hypertext Transfer Protocol

any: <live capture in progress> Packets: 741 · Displayed: 19 (2.6%) Profile: Default

Max Keep Alive = 4

Wireshark packet capture showing HTTP traffic. The capture is filtered by 'http'. The packet list shows a series of GET requests for various image files, with the last one being an OPTIONS request. The packet details pane shows the selected packet (No. 729) and its details, including the Hypertext Transfer Protocol section. The status bar at the bottom indicates 'Packets: 730 · Displayed: 21 (2.9%)'.

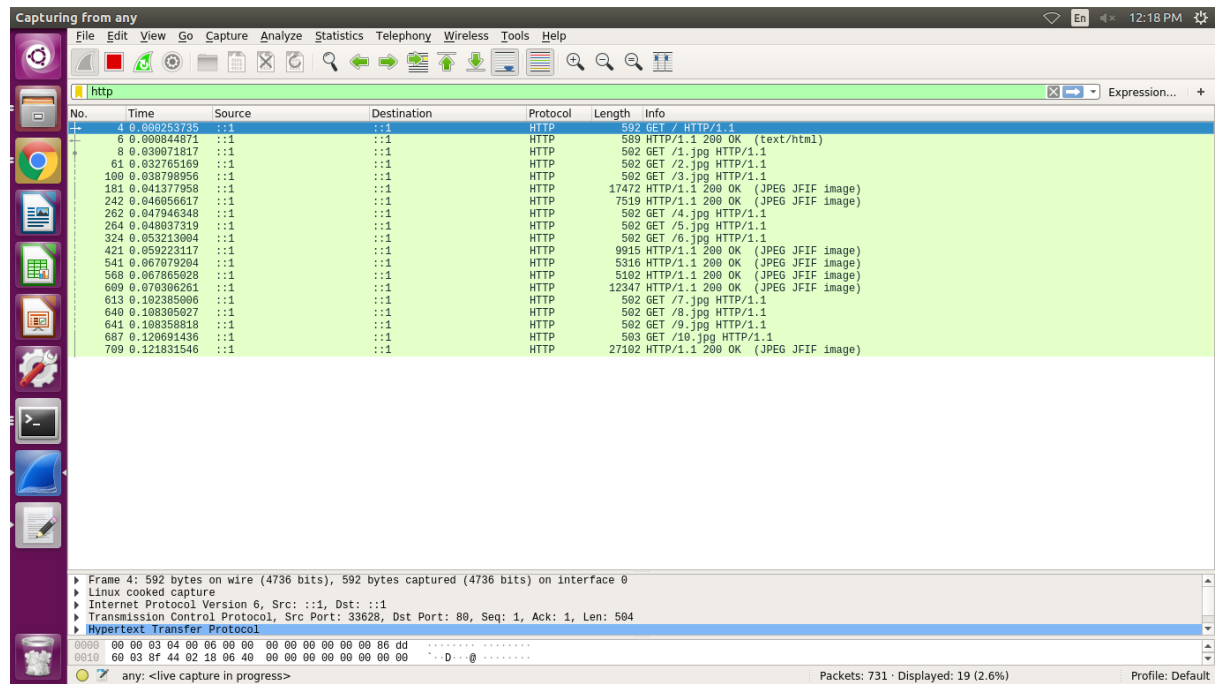
No.	Time	Source	Destination	Protocol	Length	Info
4	0.009123737	:::1	:::1	HTTP	592	GET / HTTP/1.1
6	0.009507017	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
8	0.013803904	:::1	:::1	HTTP	502	GET /1.jpg HTTP/1.1
75	0.013939730	:::1	:::1	HTTP	502	GET /2.jpg HTTP/1.1
102	0.021297627	:::1	:::1	HTTP	502	GET /3.jpg HTTP/1.1
125	0.022629650	:::1	:::1	HTTP	502	GET /4.jpg HTTP/1.1
127	0.022703572	:::1	:::1	HTTP	502	GET /5.jpg HTTP/1.1
189	0.030881582	:::1	:::1	HTTP	502	GET /6.jpg HTTP/1.1
246	0.032897677	:::1	:::1	HTTP	17472	HTTP/1.1 200 OK (JPEG JFIF image)
501	0.042725438	:::1	:::1	HTTP	5316	HTTP/1.1 200 OK (JPEG JFIF image)
528	0.043567169	:::1	:::1	HTTP	5102	HTTP/1.1 200 OK (JPEG JFIF image)
552	0.044121652	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
569	0.044504233	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
597	0.083921199	:::1	:::1	HTTP	502	GET /7.jpg HTTP/1.1
619	0.086147413	:::1	:::1	HTTP	502	GET /8.jpg HTTP/1.1
639	0.087846292	:::1	:::1	HTTP	502	GET /9.jpg HTTP/1.1
673	0.099162864	:::1	:::1	HTTP	25769	HTTP/1.1 200 OK (JPEG JFIF image)
677	0.103813614	:::1	:::1	HTTP	503	GET /10.jpg HTTP/1.1
700	0.105051763	:::1	:::1	HTTP	27102	HTTP/1.1 200 OK (JPEG JFIF image)
726	7.134928122	:::1	:::1	HTTP	174	OPTIONS * HTTP/1.0
729	7.135213100	:::1	:::1	HTTP	214	HTTP/1.1 200 OK

Max Keep Alive = 6

Wireshark packet capture showing HTTP traffic. The capture is filtered by 'http'. The packet list shows a series of GET requests for various image files, with the last one being an OPTIONS request. The packet details pane shows the selected packet (No. 750) and its details, including the Hypertext Transfer Protocol section. The status bar at the bottom indicates 'Packets: 751 · Displayed: 21 (2.8%)'.

No.	Time	Source	Destination	Protocol	Length	Info
4	0.009119759	:::1	:::1	HTTP	592	GET / HTTP/1.1
6	0.009411843	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
14	0.018205307	:::1	:::1	HTTP	502	GET /1.jpg HTTP/1.1
68	0.021897459	:::1	:::1	HTTP	502	GET /2.jpg HTTP/1.1
107	0.026711081	:::1	:::1	HTTP	502	GET /3.jpg HTTP/1.1
189	0.031850827	:::1	:::1	HTTP	502	GET /4.jpg HTTP/1.1
191	0.031948528	:::1	:::1	HTTP	502	GET /5.jpg HTTP/1.1
268	0.030887615	:::1	:::1	HTTP	502	GET /6.jpg HTTP/1.1
333	0.043951193	:::1	:::1	HTTP	17472	HTTP/1.1 200 OK (JPEG JFIF image)
388	0.047840370	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
463	0.050358683	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
543	0.053683198	:::1	:::1	HTTP	5316	HTTP/1.1 200 OK (JPEG JFIF image)
570	0.054434436	:::1	:::1	HTTP	5102	HTTP/1.1 200 OK (JPEG JFIF image)
606	0.056109169	:::1	:::1	HTTP	12347	HTTP/1.1 200 OK (JPEG JFIF image)
610	0.091836935	:::1	:::1	HTTP	502	GET /7.jpg HTTP/1.1
638	0.093805465	:::1	:::1	HTTP	502	GET /8.jpg HTTP/1.1
639	0.093872379	:::1	:::1	HTTP	502	GET /9.jpg HTTP/1.1
695	0.113129642	:::1	:::1	HTTP	503	GET /10.jpg HTTP/1.1
722	0.114652864	:::1	:::1	HTTP	27137	HTTP/1.1 200 OK (JPEG JFIF image)
747	7.631192186	:::1	:::1	HTTP	174	OPTIONS * HTTP/1.0
750	7.631276780	:::1	:::1	HTTP	214	HTTP/1.1 200 OK

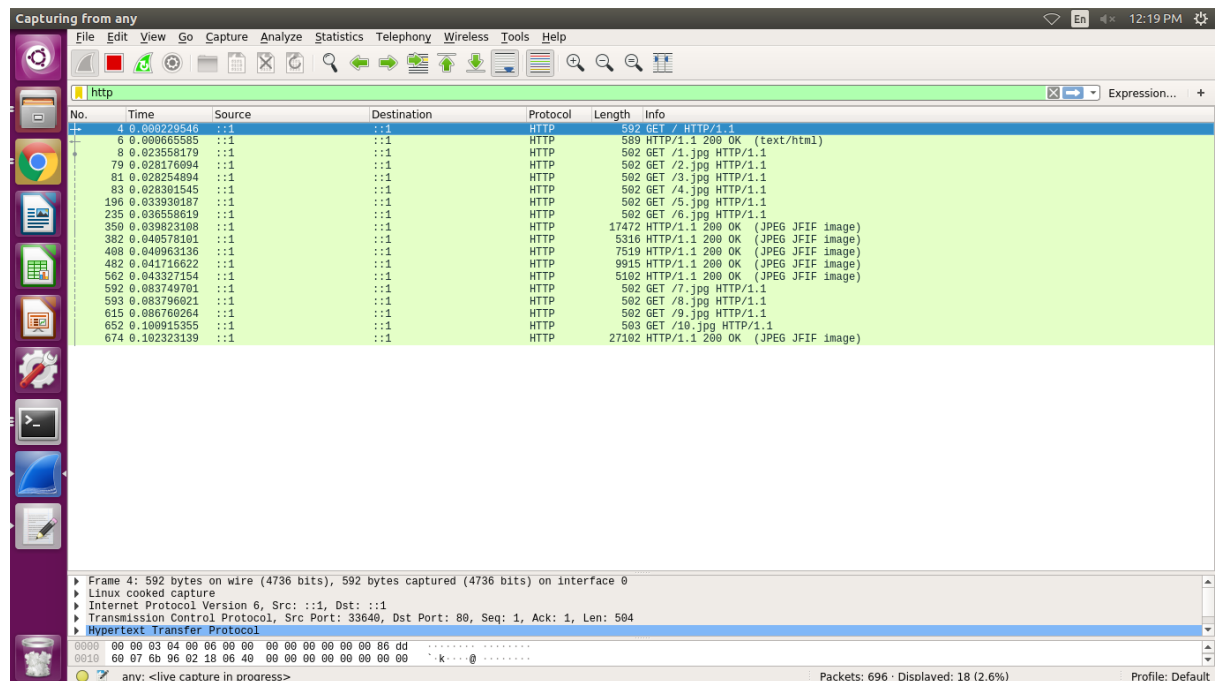
Max Keep Alive = 8



The screenshot shows a Wireshark capture of HTTP traffic. The packet list displays 19 packets, all of which are GET requests for various resources (HTML, JPEG images). The packet details pane shows the selected packet (No. 4) as a GET request for / HTTP/1.1. The packet bytes pane shows the raw data of the selected packet. The status bar at the bottom indicates that 731 packets were captured, with 19 displayed (2.6%).

No.	Time	Source	Destination	Protocol	Length	Info
4	0.009253735	:::1	:::1	HTTP	592	GET / HTTP/1.1
6	0.009844871	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
8	0.030971817	:::1	:::1	HTTP	502	GET /1.jpg HTTP/1.1
61	0.032765169	:::1	:::1	HTTP	502	GET /2.jpg HTTP/1.1
100	0.038798956	:::1	:::1	HTTP	502	GET /3.jpg HTTP/1.1
181	0.041377958	:::1	:::1	HTTP	17472	HTTP/1.1 200 OK (JPEG JFIF image)
242	0.046056617	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
262	0.047946348	:::1	:::1	HTTP	502	GET /4.jpg HTTP/1.1
264	0.048037319	:::1	:::1	HTTP	502	GET /5.jpg HTTP/1.1
324	0.053213004	:::1	:::1	HTTP	502	GET /6.jpg HTTP/1.1
421	0.059223117	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
541	0.067679204	:::1	:::1	HTTP	5316	HTTP/1.1 200 OK (JPEG JFIF image)
565	0.067865029	:::1	:::1	HTTP	5102	HTTP/1.1 200 OK (JPEG JFIF image)
609	0.079306261	:::1	:::1	HTTP	12347	HTTP/1.1 200 OK (JPEG JFIF image)
613	0.102385006	:::1	:::1	HTTP	502	GET /7.jpg HTTP/1.1
640	0.108305027	:::1	:::1	HTTP	502	GET /8.jpg HTTP/1.1
641	0.108358818	:::1	:::1	HTTP	502	GET /9.jpg HTTP/1.1
687	0.120601436	:::1	:::1	HTTP	503	GET /10.jpg HTTP/1.1
709	0.121831546	:::1	:::1	HTTP	27102	HTTP/1.1 200 OK (JPEG JFIF image)

Max Keep Alive = 10



The screenshot shows a Wireshark capture of HTTP traffic. The packet list displays 18 packets, all of which are GET requests for various resources (HTML, JPEG images). The packet details pane shows the selected packet (No. 4) as a GET request for / HTTP/1.1. The packet bytes pane shows the raw data of the selected packet. The status bar at the bottom indicates that 696 packets were captured, with 18 displayed (2.6%).

No.	Time	Source	Destination	Protocol	Length	Info
4	0.009229546	:::1	:::1	HTTP	592	GET / HTTP/1.1
6	0.009665585	:::1	:::1	HTTP	589	HTTP/1.1 200 OK (text/html)
8	0.023558179	:::1	:::1	HTTP	502	GET /1.jpg HTTP/1.1
79	0.028176094	:::1	:::1	HTTP	502	GET /2.jpg HTTP/1.1
81	0.028254894	:::1	:::1	HTTP	502	GET /3.jpg HTTP/1.1
83	0.028301545	:::1	:::1	HTTP	502	GET /4.jpg HTTP/1.1
196	0.033930187	:::1	:::1	HTTP	502	GET /5.jpg HTTP/1.1
235	0.036550619	:::1	:::1	HTTP	502	GET /6.jpg HTTP/1.1
350	0.039823108	:::1	:::1	HTTP	17472	HTTP/1.1 200 OK (JPEG JFIF image)
382	0.040578101	:::1	:::1	HTTP	5316	HTTP/1.1 200 OK (JPEG JFIF image)
408	0.040963136	:::1	:::1	HTTP	7519	HTTP/1.1 200 OK (JPEG JFIF image)
482	0.041716022	:::1	:::1	HTTP	9915	HTTP/1.1 200 OK (JPEG JFIF image)
562	0.043327154	:::1	:::1	HTTP	5102	HTTP/1.1 200 OK (JPEG JFIF image)
592	0.083749701	:::1	:::1	HTTP	502	GET /7.jpg HTTP/1.1
593	0.083796021	:::1	:::1	HTTP	502	GET /8.jpg HTTP/1.1
615	0.086760264	:::1	:::1	HTTP	502	GET /9.jpg HTTP/1.1
652	0.100915355	:::1	:::1	HTTP	503	GET /10.jpg HTTP/1.1
674	0.102323139	:::1	:::1	HTTP	27102	HTTP/1.1 200 OK (JPEG JFIF image)