

ASSIGNMENT-2

1. Map 7-layer OSI model into the protocols you see on a wireshark capture

No.	Time	Source	Destination	Protocol	Length	Info
4195	41.891378833	117.18.237.29	192.168.214.130	OCSP	853	Response
4387	48.788724666	192.168.214.130	117.18.237.29	OCSP	425	Request
4397	48.863710822	117.18.237.29	192.168.214.130	OCSP	853	Response
4636	58.590522813	192.168.214.130	117.18.237.29	OCSP	425	Request
4638	58.623831811	117.18.237.29	192.168.214.130	OCSP	853	Response
5849	117.843535504	192.168.214.130	173.222.30.171	HTTP	1475	GET /content/ieee-org/en/error/404.html/ HTTP/1.1
5868	118.079930028	192.168.214.130	117.18.237.29	OCSP	425	Request
5870	118.121895181	173.222.30.171	192.168.214.130	HTTP	251	HTTP/1.1 302 Moved Temporarily
5872	118.123870679	117.18.237.29	192.168.214.130	OCSP	853	Response
5921	118.690291228	192.168.214.130	151.101.154.133	OCSP	439	Request
5925	118.724432752	151.101.154.133	192.168.214.130	OCSP	809	Response
5981	119.616030074	192.168.214.130	117.18.237.29	OCSP	425	Request
5988	119.648290505	117.18.237.29	192.168.214.130	OCSP	853	Response
6045	120.326427043	192.168.214.130	117.18.237.29	OCSP	427	Request
6047	120.360680151	117.18.237.29	192.168.214.130	OCSP	853	Response

▶ Frame 5849: 1475 bytes on wire (11800 bits), 1475 bytes captured (11800 bits) on interface eth0, id 0 ➡ Physical Layer
▶ Ethernet II, Src: VMware_83:99:c0 (00:0c:29:83:99:c0), Dst: VMware_fa:76:d0 (00:50:56:fa:76:d0) ➡ Data Link Layer
▶ Internet Protocol Version 4, Src: 192.168.214.130, Dst: 173.222.30.171 ➡ Network Layer
▶ Transmission Control Protocol, Src Port: 60912, Dst Port: 80, Seq: 968, Ack: 163, Len: 1421 ➡ Transport Layer
▶ Hypertext Transfer Protocol

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Application Layer

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