

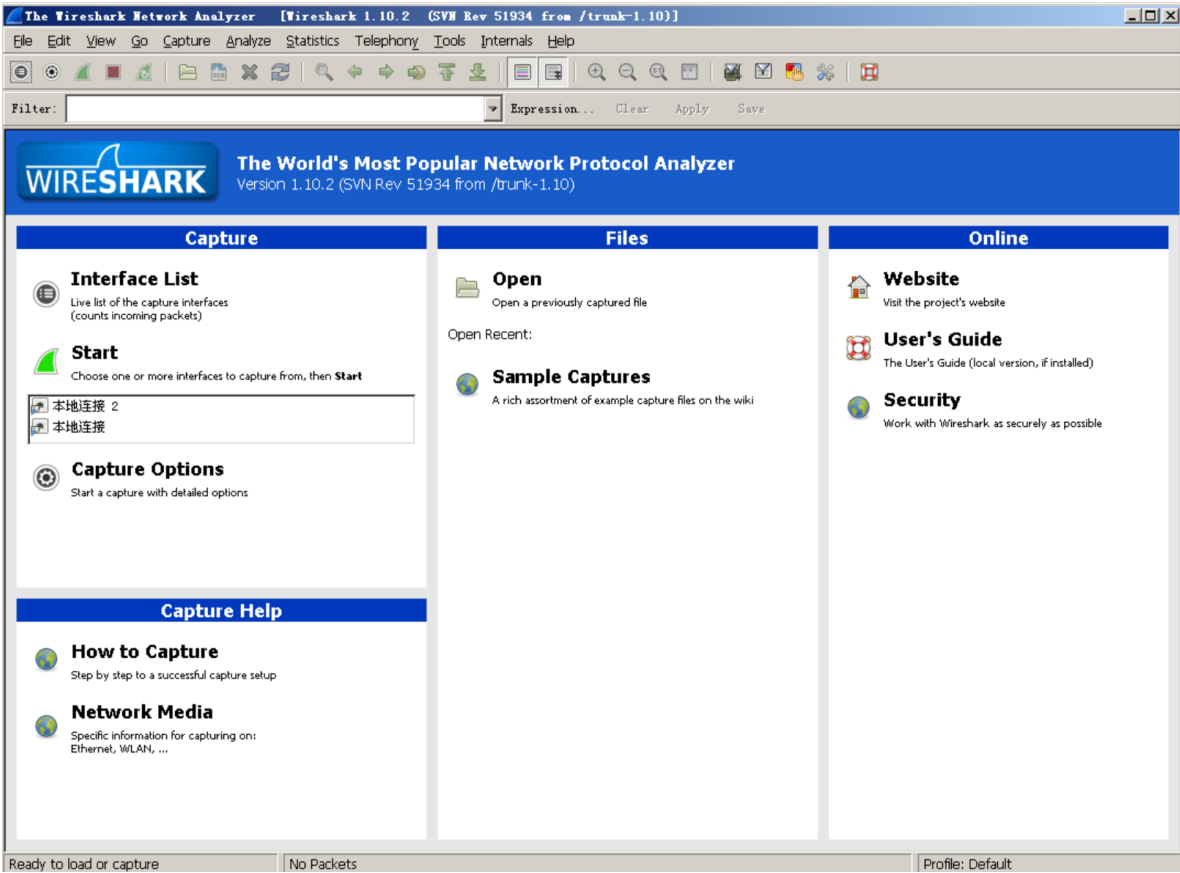
实验2 使用Wireshark分析报文

实验要求

- 1. 掌握网络协议分析器与仿真编辑器的使用方法；
- 2. 用 wireshark 分析以数据链路层、网络层和传输层的网络协议单元的结构、理解网络 协议的工作过程。

实验准备

Wireshark



上机实践

下面是使用Ubuntu来ping Windows Server的结果。

12	75.825437000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
13	76.826773000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
14	77.827611000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
15	194.826835000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
16	195.828084000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
17	196.828858000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
18	197.829948000	192.168.11.1	239.255.255.250	SSDP	215	M-SEARCH	*	HTTP/1.1
19	213.719262000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=1/256, ttl=64	
20	213.719276000	CadmusCo_79:50:be	Broadcast	ARP	42	who has 192.168.11.2?	Tell 192.168.11.3	
21	213.719558000	CadmusCo_55:53:c2	CadmusCo_79:50:be	ARP	60	192.168.11.2 is at 08:00:27:55:53:c2		
22	213.719564000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=1/256, ttl=128 (request in 19)	
23	214.745599000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=2/512, ttl=64 (reply in 24)	
24	214.745624000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=2/512, ttl=128 (request in 23)	
25	215.770807000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=3/768, ttl=64 (reply in 26)	
26	215.770821000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=3/768, ttl=128 (request in 25)	
27	216.812332000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=4/1024, ttl=64 (reply in 28)	
28	216.812335000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=4/1024, ttl=128 (request in 27)	
29	217.818073000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=5/1280, ttl=64 (reply in 30)	
30	217.818087000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=5/1280, ttl=128 (request in 29)	
31	218.839885000	192.168.11.2	192.168.11.3	ICMP	98	Echo (ping) request	id=0x0844, seq=6/1536, ttl=64 (reply in 32)	
32	218.839966000	192.168.11.3	192.168.11.2	ICMP	98	Echo (ping) reply	id=0x0844, seq=6/1536, ttl=128 (request in 31)	

