# **Authors**

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# **Summary**

This project was made for the Computer Networks class of the Degree in Informatics Engineering and Computation at the Faculty of Engeneering of the University of Porto.

All objectives were completed.

# Introduction

The two main components of the project were the development of a download application that uses FTP (File Transfer Protocol) and the configuration of a network made up of 3 computers, a switch (with 2 Virtual Local Area Networks) and a router.

This report pertains to both parts of the project

# Part 1 - Download Application

Command line format:

```
download ftp://[<username>:<password>@]<host>/<url-path>
```

The download application parses the username, password, host and path from the specified URL (if the username and password aren't specified the application will attempt an anonymous login). The application finds the IP address for the specified host and connects to it using a socket on port 21. After connecting it will log into the server and enter passive mode. The application will then fork into two processes which will give the retrieve command and open another socket to the server on the port specified in the answer to entering passive mode respectively. The application only exits once the download is completed.

# Part 2 - Network Configuration

### EXP1

Network architecture, experiment objectives, main configuration commands

First of all, we need to restart the network settings on TUXs and restart the switch to the startup config.

To configure Tux3 and Tux4, we use:

```
ifconfig eth0 up // Connect the eth0
ifconfig eth0 [ip-address] // ip-address: tux3 = 172.16.40.1/24 & tux4 = 172.16.40.254/24
ifconfig // To check, if everything is setup correctly
```

Check connectivity and capture using wireshark.

What are ARP packets and what are they used for?

ARP (Address Resolution Protocol) packets allow for the translation of IP (Internet Protocol) addresses to MAC (Media Access Control) addresses. This is needed since to send a frame to another interface, an interface needs to know its MAC address but an IP

address is convenient way to refer to an interface.

What are the MAC and IP addresses of ARP packets and why?

Both MAC addresses and IP addresses uniquely define a device on the internet. The MAC address ensures the physical address of an interface, the IP address identifies the connection of the interface with the network.

What packets does the ping command generate?

ping generates ICMP (Internet Control Message Protocol) packets.

What are the MAC and IP Addresses of the ping packets?

#### Tux43

MAC - 00:21:5a:61:2f:13

**IP** - 172.16.40.1

#### Tux44

MAC - 00:21:5a:c3:78:76

**IP** - 172.16.40.254

How to determine if a receiving Ethernet frame is ARP, IP, ICMP?

By checking the type value in the Ethernet II we can discover its type, 0x0806 for ARP and 0x0800 for IPv4. To discover if an incoming frame has an ICMP layer we check its IPv4 field (the value should equal 0x01).

How to determine the length of a receiving frame?

For an ICMP packet we add the 14 bytes of the Ethernet II layer to the total length specified in the IPv4 layer. For ARP packets we add de Ethernet II layer length to the ARP layer length.

What is the loopback interface and why is it important?

A loopback interface is a logical, virtual interface. It is used to identify the device, it is the preferred method for this since it is always up.

### EXP2

Network architecture, experiment objectives, main configuration commands

To configure the Tux2, we use the same commands as in EXP1 for tuxes 3 and 4 (only changing the IP address).

Check the cables on switch and respective ports.

Then create and configure vlan40 and vlan41, with the corresponding ports.

Check connectivity and capture packets with wireshark: tux3 and tux4 can not reach tux2

How to configure vlan40?

After logging into the switch we must first create the VLAN. To do this we use the following commands:

configure terminal
vlan 40 // creates the VLAN with id 40
end

We must then add the correct interfaces to the VLAN:

```
configure terminal
interface fastethernet 0/1 // the 1 indicates the number of the ethernet port being used on the
switch, it should be a port that is connected to tux 43 or 44
switchport mode access
switchport access vlan 40 // add the the ethernet port
end

configure terminal
interface fastethernet 0/2
switchport mode access
switchport access vlan 40
end
```

After this we should have configured VLAN 40 correctly, to verify we can use:

```
show vlan id 40
```

How many broadcast domains are there? How can you conclude it from the logs?

There are two broadcast domains, one for each VLAN (172.16.40.255 and 172.16.41.255). We can conclude this since a ping from tux43 can reach both itself and tux44 (both in VLAN 40) but cannot reach tux42, in VLAN 41.

### EXP3

What does NAT do?

NAT stands for Network Address Translation and it is a way to map multiple private addresses to a public one before transferring information.

How to configure the DNS service at a host?

Alter the value of nameserver in /etc/resolv.conf

What packets are exchanged by DNS and what informations is transported?

DNS exchanges either TCP or UDP packets and these transport information related to the IP address of a ceratin domain name.

What ICMP packets are observed?

### Source

```
IP - 10.0.2.2 MAC - 52:54:00:12:35:02
```

#### Destination

```
IP - 10.0.2.15 MAC - 08:00:27:bc:e2:1a
```

#### EXP4

Network architecture, experiment objectives, main configuration commands

Connect tux4 to vlan41: configure eth1 from tux4 and add another port to vlan41.

Configure tux4: enable IP forwarding and disable ICMP echo ignore broadcast.

Configure routes in tux2 and tux3 to reach vlan40 and vlan41, respectively.

Check connectivity and capture packets using wireshark: tux2 and tux3 can now reach each other.

Restart router and check ethernet cables connections.

Add another port to vlan41 to reach router.

Configure the fastethernet ports to reach vlan41(inside) and internet(outside).

What information does an entry of the forwarding table contain?

An entry contains the destination IP address, the gateway IP address through which the data will be routed to the destination, the netmask, the route flags, a metric used to choose the fastest route, the number of references to the route, a count of route lookups and the interface to which packets will be sent.

What routes are there in the tuxes?

Each tux has a route to VLAN 40 and VLAN 41. The routes from tux42 to VLAN 41, tux 43 to VLAN 40, and tux 44 to both VLANs are routed through 0.0.0.0 (meaning they are direct routes with no need for hops). In the route from tux 42 to VLAN 40 the specified gateway is the IP address for the interface in tux 44 in VLAN 41, in tux 43 the route to VLAN 41 is routed through tux 44.

What ARP messages, and associated MAC addresses, are observed and why?

In the beginning all ARP tables are empty. After executing requests, the ARP table contains the required MAC addresses to reach the specified IPs in the request.

What are the IP and MAC addresses associated to ICMP packets and why?

The ICMP packets being transmitted are related to ping requests and replies.

# Testing the download application

After finishing the 4th experiment, we had an established connection to the internet and were able to demonstrate it through the download application.

# Conclusion

The project allowed us to configure a network and gain a better understanding of the workings of a computer network and the internet. We were also able to study and create a download application that uses FTP.

# **Annexes**

### Code

```
#include <sys/types.h>
#include <sys/socket.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <netdb.h>
#include <netinet/in.h>
#include <arpa/inet.h>
#include <unistd.h>
#include <termios.h>
#include <fcntl.h>
#include <stdbool.h>
#include <sys/wait.h>

struct User {
```

```
char * name;
    char * password;
};
enum message_type {
   USER,
   PASS,
   PASV,
    RETR
};
char * read_response(int sockfd) {
   char * ans = malloc(2048);
    size t n = 0;
   FILE * fp = fdopen(sockfd, "r");
   while (getline(&ans, &n, fp) != - 1)
        printf("%s", ans);
        if(ans[3] == ' ') break;
    }
   return ans;
}
int send_message(int sockfd, enum message_type type, char * info) {
    char buffer[256];
   memset(buffer, 0, sizeof(buffer));
   switch (type)
    case USER:
        snprintf(buffer, sizeof(buffer), "user %s\r\n", info);
        break;
    case PASS:
        snprintf(buffer, sizeof(buffer), "pass %s\r\n", info);
        break;
    case PASV:
        snprintf(buffer, sizeof(buffer), "pasv\r\n");
        break;
    case RETR:
        snprintf(buffer, sizeof(buffer), "retr %s\r\n", info);
        break;
    default:
        break;
   printf("%s\n", buffer);
   return send(sockfd, buffer, strlen(buffer), 0);
}
int check_response(char * response, enum message_type type) {
   switch (type)
    case USER:
        return strcmp("331 Please specify the password.\r\n", response) == 0;
    case PASS:
        return strcmp("230 Login successful.\r\n", response) == 0;
    case PASV:
        return strstr(response, "227 Entering Passive Mode") != NULL;
    case RETR:
        return strstr(response, "150 Opening BINARY mode data connection for") != NULL;
    default:
        return 0;
```

```
char * send and check message(int sockfd, enum message type type, char * info) {
   send_message(sockfd, type, info);
    char * ans = read_response(sockfd);
   if (check_response(ans, type)) {
        return ans;
    } else {
        free(ans);
        return NULL;
    }
}
void print usage() {
    printf("ftp://[<user>:<password>@]<host>/<url-path>\n");
}
int main(int argc, char ** argv) {
   if (argc < 2)
        print_usage();
    char info[256], temp[256];
    strncpy(info, argv[1] + 6, strlen(argv[1]) - 5);
   char * at;
   struct User user = {"anonymous", "password"};
   char host[256] = \{0\};
   char path[256] = \{0\};
   int host_index = 0;
   int path_index = 0;
   int info index = 0;
    if ((at = strstr(info, "@")) != NULL) {
        strcpy(temp, info);
        user.name = strtok(temp, ":");
        user.password = strtok(NULL, "@");
        strcpy(info, at+1);
    }
    printf("Username: %s, Password: %s\n", user.name, user.password);
   while(info[info_index] != '/') {
        host[host_index] = info[info_index];
        host_index++;
        info_index++;
    }
    info_index++;
   while(info[info_index] != '\0') {
        path[path_index] = info[info_index];
        path index++;
        info_index++;
    struct hostent *host_struct;
    if ((host_struct = gethostbyname(host)) == NULL) {
        herror("gethostbyname()");
        exit(-1);
```

```
int sockfd;
   struct sockaddr in server addr;
   char buf[256];
   size_t bytes;
   /*server address handling*/
   bzero((char *) &server_addr, sizeof(server_addr));
   server_addr.sin_family = AF_INET;
   server_addr.sin_addr.s_addr = inet_addr(inet_ntoa(*((struct in_addr *) host_struct->h_addr)));
/*32 bit Internet address network byte ordered*/
   server_addr.sin_port = htons(21);
                                        /*server TCP port must be network byte ordered */
   /*open a TCP socket*/
   if ((sockfd = socket(AF_INET, SOCK_STREAM, 0)) < 0) {</pre>
       perror("socket()");
       exit(-1);
   }
   /*connect to the server*/
   if (connect(sockfd,
                (struct sockaddr *) &server_addr,
                sizeof(server_addr)) < 0) {</pre>
       perror("connect()");
       exit(-1);
    }
   char * ans;
   int status;
   bool over = false;
   printf("Beginning conection\n");
   if ((ans = read response(sockfd)) == NULL) exit(-1);
   free(ans);
    printf("Connection established. Logging in\n");
   if ((ans = send_and_check_message(sockfd, USER, user.name)) == NULL) exit(-1);
   free(ans);
   if ((ans = send_and_check_message(sockfd, PASS, user.password)) == NULL) exit(-1);
   free(ans);
   printf("Logged in. Entering passive mode\n");
   if ((ans = send_and_check_message(sockfd, PASV, NULL)) == NULL) exit(-1);
    int n0, n1;
   printf("Ans: %s\n", ans);
   sscanf(ans, "227 Entering Passive Mode (%*d,%*d,%*d,%*d,%d)\r\n", &n0, &n1);
   free(ans);
   int port = n0 * 256 + n1;
   int id;
   printf("n0: %d, n1: %d, port: %d\n", n0, n1, port);
```

```
switch ((id = fork()))
   case 0:
       printf("Downloader proccess started\n");
       bzero((char *) &server_addr, sizeof(server_addr));
       server addr.sin family = AF INET;
        server_addr.sin_addr.s_addr = inet_addr(inet_ntoa(*((struct in_addr *) host_struct-
              /*32 bit Internet address network byte ordered*/
>h_addr)));
       server_addr.sin_port = htons(port);
                                                /*server TCP port must be network byte ordered
        /*open a TCP socket*/
        if ((sockfd = socket(AF_INET, SOCK_STREAM, 0)) < 0) {</pre>
            perror("socket()");
            exit(-1);
        /*connect to the server*/
        if (connect(sockfd,
                    (struct sockaddr *) &server_addr,
                    sizeof(server_addr)) < 0) {</pre>
            perror("connect()");
            exit(-1);
        }
        printf("Downloader: Connection established\n");
       char filename[256];
        int info_index = 0, filename_index = 0;
       while(1){
            char c = info[info_index++];
            if(c == ' \setminus 0') break;
            if(c == '/') {
                memset(filename, 0, sizeof(filename));
                filename_index = 0;
                continue;
            filename[filename_index] = c;
           filename_index++;
        }
        printf("Downloader: Filename: %s\n", filename);
        char packet[256];
       int bytes;
       int file_fd = open(filename, O_WRONLY | O_CREAT | O_TRUNC, 0777);
       while((bytes = recv(sockfd, packet, 256, 0)) > 0) {
           write(file_fd, packet, bytes);
       printf("Downloader: File downloaded\n");
        close(file_fd);
        break;
    default:
        printf("Parent: sending RETR message\n");
        send message(sockfd, RETR, path);
```

```
memset(ans, 0, 2048);

printf("Parent: Waiting for downloader to terminate\n");

waitpid(id, NULL, 0);

sleep(1);

recv(sockfd, ans, 2047, 0);

printf("%s\n", ans);

break;
}

return 0;
}
```

# Captures

# EXP 1

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
2	0.385897410	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. TC + Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
3	1.294283288	fe80::221:5aff:fec3:7876	ff02::fb	MDNS	180	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
4	2.390890029	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
5	3.707632118	fe80::221:5aff:fec3:7876	ff02::2	ICMPv6	70	Router Solicitation from 00:21:5a:c3:78:76
6	4.135611390	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	DTP	60	Dynamic Trunk Protocol
7	4.135709518	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	DTP	90	Dynamic Trunk Protocol
8	4.399666640	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
9	6.400555670	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
10	8.133191432	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/3
11	8.405484384	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
12	9.999213602	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
13	10.410315807	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
14	12.415295785	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
15	12.754355835	fe80::221:5aff:fe61:2f13	ff02::fb	MDNS	180	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
16	13.107394911	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=1/256, ttl=64 (reply in 17)
17	13.107548914	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=1/256, ttl=64 (request in 16)
18	14.136252012	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=2/512, ttl=64 (reply in 19)
19	14.136379684	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=2/512, ttl=64 (request in 18)
20	14.424090625	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
21	15.160257022	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=3/768, ttl=64 (reply in 22)
22	15.160388535	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=3/768, ttl=64 (request in 21)
23	16.184257562	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=4/1024, ttl=64 (reply in 24)
24	16.184388237	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=4/1024, ttl=64 (request in 23)
25	16.424995509	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
26	17.208261664	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=5/1280, ttl=64 (reply in 27)
27	17.208424257	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=5/1280, ttl=64 (request in 26)
28	18.232246838	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=6/1536, ttl=64 (reply in 29)
29	18.232374301	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=6/1536, ttl=64 (request in 28)
30	18.299617514	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	Who has 172.16.40.1? Tell 172.16.40.254
31	18.299625057	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	172.16.40.1 is at 00:21:5a:61:2f:13
32	18.429853542	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
33	19.256236273	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=7/1792, ttl=64 (reply in 34)
34	19.256362548	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=7/1792, ttl=64 (request in 33)
35	20.007025014	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
36	20.280241003	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=8/2048, ttl=64 (reply in 37)

No.	Time	Source	Destination	Protocol	Length	Info
37	20.280366161	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=8/2048, ttl=64 (request in 36)
38	20.434746148	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
39	21.304246223	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=9/2304, ttl=64 (reply in 40)
40	21.304390098	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=9/2304, ttl=64 (request in 39)
41	22.328267995	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7339, seq=10/2560, ttl=64 (reply in 42)
42	22.328430378	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7339, seq=10/2560, ttl=64 (request in 41)
43	22.439673185	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
44	24.448629012	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
45	26.396218234	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	Who has 172.16.40.254? Tell 172.16.40.1
46	26.396332287	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	172.16.40.254 is at 00:21:5a:c3:78:76
47	26.449442332	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/1/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
48	26.549917327	172.16.40.254	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question

	No.	Time	Source	Destination	Protocol	Length	Info
•	49	26.648223855	fe80::221:5aff:fe61:2f13	ff02::2	ICMPv6	70	Router Solicitation from 00:21:5a:61:2f:13

EXP 2

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
2	2.004834916	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
3	4.013713147	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
4	6.014613002	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
5	7.130235943	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
6	8.019450293	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
7	10.024386829	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
8	11.280413035	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=1/256, ttl=64 (reply in 9)
9	11.280576955	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=1/256, ttl=64 (request in 8)
10	12.033377996	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
11	12.287304283	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=2/512, ttl=64 (reply in 12)
12	12.287436774	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=2/512, ttl=64 (request in 11)
13	13.311315159	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=3/768, ttl=64 (reply in 14)
14	13.311449676	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=3/768, ttl=64 (request in 13)
15	14.034139144	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
16	14.335306270	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=4/1024, ttl=64 (reply in 17)
17	14.335465930	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=4/1024, ttl=64 (request in 16)
18	15.359311839	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=5/1280, ttl=64 (reply in 19)
19	15.359451384	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=5/1280, ttl=64 (request in 18)
20	16.039079382	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
21	16.383321458	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=6/1536, ttl=64 (reply in 22)
22	16.383452762	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=6/1536, ttl=64 (request in 21)
23	16.415275892	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	Who has 172.16.40.254? Tell 172.16.40.1
24	16.415394135	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	172.16.40.254 is at 00:21:5a:c3:78:76
25	16.514868428	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	Who has 172.16.40.1? Tell 172.16.40.254
26	16.514884283	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	172.16.40.1 is at 00:21:5a:61:2f:13
27	17.129482163	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
28	17.407305445	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=7/1792, ttl=64 (reply in 29)
29	17.407435632	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=7/1792, ttl=64 (request in 28)
30	18.043973314	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
31	18.431318697	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=8/2048, ttl=64 (reply in 32)
32	18.431447626	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=8/2048, ttl=64 (request in 31)
33	19.455318049	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=9/2304, ttl=64 (reply in 34)
34	19.455481480	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=9/2304, ttl=64 (request in 33)
35	20.048795728	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
36	20.479305528	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x7471, seq=10/2560, ttl=64 (reply in 37)

No.	Time	Source	Destination	Protocol	Length	Info
37	20.479439905	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7471, seq=10/2560, ttl=64 (request in 36)
38	21.491238070	172.16.40.254	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp-sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
39	22.057787593	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
40	24.058560405	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
41	26.063520548	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
42	27.137206201	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
43	28.068343031	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
44	30.073251840	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
45	32.082171977	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
46	34.083122887	Cisco_7c:8f:83	Spanning-tree- (for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

Tux 2

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
2	0.125746925	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
3	2.134568189	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002

No.	Time	Source	Destination	Protocol	Length	Info
4	4.135414460	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
5	6.140283253	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
6	8.145177538	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
7	10.007638993	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
8	10.150081532	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
9	12.159069787	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
10	14.160166998	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
11	16.164716406	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
12	18.169687517	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
13	20.007020833	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
14	20.174506723	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
15	22.183402578	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
16	23.043606090	172.16.41.1	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
17	24.184312405	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002

No.	Time	Source	Destination	Protocol	Length	Info
18	26.189164855	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
19	28.194047686	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
20	30.014585235	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
21	30.198926676	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
22	32.207871071	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
23	34.208783552	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
24	36.213633558	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
25	38.218476509	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
26	40.022236380	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
27	40.223359061	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
28	42.232348085	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
29	44.233184438	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
30	46.238019638	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
31	48.242956736	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
32	48.922812345	Cisco_7c:8f:82	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/2
33	50.034005311	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
34	50.247890691	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002

No.	Time	Source	Destination	Protocol	Length	Info
35	52.256731511	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
36	54.257576176	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
37	56.262469553	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
38	58.267368588	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
39	60.029214818	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
40	60.272268390	Cisco_7c:8f:82	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
41	62.281142804	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
42	64.282011215	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
43	66.286971710	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
44	68.291782185	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
45	70.040889044	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
46	70.296676331	Cisco_7c:8f:82	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
47	72.305808110	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
48	74.306489276	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
49	76.311333345	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
50	78.316220996	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
51	80.044497134	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
52	80.321106621	Cisco_7c:8f:82	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002

### Tux 3

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
2	0.973316331	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
3	2.004914746	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
4	4.009774944	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
5	6.018725253	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
6	8.019541088	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
7	10.024416023	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
8	10.980714624	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
9	12.029310235	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
10	14.034311445	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
11	16.043080792	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
12	18.044009422	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
13	18.866400730	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/3
14	20.048872624	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
15	20.992636960	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
16	22.053743788	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
17	24.058647638	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
18	26.067545216	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
19	28.068537263	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
20	30.073335581	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
21	30.995994940	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
22	32.078181881	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
23	34.083085940	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
24	36.092009150	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
25	38.092841887	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
26	40.098010649	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
27	40.999529972	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
28	42.102704693	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
29	44.107531297	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
30	46.116492990	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
31	48.117300584	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
32	50.122165881	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
33	51.002927833	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
34	52.127120576	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
35	54.131987968	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
36	56.140848879	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
37	58.141719121	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
38	60.146618640	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
39	61.010615554	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
40	62.151501328	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
41	64.156464195	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
42	66.165337747	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
43	68.166441821	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
44	70.171047794	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
45	71.018264721	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
46	72.175933275	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
47	74.180814985	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
48	75.097802164	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=1/256, ttl=64 (no response found!)

No.	Time	Source	Destination	Protocol	Length	Info
49	75.097974884	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=1/256, ttl=64
50	76.101696404	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=2/512, ttl=64 (no response found!)
51	76.101863467	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=2/512, ttl=64
52	76.190241200	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
53	77.125692265	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=3/768, ttl=64 (no response found!)
54	77.125859886	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=3/768, ttl=64
55	78.149690779	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=4/1024, ttl=64 (no response found!)
56	78.149860077	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=4/1024, ttl=64
57	78.194519262	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
58	78.874836534	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/3
59	79.173691878	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=5/1280, ttl=64 (no response found!)
60	79.173855728	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=5/1280, ttl=64
61	80.105313134	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	Who has 172.16.40.1? Tell 172.16.40.254
62	80.105332201	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	172.16.40.1 is at 00:21:5a:61:2f:13
63	80.195544973	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
64	80.197679287	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=6/1536, ttl=64 (no response found!)
65	80.197819321	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=6/1536, ttl=64
66	81.017669622	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
67	81.221691421	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=7/1792, ttl=64 (no response found!)
68	81.221843887	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=7/1792, ttl=64
69	82.200373254	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
70	82.245693776	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=8/2048, ttl=64 (no response found!)
71	82.245844776	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=8/2048, ttl=64
72	83.269692989	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=9/2304, ttl=64 (no response found!)
73	83.269862637	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=9/2304, ttl=64
74	84.205279199	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
75	84.293685847	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=10/2560, ttl=64 (no response found!)
76	84.293839220	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=10/2560, ttl=64
77	86.214154288	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
78	88.215081940	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

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No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
2	1.999464108	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
3	4.005334126	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
4	4.885067565	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
5	6.011115306	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
6	8.014847693	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
7	10.024438154	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
8	12.024029862	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
9	14.029833671	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
10	14.892744098	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
11	16.033771879	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
12	18.039572266	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
13	20.049294447	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
14	22.048832448	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
15	24.054607691	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
16	24.900391647	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
17	26.058382052	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
18	28.064264921	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
19	28.979876927	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=1/256, ttl=64 (no response found!)
20	28.979913873	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=1/256, ttl=64

No.	Time	Source	Destination	Protocol	Length	Info
21	29.983770228	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=2/512, ttl=64 (no response found!)
22	29.983803193	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=2/512, ttl=64
23	30.074071750	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
24	31.007765935	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=3/768, ttl=64 (no response found!)
25	31.007797573	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=3/768, ttl=64
26	32.031763319	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=4/1024, ttl=64 (no response found!)
27	32.031798519	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=4/1024, ttl=64
28	32.077811959	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
29	32.685319293	Cisco_7c:8f:84	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/4
30	33.055761191	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=5/1280, ttl=64 (no response found!)
31	33.055794436	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=5/1280, ttl=64
32	33.987247694	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	42	Who has 172.16.40.1? Tell 172.16.40.254
33	33.987387307	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	60	172.16.40.1 is at 00:21:5a:61:2f:13
34	34.077689668	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
35	34.079738880	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=6/1536, ttl=64 (no response found!)
36	34.079760461	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=6/1536, ttl=64
37	34.899793460	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
38	35.103754841	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=7/1792, ttl=64 (no response found!)

No.	Time	Source	Destination	Protocol	Length	Info
39	35.103783267	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=7/1792, ttl=64
40	36.083580987	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
41	36.127756206	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=8/2048, ttl=64 (no response found!)
42	36.127783235	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=8/2048, ttl=64
43	37.151764974	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=9/2304, ttl=64 (no response found!)
44	37.151799406	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=9/2304, ttl=64
45	38.087427285	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
46	38.175747132	172.16.40.1	172.16.40.255	ICMP	98	Echo (ping) request id=0x7507, seq=10/2560, ttl=64 (no response found!)
47	38.175776186	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7507, seq=10/2560, ttl=64
48	40.097311778	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
49	42.098940267	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
50	44.102497352	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
51	44.907349447	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
52	46.108372119	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
53	48.112032918	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
54	50.121701951	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
55	52.123360262	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

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No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
2	1.539271868	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
3	2.004777091	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
4	4.013789442	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
5	6.014581306	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
6	8.019708793	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
7	10.024327134	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
8	11.542856211	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
9	12.029263254	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
10	14.038158062	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
11	16.038988898	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
12	18.043881577	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
13	20.048788433	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
14	21.546222649	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
15	22.053647379	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
16	24.062604136	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
17	26.063429105	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
18	28.070388255	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
19	30.073194488	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
20	30.572663222	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=1/256, ttl=64 (no response found!)
21	31.549786110	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
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No.	Time	Source	Destination	Protocol	Length	Info
22	31.577836907	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=2/512, ttl=64 (no response found!)
23	32.078076412	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
24	32.601841961	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=3/768, ttl=64 (no response found!)
25	33.625838074	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=4/1024, ttl=64 (no response found!)
26	34.087045181	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
27	34.649837331	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=5/1280, ttl=64 (no response found!)
28	35.673839940	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=6/1536, ttl=64 (no response found!)
29	36.087868684	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
30	36.697843945	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=7/1792, ttl=64 (no response found!)
31	37.721841875	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=8/2048, ttl=64 (no response found!)
32	38.092801591	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
33	38.745836731	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=9/2304, ttl=64 (no response found!)
34	39.769840318	172.16.41.1	172.16.41.255	ICMP	98	Echo (ping) request id=0x7225, seq=10/2560, ttl=64 (no response found!)
35	40.097635883	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002
36	41.557503046	Cisco_7c:8f:82	Cisco_7c:8f:82	LOOP	60	Reply
37	42.102529959	Cisco_7c:8f:82	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8002

Tux 3

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
2	2.009032932	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
3	4.009791007	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
4	4.404463835	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/3
5	6.016753532	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
6	6.610197407	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
7	8.019549608	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
8	10.024464074	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
9	12.033326172	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
10	14.034263393	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
11	16.039105572	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
12	16.617884219	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
13	18.043992800	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
14	20.048877652	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
15	22.057817276	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
16	24.058677251	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
17	26.063532001	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
18	26.617305045	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
19	28.068473357	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
20	30.073333835	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
21	32.082283026	Cisco_7c:8f:83	Spanning-tree-(for- oridges)_00		60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
22	34.083079864	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
23	36.088039867	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
24	36.624834782	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
25	38.092876109	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
26	40.097748251	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
27	42.106668667	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

Tux 4

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
2	2.005630323	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
3	4.013256359	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
4	6.014682378	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
5	8.020255990	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
6	8.597302621	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
7	10.023858192	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
8	12.029486629	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
9	14.038961014	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
10	16.038561942	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
11	18.044185350	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
12	18.596721125	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
13	20.048057419	Cisco_7c:8f:84	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
14	22.053874497	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
15	24.061771797	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
16	26.063388273	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
17	28.069226513	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
18	28.604251481	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
19	30.072976221	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
20	32.078772626	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
21	34.086392796	Cisco_7c:8f:84	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
22	36.088044961	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
23	38.093618363	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
24	38.616077074	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply

EXP 3

# DNS

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	10.0.2.15	193.136.28.10	DNS	100	Standard query 0xeded A connectivity-check.ubuntu.com OPT
2	0.015703237	193.136.28.10	10.0.2.15	DNS	132	Standard query response  0xeded A connectivity- check.ubuntu.com A  35.232.111.17 A 35.224.170.84  OPT
3	0.017566298	10.0.2.15	35.224.170.84	TCP	74	57162 > 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=4066455018 TSecr=0 WS=128
4	1.031748699	10.0.2.15	35.224.170.84	TCP	74	[TCP Retransmission] [TCP Port numbers reused] 57162 > 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=4066456032 TSecr=0 WS=128
5	3.047504183	10.0.2.15	35.224.170.84	TCP	74	[TCP Retransmission] [TCP Port numbers reused] 57162 > 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM=1 TSval=4066458048 TSecr=0 WS=128
6	3.167161897	35.224.170.84	10.0.2.15	ТСР	60	80 > 57162 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1460
7	3.167206927	10.0.2.15	35.224.170.84	ТСР	54	57162 > 80 [ACK] Seq=1 Ack=1 Win=64240 Len=0
8	3.167321680	10.0.2.15	35.224.170.84	НТТР	141	GET / HTTP/1.1
9	3.167550439	35.224.170.84	10.0.2.15	ТСР	60	80 > 57162 [ACK] Seq=1 Ack=88 Win=65535 Len=0
10	3.334118925	35.224.170.84	10.0.2.15	НТТР	202	HTTP/1.1 204 No Content
11	3.334136603	10.0.2.15	35.224.170.84	ТСР	54	57162 > 80 [ACK] Seq=88 Ack=149 Win=64092 Len=0
12	3.334119186	35.224.170.84	10.0.2.15	TCP	60	80 > 57162 [FIN, ACK] Seq=149 Ack=88 Win=65535 Len=0
13	3.334323861	10.0.2.15	35.224.170.84	TCP	54	57162 > 80 [FIN, ACK] Seq=88 Ack=150 Win=64091 Len=0

No.	Time	Source	Destination	Protocol	Length	Info
14	3.334625070	35.224.170.84	10.0.2.15	ТСР	60	80 > 57162 [ACK] Seq=150 Ack=89 Win=65535 Len=0
15	12.982419748	fe80::cb41:929d:3005:c87f	ff02::fb	MDNS	102	Standard query 0x0000 PTR _pgpkey-hkptcp.local, "QM" question
16	12.982492668	10.0.2.15	224.0.0.251	MDNS	82	Standard query 0x0000 PTR _pgpkey-hkptcp.local, "QM" question
17	17.685343270	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=1/256, ttl=64 (reply in 18)
18	17.715641400	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=1/256, ttl=113 (request in 17)
19	18.686381579	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=2/512, ttl=64 (reply in 20)
20	18.716291735	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=2/512, ttl=113 (request in 19)
21	19.733801456	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=3/768, ttl=64 (reply in 22)
22	19.762257556	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=3/768, ttl=113 (request in 21)
23	20.736054010	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=4/1024, ttl=64 (reply in 24)
24	20.764503196	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=4/1024, ttl=113 (request in 23)
25	21.743205838	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=5/1280, ttl=64 (reply in 26)
26	21.771650786	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=5/1280, ttl=113 (request in 25)
27	22.798375512	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=6/1536, ttl=64 (reply in 28)
28	22.827100689	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=6/1536, ttl=113 (request in 27)
29	23.813452081	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=7/1792, ttl=64 (reply in 30)
30	23.841985089	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=7/1792, ttl=113 (request in 29)

No.	Time	Source	Destination	Protocol	Length	Info
31	24.834546917	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=8/2048, ttl=64 (reply in 32)
32	24.863457151	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=8/2048, ttl=113 (request in 31)
33	25.836051815	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=9/2304, ttl=64 (reply in 34)
34	25.865374570	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=9/2304, ttl=113 (request in 33)
35	26.838232169	10.0.2.15	142.250.200.142	ICMP	98	Echo (ping) request id=0x0001, seq=10/2560, ttl=64 (reply in 36)
36	26.869018105	142.250.200.142	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0001, seq=10/2560, ttl=113 (request in 35)

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	PcsCompu_bc:e2:1a	RealtekU_12:35:02	ARP	42	Who has 10.0.2.2? Tell 10.0.2.15
2	0.000192690	RealtekU_12:35:02	PcsCompu_bc:e2:1a	ARP	60	10.0.2.2 is at 52:54:00:12:35:02
3	11.680437501	10.0.2.15	193.136.28.10	DNS	86	Standard query 0x1162 A enisa.europa.eu OPT
4	11.680513032	10.0.2.15	193.136.28.10	DNS	86	Standard query 0xa48f AAAA enisa.europa.eu OPT
5	12.627497795	fe80::cb41:929d:3005:c87f	ff02::fb	MDNS	180	Standard query 0x0000 PTR _ftptcp.local, "QM" question PTR _nfstcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _webdavtcp.local, "QM" question

No.	Time	Source	Destination	Protocol	Length	Info
6	12.627606901	10.0.2.15	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _ftptcp.local, "QM" question PTR _nfstcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _webdavtcp.local, "QM" question
7	12.630020967	193.136.28.10	10.0.2.15	DNS	114	Standard query response 0xa48f AAAA enisa.europa.eu AAAA 2001:4d80:600::2 OPT
8	12.630021338	193.136.28.10	10.0.2.15	DNS	102	Standard query response 0x1162 A enisa.europa.eu A 212.146.105.104 OPT
9	12.631352154	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=1/256, ttl=64 (reply in 10)
10	12.719278780	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=1/256, ttl=43 (request in 9)
11	12.719691934	10.0.2.15	193.136.28.10	DNS	99	Standard query 0x2f03 PTR 104.105.146.212.in-addr.arpa OPT
12	12.819852243	193.136.28.10	10.0.2.15	DNS	128	Standard query response 0x2f03 PTR 104.105.146.212.in-addr.arpa PTR enisa.europa.eu OPT
13	13.632813443	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=2/512, ttl=64 (reply in 14)
14	13.718899484	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=2/512, ttl=43 (request in 13)
15	14.633155912	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=3/768, ttl=64 (reply in 16)
16	14.719421667	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=3/768, ttl=43 (request in 15)
17	15.638712437	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=4/1024, ttl=64 (reply in 18)

No.	Time	Source	Destination	Protocol	Length	Info
18	15.726652684	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=4/1024, ttl=43 (request in 17)
19	16.641652587	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=5/1280, ttl=64 (reply in 20)
20	16.727376109	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=5/1280, ttl=43 (request in 19)
21	17.643137974	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=6/1536, ttl=64 (reply in 22)
22	17.739139977	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=6/1536, ttl=43 (request in 21)
23	18.644686230	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=7/1792, ttl=64 (reply in 24)
24	18.735027583	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=7/1792, ttl=43 (request in 23)
25	19.647407067	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=8/2048, ttl=64 (reply in 26)
26	19.733067976	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=8/2048, ttl=43 (request in 25)
27	20.650695462	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=9/2304, ttl=64 (reply in 28)
28	20.736468797	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=9/2304, ttl=43 (request in 27)
29	21.062889079	fe80::cb41:929d:3005:c87f	ff02::fb	MDNS	101	Standard query 0x0000 PTR _nmea-0183tcp.local, "QM" question
30	21.062974966	10.0.2.15	224.0.0.251	MDNS	81	Standard query 0x0000 PTR _nmea-0183tcp.local, "QM" question
31	21.654173814	10.0.2.15	212.146.105.104	ICMP	98	Echo (ping) request id=0x0002, seq=10/2560, ttl=64 (reply in 32)
32	21.741947982	212.146.105.104	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0002, seq=10/2560, ttl=43 (request in 31)

No.	Time	Source	Destination	Protocol	Length	Info
33	25.881154132	10.0.2.15	91.189.89.199	NTP	90	NTP Version 4, client
34	25.997035111	91.189.89.199	10.0.2.15	NTP	90	NTP Version 4, server

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	10.0.2.15	9.9.9.9	DNS	84	Standard query 0xeefa A parlamento.pt OPT
2	0.000076636	10.0.2.15	9.9.9.9	DNS	84	Standard query 0x8501 AAAA parlamento.pt OPT
3	0.024119506	9.9.9.9	10.0.2.15	DNS	100	Standard query response 0xeefa A parlamento.pt A 88.157.195.115 OPT
4	0.063752900	9.9.9.9	10.0.2.15	DNS	134	Standard query response 0x8501 AAAA parlamento.pt SOA ns2.parlamento.pt OPT
5	0.064190903	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=1/256, ttl=64 (reply in 6)
6	0.087138320	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=1/256, ttl=115 (request in 5)
7	0.087393835	10.0.2.15	9.9.9.9	DNS	98	Standard query 0x5b9f PTR 115.195.157.88.in-addr.arpa OPT
8	0.149491442	9.9.9.9	10.0.2.15	DNS	168	Standard query response 0x5b9f PTR 115.195.157.88.in-addr.arpa PTR biblioteca.parlamento.pt PTR parlamento.pt PTR www.parlamento.pt OPT
9	1.076495622	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=2/512, ttl=64 (reply in 10)
10	1.098289961	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=2/512, ttl=115 (request in 9)
11	2.077108852	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=3/768, ttl=64 (reply in 12)
12	2.218477334	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=3/768, ttl=115 (request in 11)
13	3.078459473	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=4/1024, ttl=64 (reply in 14)
14	3.101753775	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=4/1024, ttl=115 (request in 13)
15	4.079243489	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=5/1280, ttl=64 (reply in 16)
16	4.101260151	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=5/1280, ttl=115 (request in 15)
17	5.079415242	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=6/1536, ttl=64 (reply in 18)
· <u></u>			37 / 6/			

No.	Time	Source	Destination	Protocol	Length	Info
18	5.103882506	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=6/1536, ttl=115 (request in 17)
19	5.119418900	PcsCompu_bc:e2:1a	RealtekU_12:35:02	ARP	42	Who has 10.0.2.2? Tell 10.0.2.15
20	5.119611660	RealtekU_12:35:02	PcsCompu_bc:e2:1a	ARP	60	10.0.2.2 is at 52:54:00:12:35:02
21	6.083735420	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=7/1792, ttl=64 (reply in 22)
22	6.105878710	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=7/1792, ttl=115 (request in 21)
23	7.085098347	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=8/2048, ttl=64 (reply in 24)
24	7.109948538	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=8/2048, ttl=115 (request in 23)
25	8.088229861	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=9/2304, ttl=64 (reply in 26)
26	8.109301128	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=9/2304, ttl=115 (request in 25)
27	9.090553104	10.0.2.15	88.157.195.115	ICMP	98	Echo (ping) request id=0x0006, seq=10/2560, ttl=64 (reply in 28)
28	9.112758399	88.157.195.115	10.0.2.15	ICMP	98	Echo (ping) reply id=0x0006, seq=10/2560, ttl=115 (request in 27)

# Linux

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	10.0.2.15	104.17.113.188	UDP	74	37050 > 33434 Len=32
2	0.000064352	10.0.2.15	104.17.113.188	UDP	74	51292 > 33435 Len=32
3	0.000093834	10.0.2.15	104.17.113.188	UDP	74	33070 > 33436 Len=32
4	0.000123020	10.0.2.15	104.17.113.188	UDP	74	49779 > 33437 Len=32
5	0.000154089	10.0.2.15	104.17.113.188	UDP	74	53762 > 33438 Len=32
6	0.000184482	10.0.2.15	104.17.113.188	UDP	74	46148 > 33439 Len=32
7	0.000218504	10.0.2.15	104.17.113.188	UDP	74	59525 > 33440 Len=32
8	0.000252127	10.0.2.15	104.17.113.188	UDP	74	52024 > 33441 Len=32
9	0.000290299	10.0.2.15	104.17.113.188	UDP	74	44684 > 33442 Len=32
10	0.000354288	10.0.2.15	104.17.113.188	UDP	74	51239 > 33443 Len=32
11	0.000385774	10.0.2.2	10.0.2.15	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
12	0.000396744	10.0.2.15	104.17.113.188	UDP	74	50600 > 33444 Len=32

No.	Time	Source	Destination	Protocol	Length	Info
13	0.000386026	10.0.2.2	10.0.2.15	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
14	0.000386099	10.0.2.2	10.0.2.15	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
15	0.000427566	10.0.2.15	104.17.113.188	UDP	74	57740 > 33445 Len=32
16	0.000462035	10.0.2.15	104.17.113.188	UDP	74	33814 > 33446 Len=32
17	0.000494118	10.0.2.15	104.17.113.188	UDP	74	50838 > 33447 Len=32
18	0.000529294	10.0.2.15	104.17.113.188	UDP	74	58616 > 33448 Len=32
19	0.000559324	10.0.2.15	104.17.113.188	UDP	74	33328 > 33449 Len=32
20	0.000707492	10.0.2.15	104.17.113.188	UDP	74	40420 > 33450 Len=32
21	0.000765823	10.0.2.15	104.17.113.188	UDP	74	37251 > 33451 Len=32
22	0.000809737	10.0.2.15	104.17.113.188	UDP	74	32915 > 33452 Len=32
23	5.016815232	10.0.2.15	104.17.113.188	UDP	74	36373 > 33453 Len=32
24	5.016880349	10.0.2.15	104.17.113.188	UDP	74	58281 > 33454 Len=32
25	5.016913483	10.0.2.15	104.17.113.188	UDP	74	42681 > 33455 Len=32
26	5.016945079	10.0.2.15	104.17.113.188	UDP	74	42657 > 33456 Len=32
27	5.016974729	10.0.2.15	104.17.113.188	UDP	74	44173 > 33457 Len=32
28	5.017007061	10.0.2.15	104.17.113.188	UDP	74	52025 > 33458 Len=32
29	5.017039515	10.0.2.15	104.17.113.188	UDP	74	46690 > 33459 Len=32
30	5.017071322	10.0.2.15	104.17.113.188	UDP	74	38542 > 33460 Len=32
31	5.017103202	10.0.2.15	104.17.113.188	UDP	74	55158 > 33461 Len=32
32	5.017172830	10.0.2.15	104.17.113.188	UDP	74	55229 > 33462 Len=32
33	5.017220268	10.0.2.15	104.17.113.188	UDP	74	39875 > 33463 Len=32
34	5.017263496	10.0.2.15	104.17.113.188	UDP	74	34598 > 33464 Len=32
35	5.017311138	10.0.2.15	104.17.113.188	UDP	74	46940 > 33465 Len=32
36	5.017400247	10.0.2.15	104.17.113.188	UDP	74	51802 > 33466 Len=32
37	5.017471073	10.0.2.15	104.17.113.188	UDP	74	48714 > 33467 Len=32
38	5.017513585	10.0.2.15	104.17.113.188	UDP	74	33989 > 33468 Len=32
39	5.066377838	PcsCompu_bc:e2:1a	RealtekU_12:35:02	ARP	42	Who has 10.0.2.2? Tell 10.0.2.15
40	5.066618082	RealtekU_12:35:02	PcsCompu_bc:e2:1a	ARP	60	10.0.2.2 is at 52:54:00:12:35:02
41	10.029808093	10.0.2.15	104.17.113.188	UDP	74	55661 > 33469 Len=32
42	10.029865806	10.0.2.15	104.17.113.188	UDP	74	51067 > 33470 Len=32
43	10.029895671	10.0.2.15	104.17.113.188	UDP	74	53611 > 33471 Len=32
44	10.029929656	10.0.2.15	104.17.113.188	UDP	74	48220 > 33472 Len=32
45	10.029959378	10.0.2.15	104.17.113.188	UDP	74	36368 > 33473 Len=32
46	10.030012901	10.0.2.15	104.17.113.188	UDP	74	43672 > 33474 Len=32

No.	Time	Source	Destination	Protocol	Length	Info
47	10.030067868	10.0.2.15	104.17.113.188	UDP	74	46524 > 33475 Len=32
48	10.030100744	10.0.2.15	104.17.113.188	UDP	74	60649 > 33476 Len=32
49	10.030136216	10.0.2.15	104.17.113.188	UDP	74	59496 > 33477 Len=32
50	10.030172251	10.0.2.15	104.17.113.188	UDP	74	49156 > 33478 Len=32
51	10.030214996	10.0.2.15	104.17.113.188	UDP	74	43501 > 33479 Len=32
52	10.030252199	10.0.2.15	104.17.113.188	UDP	74	48654 > 33480 Len=32
53	10.030286101	10.0.2.15	104.17.113.188	UDP	74	54646 > 33481 Len=32
54	10.030318418	10.0.2.15	104.17.113.188	UDP	74	59524 > 33482 Len=32
55	10.030396532	10.0.2.15	104.17.113.188	UDP	74	44288 > 33483 Len=32
56	10.030439104	10.0.2.15	104.17.113.188	UDP	74	39093 > 33484 Len=32
57	15.039524337	10.0.2.15	104.17.113.188	UDP	74	47572 > 33485 Len=32
58	15.039644459	10.0.2.15	104.17.113.188	UDP	74	35097 > 33486 Len=32
59	15.039690927	10.0.2.15	104.17.113.188	UDP	74	59816 > 33487 Len=32
60	15.039732695	10.0.2.15	104.17.113.188	UDP	74	43273 > 33488 Len=32
61	15.039765992	10.0.2.15	104.17.113.188	UDP	74	44101 > 33489 Len=32
62	15.039797062	10.0.2.15	104.17.113.188	UDP	74	34627 > 33490 Len=32
63	15.039832807	10.0.2.15	104.17.113.188	UDP	74	55300 > 33491 Len=32
64	15.039865188	10.0.2.15	104.17.113.188	UDP	74	59876 > 33492 Len=32
65	15.039901332	10.0.2.15	104.17.113.188	UDP	74	37206 > 33493 Len=32
66	15.039947517	10.0.2.15	104.17.113.188	UDP	74	42373 > 33494 Len=32
67	15.039984741	10.0.2.15	104.17.113.188	UDP	74	42458 > 33495 Len=32
68	15.040030589	10.0.2.15	104.17.113.188	UDP	74	59240 > 33496 Len=32
69	15.040091061	10.0.2.15	104.17.113.188	UDP	74	34726 > 33497 Len=32
70	15.040138006	10.0.2.15	104.17.113.188	UDP	74	42171 > 33498 Len=32
71	15.040179391	10.0.2.15	104.17.113.188	UDP	74	38383 > 33499 Len=32
72	15.040233335	10.0.2.15	104.17.113.188	UDP	74	58699 > 33500 Len=32
73	20.046414262	10.0.2.15	104.17.113.188	UDP	74	54162 > 33501 Len=32
74	20.046467113	10.0.2.15	104.17.113.188	UDP	74	47003 > 33502 Len=32
75	20.046493324	10.0.2.15	104.17.113.188	UDP	74	52538 > 33503 Len=32
76	20.046518599	10.0.2.15	104.17.113.188	UDP	74	46419 > 33504 Len=32
77	20.046541045	10.0.2.15	104.17.113.188	UDP	74	37538 > 33505 Len=32
78	20.046567233	10.0.2.15	104.17.113.188	UDP	74	43642 > 33506 Len=32
79	20.046609894	10.0.2.15	104.17.113.188	UDP	74	51103 > 33507 Len=32
80	20.046661866	10.0.2.15	104.17.113.188	UDP	74	49790 > 33508 Len=32
81	20.046690403	10.0.2.15	104.17.113.188	UDP	74	54030 > 33509 Len=32
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No.	Time	Source	Destination	Protocol	Length	Info
82	20.046723264	10.0.2.15	104.17.113.188	UDP	74	47713 > 33510 Len=32
83	20.046749321	10.0.2.15	104.17.113.188	UDP	74	59418 > 33511 Len=32
84	20.046780977	10.0.2.15	104.17.113.188	UDP	74	38520 > 33512 Len=32
85	20.046806451	10.0.2.15	104.17.113.188	UDP	74	39747 > 33513 Len=32
86	20.046830841	10.0.2.15	104.17.113.188	UDP	74	52881 > 33514 Len=32
87	20.046853506	10.0.2.15	104.17.113.188	UDP	74	52517 > 33515 Len=32
88	20.046877582	10.0.2.15	104.17.113.188	UDP	74	48214 > 33516 Len=32

EXP 4

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
2	2.004878567	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
3	4.013909404	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
4	6.014704775	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
5	7.390371150	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
6	8.019540738	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
7	10.024435997	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
8	12.029320850	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
9	14.038320189	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
10	16.039086296	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
11	17.398028559	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply

ot = 0/00:1e:14:7c:8f:80 Port = 0x8003  ng) request 0c, seq=1/256, ttl=64 14)  ng) reply id=0x779c,
9c, seq=1/256, ttl=64 14)
na) reply id=0x779c
56, ttl=64 (request in
ng) request 9c, seq=2/512, ttl=64 16)
ng) reply id=0x779c, 12, ttl=64 (request in
ot = 0/00:1e:14:7c:8f:80 Port = 0x8003
ng) request 9c, seq=3/768, ttl=64 19)
ng) reply id=0x779c, 68, ttl=64 (request in
ng) request Oc, seq=4/1024, eply in 21)
ng) reply id=0x779c, 024, ttl=64 (request
ot = 0/00:1e:14:7c:8f:80 Port = 0x8003
ng) request Oc, seq=5/1280, eply in 24)
ng) reply id=0x779c, 280, ttl=64 (request
172.16.40.1? Tell 0.254
0.1 is at 61:2f:13

No.	Time	Source	Destination	Protocol	Length	Info
27	23.316533602	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x779c, seq=6/1536, ttl=64 (reply in 28)
28	23.316657991	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x779c, seq=6/1536, ttl=64 (request in 27)
29	24.062789152	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
30	24.340539589	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x779c, seq=7/1792, ttl=64 (reply in 31)
31	24.340695687	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x779c, seq=7/1792, ttl=64 (request in 30)
32	24.468507486	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	Who has 172.16.40.254? Tell 172.16.40.1
33	24.468623843	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	172.16.40.254 is at 00:21:5a:c3:78:76
34	24.889495253	Cisco_7c:8f:83	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/3
35	25.364537196	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x779c, seq=8/2048, ttl=64 (reply in 36)
36	25.364676322	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x779c, seq=8/2048, ttl=64 (request in 35)
37	26.063674969	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
38	26.388535780	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x779c, seq=9/2304, ttl=64 (reply in 39)
39	26.388674976	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x779c, seq=9/2304, ttl=64 (request in 38)
40	27.397287629	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
41	27.412538625	172.16.40.1	172.16.40.254	ICMP	98	Echo (ping) request id=0x779c, seq=10/2560, ttl=64 (reply in 42)
42	27.412667414	172.16.40.254	172.16.40.1	ICMP	98	Echo (ping) reply id=0x779c, seq=10/2560, ttl=64 (request in 41)

No.	Time	Source	Destination	Protocol	Length	Info
43	28.068417134	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
44	30.073516472	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
45	32.078217221	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
46	34.087199518	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
47	36.002850230	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=1/256, ttl=64 (reply in 48)
48	36.003011426	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=1/256, ttl=64 (request in 47)
49	36.087965555	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
50	37.012539643	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=2/512, ttl=64 (reply in 51)
51	37.012672554	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=2/512, ttl=64 (request in 50)
52	37.404936378	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
53	38.036561206	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=3/768, ttl=64 (reply in 54)
54	38.036696979	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=3/768, ttl=64 (request in 53)
55	38.092864585	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
56	39.060555320	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=4/1024, ttl=64 (reply in 57)
57	39.060718751	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=4/1024, ttl=64 (request in 56)

No.	Time	Source	Destination	Protocol	Length	Info
58	40.084558793	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=5/1280, ttl=64 (reply in 59)
59	40.084691843	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=5/1280, ttl=64 (request in 58)
60	40.097968604	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
61	41.108547600	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=6/1536, ttl=64 (reply in 62)
62	41.108685469	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=6/1536, ttl=64 (request in 61)
63	42.102759728	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
64	42.132543251	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=7/1792, ttl=64 (reply in 65)
65	42.132675672	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=7/1792, ttl=64 (request in 64)
66	43.156544210	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=8/2048, ttl=64 (reply in 67)
67	43.156684034	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=8/2048, ttl=64 (request in 66)
68	44.111787422	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
69	44.180553270	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=9/2304, ttl=64 (reply in 70)
70	44.180710974	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=9/2304, ttl=64 (request in 69)
71	45.204544730	172.16.40.1	172.16.41.253	ICMP	98	Echo (ping) request id=0x77a9, seq=10/2560, ttl=64 (reply in 72)
72	45.204685812	172.16.41.253	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77a9, seq=10/2560, ttl=64 (request in 71)

No.	Time	Source	Destination	Protocol	Length	Info
73	46.112424600	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
74	47.412595672	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
75	48.117293948	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
76	50.122237259	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
77	52.127071197	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
78	52.298954736	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=1/256, ttl=64 (reply in 79)
79	52.299254500	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=1/256, ttl=63 (request in 78)
80	53.300543339	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=2/512, ttl=64 (reply in 81)
81	53.300812582	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=2/512, ttl=63 (request in 80)
82	54.136052586	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
83	54.324539828	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=3/768, ttl=64 (reply in 84)
84	54.324798105	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=3/768, ttl=63 (request in 83)
85	55.348544489	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=4/1024, ttl=64 (reply in 86)
86	55.348784747	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=4/1024, ttl=63 (request in 85)
87	56.136846280	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
88	56.372547892	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=5/1280, ttl=64 (reply in 89)
89	56.372779070	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=5/1280, ttl=63 (request in 88)
90	57.396545918	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=6/1536, ttl=64 (reply in 91)
91	57.396780099	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=6/1536, ttl=63 (request in 90)
92	57.420248612	Cisco_7c:8f:83	Cisco_7c:8f:83	LOOP	60	Reply
93	58.141746429	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
94	58.420556934	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=7/1792, ttl=64 (reply in 95)
95	58.420819402	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=7/1792, ttl=63 (request in 94)
96	59.444541270	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=8/2048, ttl=64 (reply in 97)
97	59.444805763	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=8/2048, ttl=63 (request in 96)
98	60.146623319	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
99	60.468548934	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=9/2304, ttl=64 (reply in 100)
100	60.468784303	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=9/2304, ttl=63 (request in 99)
101	61.492553036	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x77b3, seq=10/2560, ttl=64 (reply in 102)
102	61.492792455	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x77b3, seq=10/2560, ttl=63 (request in 101)

No.	Time	Source	Destination	Protocol	Length	Info
103	62.151646670	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003
104	63.480478688	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	60	Who has 172.16.40.1? Tell 172.16.40.254
105	63.480500199	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	42	172.16.40.1 is at 00:21:5a:61:2f:13
106	64.160432081	Cisco_7c:8f:83	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8003

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
2	0.936570666	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
3	0.829331593	172.16.41.253	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
4	2.005153167	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001

No.	Time	Source	Destination	Protocol	Length	Info
5	2.109036718	fe80::2c0:dfff:fe02:5595	ff02::fb	MDNS	180	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
6	2.936416038	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
7	4.102171673	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
8	4.009775262	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
9	4.085435405	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
10	4.942304774	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
11	6.014685451	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
12	6.945969554	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
13	8.023523163	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
14	8.951873375	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
15	10.024410916	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
16	10.961729023	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
17	12.029330255	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001

No.	Time	Source	Destination	Protocol	Length	Info
18	12.961462789	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
19	14.034193162	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
20	14.105921731	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
21	14.093053970	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
22	14.967361861	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
23	16.039072132	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
24	16.970991162	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
25	18.048115876	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
26	18.977020487	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
27	20.048931971	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
28	20.984681235	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
29	22.053731043	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
30	22.986522670	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
31	23.589270951	Cisco_7c:8f:81	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/1
32	24.109071504	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
33	24.058626566	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
34	24.100714510	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
35	24.990560193	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
36	26.063762203	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
37	26.996342280	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
38	28.072452690	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
39	29.000208762	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
40	30.073323052	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
41	31.010155623	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
42	31.482979555	Cisco_7c:8f:84	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/4
43	32.078251191	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
44	33.009876468	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
45	34.083144549	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
46	34.113045264	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
47	34.116705853	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
48	35.015671686	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
49	36.087978542	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
50	36.833009092	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
51	37.019606193	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
52	37.858521752	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
53	38.096905720	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
54	38.882512361	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
55	39.025880662	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
56	40.097713644	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
57	41.033637930	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
58	41.838068883	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
59	42.102658475	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
60	43.035544736	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
61	42.850514035	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
62	43.874514701	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
63	44.107546246	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
64	44.108001401	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
65	44.124396704	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
66	45.038850393	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
67	46.112483394	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
68	46.801056025	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
69	47.044049166	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
70	47.810508340	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
71	48.121366573	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
72	48.834507400	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.1? Tell 172.16.2.42
73	49.048850543	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
74	50.122182668	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
75	51.057608008	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
76	51.804013104	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
77	52.127134343	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
78	53.058381081	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
79	52.834505515	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
80	53.858503806	HewlettP_19:02:ba	Broadcast	ARP	60	Who has 172.16.2.254? Tell 172.16.2.42
81	54.123666726	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
82	54.119401870	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
83	54.131997460	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
84	55.063575315	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
85	56.136838088	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
86	57.068345193	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
87	58.146109374	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
88	59.073045091	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
89	60.146697438	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
90	61.082095190	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
91	62.151504332	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
92	63.082941387	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
93	64.122985706	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
94	64.131339697	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
95	64.156548617	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
96	65.087791514	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
97	66.161318007	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
98	67.092681728	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
99	68.170203350	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
100	69.097593594	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
101	70.171067078	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
102	71.106455471	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
103	72.175937947	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
104	73.107293707	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
105	74.138983126	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
106	74.130668525	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
107	74.181070441	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
108	75.112155706	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
109	76.185727945	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
110	77.117204460	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
111	78.194773504	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
112	79.121990751	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
113	80.195483860	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
114	81.131067111	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
115	82.200372120	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
116	83.131692051	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
117	83.593243745	Cisco_7c:8f:81	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/1
118	84.151159392	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
119	84.130022426	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
120	84.205267154	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
121	85.136711612	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
122	86.210174829	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
123	87.141547560	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
124	88.219123589	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
125	89.146365699	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
126	90.220019513	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
127	91.155313481	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
128	91.491024024	Cisco_7c:8f:84	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/4
129	92.224813486	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
130	93.156295449	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
131	94.137568566	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
132	94.146022710	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
133	94.229720184	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
134	95.161093753	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
135	96.234588818	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001

No.	Time	Source	Destination	Protocol	Length	Info
136	97.166027689	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
137	98.243607000	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
138	99.170799732	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
139	100.244346270	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
140	101.179862473	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
141	102.249357170	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
142	103.180553553	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
143	104.158009286	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
144	104.145215627	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
145	104.254119715	Cisco_7c:8f:81	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
146	105.185540847	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
147	105.090506322	fe80::222:64ff:fe19:2ba	ff02::2	ICMPv6	70	Router Solicitation from 00:22:64:19:02:ba
148	106.259023130	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
149	107.190634230	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
150	108.267979503	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
151	109.195431975	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
152	110.268805236	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
153	110.735761246	172.16.41.1	224.0.0.251	MDNS	160	Standard query 0x0000 PTR _nfstcp.local, "QM" question PTR _ftptcp.local, "QM" question PTR _webdavtcp.local, "QM" question PTR _webdavstcp.local, "QM" question PTR _sftp- sshtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _smbtcp.local, "QM" question PTR _afpovertcptcp.local, "QM" question
154	111.204572798	Cisco_7c:8f:84	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
155	112.273680715	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
156	113.204991497	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
157	114.152886573	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
158	114.161233440	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
159	114.278579450	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
160	115.209979001	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
161	116.283458630	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
162	117.214866003	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
163	118.292438679	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
164	119.219658859	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004

No.	Time	Source	Destination	Protocol	Length	Info
165	120.293235428	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
166	121.228741854	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
167	122.298105459	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
168	123.229521492	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
169	124.168900336	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
170	124.152144442	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
171	124.302975979	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
172	125.234708323	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
173	126.307937641	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
174	127.239207497	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
175	128.316843868	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
176	129.244398308	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
177	130.317660452	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
178	131.253072243	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
179	132.322553670	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
180	133.253994986	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
181	134.159865814	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply

No.	Time	Source	Destination	Protocol	Length	Info
182	134.168226929	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
183	134.327448914	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
184	135.258835823	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
185	136.332323764	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
186	137.263715073	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
187	138.341362130	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
188	139.268530837	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
189	140.342244574	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
190	141.277660276	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
191	142.347004535	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
192	143.278302467	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
193	143.597206412	Cisco_7c:8f:81	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/1
194	144.175871475	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
195	144.159147499	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
196	144.351858363	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
197	145.283314275	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
198	146.356746972	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
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No.	Time	Source	Destination	Protocol	Length	Info
199	147.288075633	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
200	148.365790157	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
201	149.293070750	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
202	150.297254171	HewlettP_61:2f:13	Broadcast	ARP	60	Who has 172.16.40.254? Tell 172.16.40.1
203	150.297414806	KYE_02:55:95	Broadcast	ARP	42	Who has 172.16.41.1? Tell 172.16.41.253
204	150.297531231	HewlettP_19:02:ba	KYE_02:55:95	ARP	60	172.16.41.1 is at 00:22:64:19:02:ba
205	150.297280222	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	42	172.16.40.254 is at 00:21:5a:c3:78:76
206	150.297538425	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=1/256, ttl=63 (no response found!)
207	150.297401187	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=1/256, ttl=64 (reply in 208)
208	150.297641161	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=1/256, ttl=64 (request in 207)
209	150.297647377	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=1/256, ttl=63
210	150.366570913	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
211	151.302024747	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
212	151.313127271	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=2/512, ttl=63 (reply in 213)
213	151.313230846	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=2/512, ttl=64 (request in 212)
214	151.313111278	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=2/512, ttl=64 (reply in 215)

No.	Time	Source	Destination	Protocol	Length	Info
215	151.313239716	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=2/512, ttl=63 (request in 214)
216	151.490955035	Cisco_7c:8f:84	CDP/VTP/DTP/PAgP/UDLD	CDP	601	Device ID: gnu-sw4 Port ID: FastEthernet0/4
217	152.337121442	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=3/768, ttl=63 (no response found!)
218	152.337101677	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=3/768, ttl=64 (reply in 219)
219	152.337232909	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=3/768, ttl=64 (request in 218)
220	152.337241918	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=3/768, ttl=63
221	152.371411121	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
222	153.302965440	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
223	153.361097245	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=4/1024, ttl=63 (no response found!)
224	153.361082509	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=4/1024, ttl=64 (reply in 225)
225	153.361200051	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=4/1024, ttl=64 (request in 224)
226	153.361207524	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=4/1024, ttl=63
227	154.166738127	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
228	154.175161401	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
229	154.376279476	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
230	154.385107759	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=5/1280, ttl=63 (reply in 231)

No.	Time	Source	Destination	Protocol	Length	Info
231	154.385245486	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=5/1280, ttl=64 (request in 230)
232	154.385092045	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=5/1280, ttl=64 (reply in 233)
233	154.385252889	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=5/1280, ttl=63 (request in 232)
234	155.307707731	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
235	155.409142647	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=6/1536, ttl=64 (no response found!)
236	155.409159339	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=6/1536, ttl=63 (reply in 237)
237	155.409274717	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=6/1536, ttl=63 (request in 236)
238	155.409266127	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=6/1536, ttl=64
239	155.444998516	HewlettP_c3:78:76	HewlettP_61:2f:13	ARP	42	Who has 172.16.40.1? Tell 172.16.40.254
240	155.522469084	HewlettP_19:02:ba	KYE_02:55:95	ARP	60	Who has 172.16.41.253? Tell 172.16.41.1
241	155.445129888	HewlettP_61:2f:13	HewlettP_c3:78:76	ARP	60	172.16.40.1 is at 00:21:5a:61:2f:13
242	155.522476557	KYE_02:55:95	HewlettP_19:02:ba	ARP	42	172.16.41.253 is at 00:c0:df:02:55:95
243	156.433121314	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=7/1792, ttl=64 (no response found!)
244	156.381195672	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
245	156.433136469	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=7/1792, ttl=63 (reply in 246)

No.	Time	Source	Destination	Protocol	Length	Info
246	156.433242768	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=7/1792, ttl=64 (request in 245)
247	156.433250241	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=7/1792, ttl=63
248	157.312650885	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
249	157.457125612	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=8/2048, ttl=63 (no response found!)
250	157.457109199	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=8/2048, ttl=64 (reply in 251)
251	157.457234773	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=8/2048, ttl=64 (request in 250)
252	157.457243434	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=8/2048, ttl=63
253	158.390226914	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
254	158.481114125	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=9/2304, ttl=64 (reply in 255)
255	158.481243681	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=9/2304, ttl=63 (request in 254)
256	158.481129840	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=9/2304, ttl=63 (reply in 257)
257	158.481236837	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=9/2304, ttl=64 (request in 256)
258	159.317391570	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
259	159.505108716	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=10/2560, ttl=64 (no response found!)

No.	Time	Source	Destination	Protocol	Length	Info
260	159.505124919	172.16.40.1	172.16.41.1	ICMP	98	Echo (ping) request id=0x7859, seq=10/2560, ttl=63 (reply in 261)
261	159.505271166	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=10/2560, ttl=63 (request in 260)
262	159.505263135	172.16.41.1	172.16.40.1	ICMP	98	Echo (ping) reply id=0x7859, seq=10/2560, ttl=64
263	160.390962552	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
264	161.326845562	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
265	162.395891459	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
266	163.327164248	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
267	164.182719065	Cisco_7c:8f:84	Cisco_7c:8f:84	LOOP	60	Reply
268	164.178558133	Cisco_7c:8f:81	Cisco_7c:8f:81	LOOP	60	Reply
269	164.400723496	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
270	165.332241218	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
271	166.405943362	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
272	167.337549014	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
273	168.414564427	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001
274	169.342050772	Cisco_7c:8f:84	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/40/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8004
275	170.415454624	Cisco_7c:8f:81	Spanning-tree-(for- bridges)_00	STP	60	Conf. Root = 32768/41/00:1e:14:7c:8f:80 Cost = 0 Port = 0x8001