TCP/IP OSI

1. HTTP-2. TCP/IP TCP/IP OSI. — PDU) Packet Tracer Packet Tracer, 1. HTTP-Packet Tracer (PT) HTTP. 1: Packet Tracer Realtime () Simulation (). PT Packet Tracer Simulation (a. Realtime (Simulation (). **Event List Filters (** HTTP **)** . 1) HTTP Show All/None (2) Show All/None Edit Filters. HTTP Misc Χ HTTP.

Cisco Packe	et Tracer	×		
IPv4 IPv6	Misc			
Bluetooth	☐ CAPWAP	☐ CDP		
☐ DTP	☐ EAPOL	☐ FTP		
☐ H.323	✓ HTTP	☐ HTTPS		
☐ IPSec	☐ ISAKMP	☐ loT		
☐ IoT TCP	☐ LACP	LLDP		
Meraki	☐ NETFLOW	☐ NTP		
☐ PAgP	☐ POP3	☐ PPP		
☐ PPP₀ED	PTP	RADIU		
REP	RTP	☐ SCCP		
SMTP	SNMP	SSH		
☐ STP	☐ SYSLOG	☐ TACAC		
TCP	☐ TFTP	☐ Telnet		
UDP	USB	☐ VTP		
(>		
	Edit ACL Filters			
	- (НТТР).		
	-		,	
Web	, Client (-)		•	
Web	Desktop (),	We	b Browser,
- URL	www.osi.lo	ocal	Go.	
		Captu	re/Forward(/).
	, ,	•	,	
	Capture/Forward	•		

?

Web Server

You have successfully accessed the home page for Web Server.

```
Event List (
                                                                        ) > Type column
            .).
                                                                    Event List.
               PDU Information at Device: Web Client (
                                                                    PDU
                                              : OSI Model (
                                                                   OSI) Outbound
                                    PDU),
PDU Details (
                                                                              Inbound
                                  PDU).
PDU Details (
                                      OSI Model Inbound PDU Details .
                                     OSI Model tab.
          Out Layers
                             Layer 7.
                                                                                     In
Layers (
                        ) Out Layers (
                                                         )?

    The server sends back a HTTP reply to the client.

                Dst
                                                     «Out Layers»?
1026
                                              ΙP
                               Dest.
                                                            3
                                                                         «Out Layers»?
192.168.1.1
                                          2
                                                       «Out Layers»?
  Layer 2: Ethernet II Header
 0001.96A9.401D >> 0060.47CA.4DEE
                 Outbound PDU Details (
                                                                PDU).
                                        PDU.
                                                                        TCP/IP.
                                 Ethernet II
                                                      OSI Model.
                                                                         Outbound
PDU Details
DEST MAC (MAC-
                                 ) SRC MAC (MAC-
        Ethernet II
                             PDU Details
                                                                   OSI Model
Layer 2,
                                 ΙP
                                            PDU Details
                                                                                  OSI
Model,
                   - IP.
                                 TCP
                                              PDU Details
        OSI Model,
                                           PDU Details? C
                            HTTP
                                  OSI Model?
www.osi.local. Уровень приложения
```

```
Type
                                                                       Event List.
                            1 (
                                                              ).
                                   HTTP Type
                                                                 Event List
                                                  : In Layers
                                                             Out Layers.
                                                                       In Layers .
                                In Layers
                                                               Out Layers
                     Inbound PDU Details (
                                                                 PDU).
               PDU.
                                                    Info.
                                                    ?
                                                                      TCP/IP
    2.
        2
                                                                               Packet
Tracer
           TCP/IP.
 1.
                                       PDU.
a.
             Event List Filters > Visible Events (
                             Show All/None.
                                                   ?
                                                                                  TCP/IP.
                                  (ARP)
                                                      MAC-
                          DNS
              , www.osi.local) IP-
                                                                    TCP
                                                                             Packet
   Tracer
                                        35
                              DNS
                                             Type.
                                                                          OSI
           PDU Detail
   Model
                                                                                  OSI
   Model
                                Layer 7
                                                                         In Layers Out
                                                       . ("1. The DNS client sends a DNS
   Layers
   query to the DNS server." [DNS-
                                                     DNS-
                                                                    DNS-
                                                                               ])
                      OutboundPDU Details (
                                                                    PDU).
                                     NAME:
                                                      DNS QUERY?
   www.osi.local
                                          DNS Info
                                       PDU?
```

Web Server

Inhound Pi	ADDF DU Details?			
TTL	DO Dotalio i			
112	нттр			
TCP		,	4 OSI	
Model (OSI	i).			
		4 5		
	In Layers C	Out Layers?		
	to make a TCP connection to 19		ort 80.	
	the connection state to SYN_SI window size up to 65535 bytes.	ENI.		
	mum Segment Size Option to th	e TCP SYN heade	r with Maximum Segmer	nt Si
equal to 1460 byte				
	s a TCP SYN segment. Iformation: the sequence numbe	or 0 the ACK numb	ner () and the data length	24
o. Cent segment in	normation, the sequence number	i v, the Aort hame	ber o, and the data length	24.
TCP,	,			
(ESTABLISHED).		,		
(LOTABLIOTILD).				
	T∩D	1	OGI.	
Model (OSI	TCP.	4	OSI	
Model (OSI In Layer	1). ,	4	OSI	
In Laye	l). , rs Out Layers.	·	OSI ,	
	l). , rs Out Layers.	, , (, , 4).	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536	vindow size up to 16384 bytes. imum Segment Size Option to the	, (, 4).	egm
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment.	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	vindow size up to 16384 bytes. imum Segment Size Option to the	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment.	ne TCP SYN-ACK	4). header with Maximum S	ill
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment.	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send 4. Sent segment in	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number	ne TCP SYN-ACK	4). header with Maximum S	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number ACK, (LAN).	ne TCP SYN-ACK er 0, the ACK num	4). header with Maximum Sober 1, and the data length	
1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send 4. Sent segment in	window size up to 16384 bytes. imum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. information: the sequence number	ne TCP SYN-ACK	4). header with Maximum Sober 1, and the data length	h 24
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1. TCP accepts a 2. TCP adds Maxi Size equal to 536 3. The device send 4. Sent segment in	window size up to 16384 bytes. window size up to 16384 bytes. mum Segment Size Option to the bytes. ds a TCP SYN+ACK segment. Information: the sequence number ACK, (LAN). Layer 4	ne TCP SYN-ACK er 0, the ACK num	4). header with Maximum Sober 1, and the data length	h 24