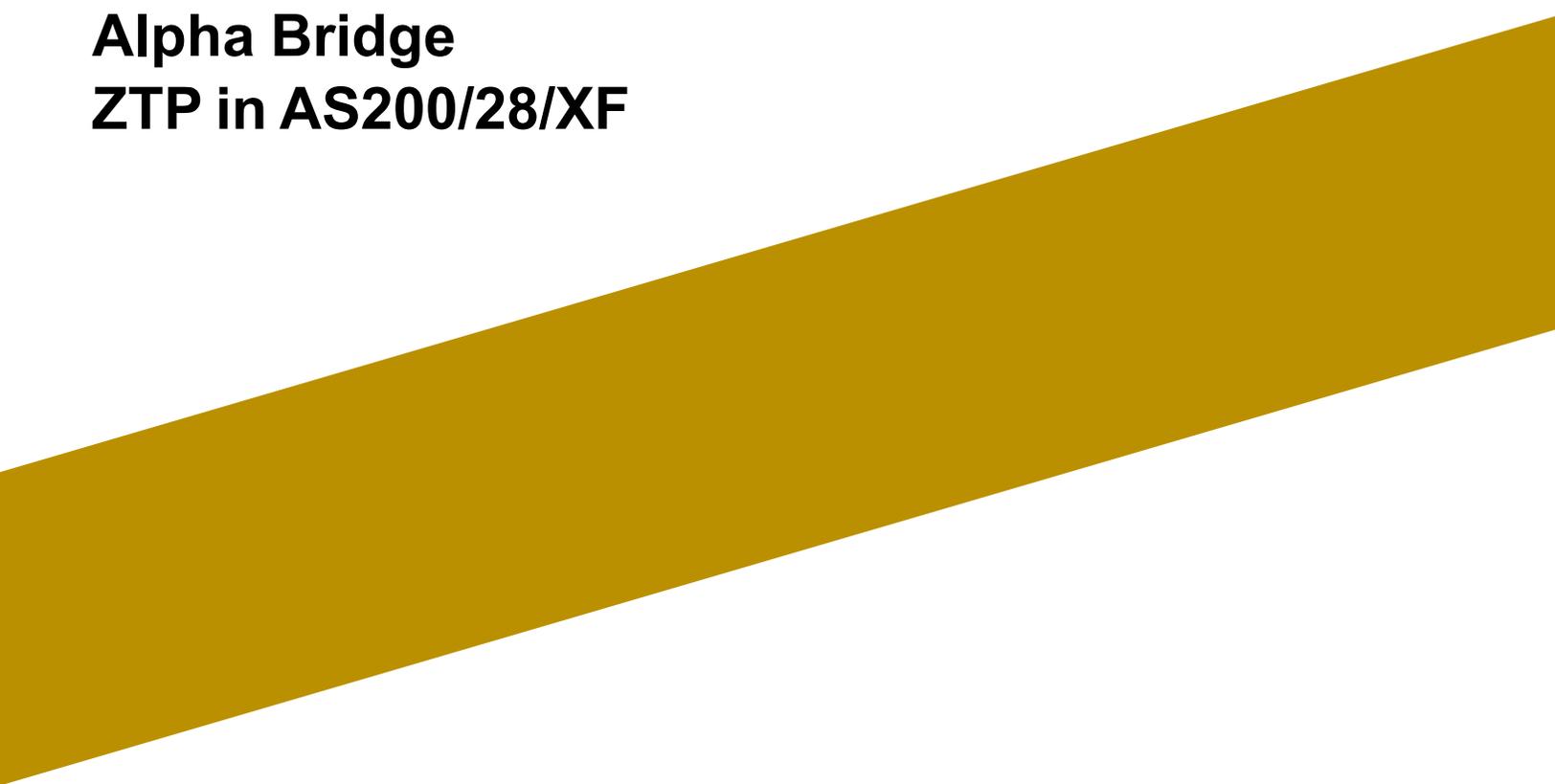
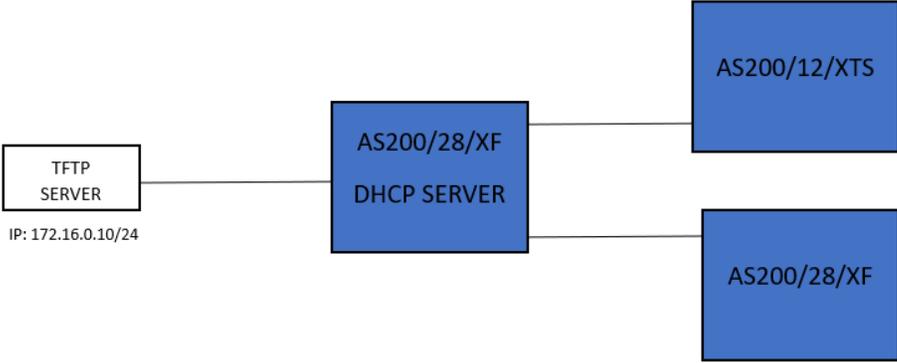


**Alpha Bridge  
ZTP in AS200/28/XF**



Test	ZTP in AS200/12/XTS and AS200/28/XF
Test procedure	 <pre> graph LR     TFTP[TFTP SERVER IP: 172.16.0.10/24] --- DHCP[AS200/28/XF DHCP SERVER]     DHCP --- S1[AS200/28/XF]     DHCP --- S2[AS200/28/XF]     S1 --- S3[AS200/12/XTS]         </pre>
configuration	<p><b>Configuration in DHCP server:</b></p> <pre> ! interface VLAN1 ip address 172.16.0.1 255.255.255.0 // assigning the ip address for vlan 1 no ip directed-broadcast ! vlan 1 ! ip dhcpd server-name 172.16.0.10 // set the TFTP server where config files are available ip dhcpd sname-option ip dhcpd bootfile-name startup-config //replace the "startuo-config" with the config file name present in the TFTP server ip dhcpd bootfile-option ip dhcpd sname-bootfile-option-force ip dhcpd pool ztp // creating the dhcp pool with name "ztp"         </pre>

```

network 172.16.0.0 255.255.255.0

range 172.16.0.2 172.16.0.50

lease 24 0 0

!

ip dhcpd enable // enabling the DHCP server in the switch

!

Configuration in AS200/12/XTS and AS200/28/XF:

!

ip dhcp client tftpdnload // enabling DHCP client to download files from TFTP

!

interface VLAN1

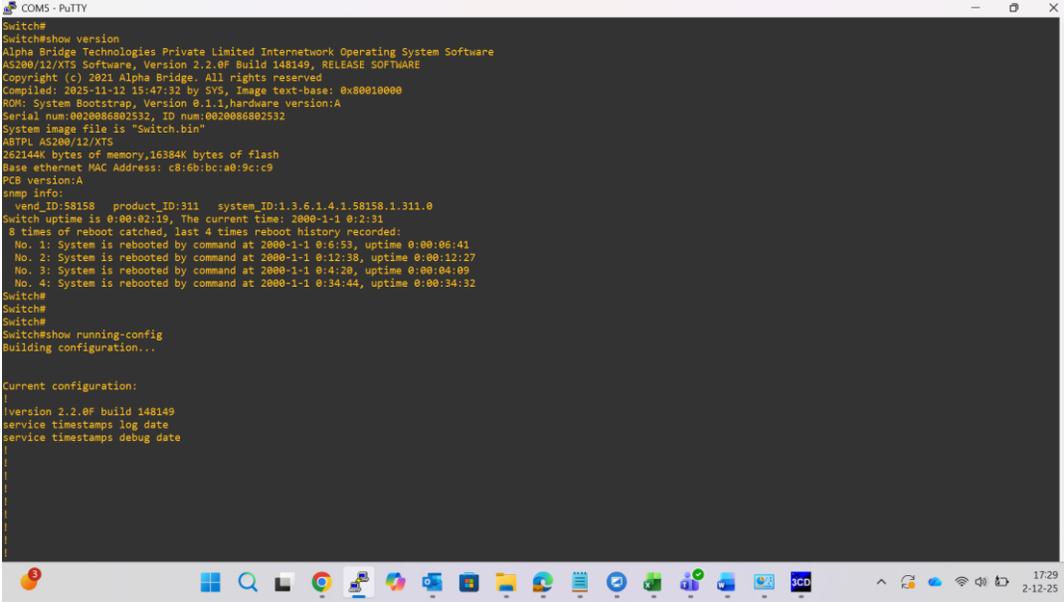
ip address dhcp

no ip directed-broadcast

!

```

test result



The screenshot shows a terminal window titled 'COMS - PuTTY' with the following output:

```

Switch#
Switch#show version
Alpha Bridge Technologies Private Limited Internetwork Operating System Software
AS200/12/XTS Software, Version 2.2.0F Build 148149, RELEASE SOFTWARE
Copyright (c) 2021 Alpha Bridge. All rights reserved
Compiled: 2025-11-12 15:47:32 by SVS, Image text-base: 0x80010000
ROM: System Bootstrap, Version 0.1.1, hardware version:A
Serial num:0020086802532, ID num:0020086802532
System image file is "Switch.bin"
ABTPL AS200/12/XTS
262144K bytes of memory,16384K bytes of flash
Base ethernet MAC Address: c8:6b:bc:a0:9c:c9
PCB version:A
snmp info:
vend_ID:58158 product_ID:311 system_ID:1.3.6.1.4.1.58158.1.311.0
Switch uptime is 0:00:02:19, The current time: 2000-1-1 0:2:31
8 times of reboot caughted, last 4 times reboot history recorded:
No. 1: System is rebooted by command at 2000-1-1 0:6:53, uptime 0:00:06:41
No. 2: System is rebooted by command at 2000-1-1 0:12:35, uptime 0:00:12:27
No. 3: System is rebooted by command at 2000-1-1 0:4:20, uptime 0:00:04:09
No. 4: System is rebooted by command at 2000-1-1 0:34:44, uptime 0:00:34:32
Switch#
Switch#
Switch#show running-config
Building configuration...

Current configuration:
!
!version 2.2.0F build 148149
service timestamps log date
service timestamps debug date

```

Config in AS200/12/XTS before DHCP ip was assigned

Config in AS200/12/XTS after the DHCP ip was assigned

```

COM5 - PuTTY
AS212XTS_config#
AS212XTS_config#
AS212XTS_config#show version
Alpha Bridge Technologies Private Limited Internetwork Operating System Software
AS200/12/XTS Software, Version 2.2.0F Build 148149, RELEASE SOFTWARE
Copyright (c) 2021 Alpha Bridge. All rights reserved
Compiled: 2025-11-12 15:47:32 by SVS, Image text-base: 0x0010000
ROM: System Bootstrap, Version 0.1.1, hardware version: A
Serial num: 0020086802532, ID num: 0020086802532
System image file is "Switch.bin"
ABTPL AS200/12/XTS
262144K bytes of memory, 16384K bytes of flash
Base ethernet MAC Address: c8:6b:bc:a0:9c:c9
PCB version: A
snmp info:
  vend_ID: 58158  product_ID: 311  system_ID: 1.3.6.1.4.1.58158.1.311.0
AS212XTS uptime is 0:00:07:42, The current time: 2000-1-1 0:7:54
  8 times of reboot caughted, last 4 times reboot history recorded:
  No. 1: System is rebooted by command at 2000-1-1 0:6:53, uptime 0:00:06:41
  No. 2: System is rebooted by command at 2000-1-1 0:12:38, uptime 0:00:12:27
  No. 3: System is rebooted by command at 2000-1-1 0:4:29, uptime 0:00:04:09
  No. 4: System is rebooted by command at 2000-1-1 0:34:44, uptime 0:00:34:32
AS212XTS_config#
AS212XTS_config#
AS212XTS_config#
AS212XTS_config#show running-config
Building configuration...

Current configuration:
!
version 2.2.0F build 148149
service timestamps log date
service timestamps debug date

hostname AS212XTS
  
```

Logs received in AS200/12/XTS at the time of fetching the configuration

```

Switch_config#
Switch_config#
Switch_config#
Switch_config#
Switch_config#
Switch_config#2000 Jan 1 00:06:58 /dynamic-config is wrote, TID:874036e0
The password cannot be the same as the previous one.
Wait for LS processing...ok!
Creating VLAN(s), please wait...
OK!
2000 Jan 1 00:07:00 %LINE-5-UPDOWN: Line on Interface VLAN200, changed state to up
2000 Jan 1 00:07:01 %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN1, changed state to down
2000 Jan 1 00:07:01 %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN1, changed state to up

AS212XTS_config#
AS212XTS_config#
  
```

Logs in TFTP server

3CDaemon

File View Help

Start Time	Peer	By...	Status
Dec 02, 2025 17:30:54	172.16.0.3	2617	TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)

Configure TFTP Server

TFTP Server is started



	<pre>Switch# Switch# Switch# Switch#2000 Jan 1 00:13:19 /dynamic-config is wrote, TID:87418fd0 The password cannot be the same as the previous one. Wait for LS processing...ok! Creating VLAN(s),please wait... OK! 2000 Jan 1 00:13:31 %LINE-5-UPDOWN: Line on Interface VLAN200, changed state to up 2000 Jan 1 00:13:32 %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN1, changed state to down 2000 Jan 1 00:13:34 %LINEPROTO-5-UPDOWN: Line protocol on Interface VLAN1, changed state to up  AS212XTS# AS212XTS# AS212XTS#</pre> <p>Logs in TFTP server</p> <table border="1"> <thead> <tr> <th>TFTP Server</th> <th>Start Time</th> <th>Peer</th> <th>By...</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td rowspan="2">  </td> <td>Dec 02, 2025 17:36:03</td> <td>172.16.0.2</td> <td>2617</td> <td>TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)</td> </tr> <tr> <td>Dec 02, 2025 17:30:54</td> <td>172.16.0.3</td> <td>2617</td> <td>TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)</td> </tr> </tbody> </table> <p>Ip bind in DHCP server</p> <pre>DHCP_server# DHCP_server#show ip dhcpd binding  172.16.0.2      c8-6b-bc-a0-bf-67      automatic TUE JAN 25 00:35:05 2000 172.16.0.3      c8-6b-bc-a0-9c-c9      automatic TUE JAN 25 00:30:05 2000 DHCP_server# DHCP_server#show ip dhcpd binding  172.16.0.2      c8-6b-bc-a0-bf-67      automatic TUE JAN 25 00:35:05 2000 172.16.0.3      c8-6b-bc-a0-9c-c9      automatic TUE JAN 25 00:30:05 2000 DHCP_server# DHCP_server#</pre>	TFTP Server	Start Time	Peer	By...	Status		Dec 02, 2025 17:36:03	172.16.0.2	2617	TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)	Dec 02, 2025 17:30:54	172.16.0.3	2617	TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)
TFTP Server	Start Time	Peer	By...	Status											
	Dec 02, 2025 17:36:03	172.16.0.2	2617	TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)											
	Dec 02, 2025 17:30:54	172.16.0.3	2617	TFTP: Successful. 2617 bytes in 0 seconds (2 Kbytes/sec)											
<p>Remarks</p>	<p>The configuration in the AS200/12/XTS and AS200/28/XF is fetching automatically from the TFTP server after enabling the DHCP client commands.</p>														