

K213868

KHIZAR ALAM

CN-LAB 05

Cisco Packet Tracer - C:\Users\Khizar\Desktop\FAST\6th Semester\CN LAB\lab 5\task1.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical 875, 932

Time: 03:41:59

Destination Type Color

Time: 03:41:59

Time: 03:41:59

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```
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Reply from 192.168.2.2: bytes=32 time=12ms TTL=127
Reply from 192.168.2.2: bytes=32 time=12ms TTL=127

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 12ms, Average = 11ms

C:\>ping 192.168.2.3

Pinging 192.168.2.3 with 32 bytes of data: 38 60

Request timed out.
Reply from 192.168.2.3: bytes=32 time=1ms TTL=127
Reply from 192.168.2.3: bytes=32 time=1ms TTL=127
Reply from 192.168.2.3: bytes=32 time=20ms TTL=127

Ping statistics for 192.168.2.3:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 20ms, Average = 7ms

C:\>ping 192.168.2.3

Pinging 192.168.2.3 with 32 bytes of data:

Reply from 192.168.2.3: bytes=32 time<1ms TTL=127
Reply from 192.168.2.3: bytes=32 time=12ms TTL=127
Reply from 192.168.2.3: bytes=32 time=9ms TTL=127
Reply from 192.168.2.3: bytes=32 time=11ms TTL=127

Ping statistics for 192.168.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 8ms

C:\>
```

Cisco Packet Tracer - C:\Users\Khizar\Desktop\FAST\6th Semester\CN LAB\lab 5\task1.pkt

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PC3

Physical Config Desktop Programming Attributes

MAIL BROWSER

Mail:

Compose Reply Receive Delete Configure Mail

	From	Subject	Received
1	Alam3868@gmail.com	Test	Sun Feb 25 2024 17:25:12

Receiving mail from POP3 Server 192.168.2.3
Receive Mail Success.

Cancel Send/Receive

Attributes

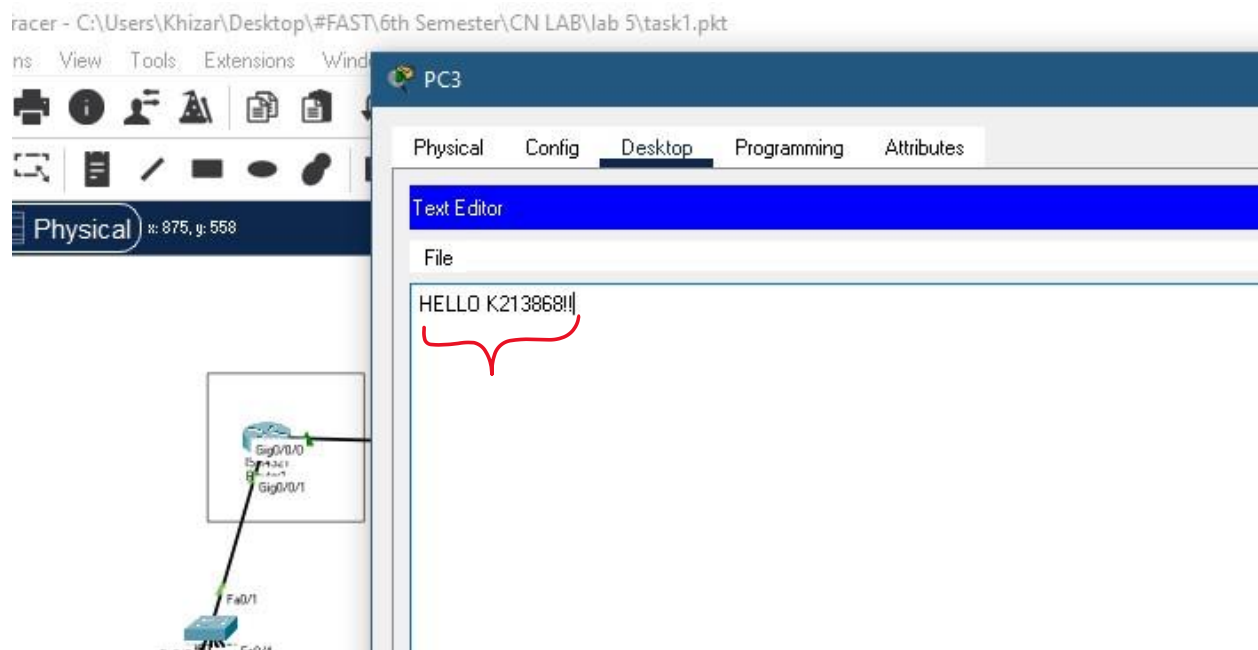
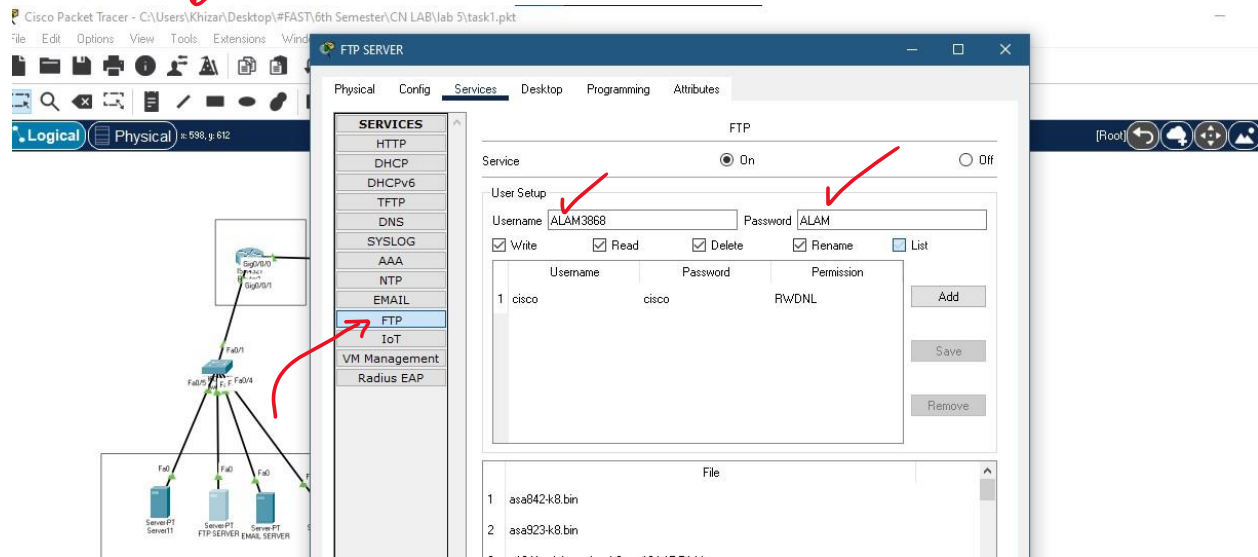
Receive Delete Configure Mail

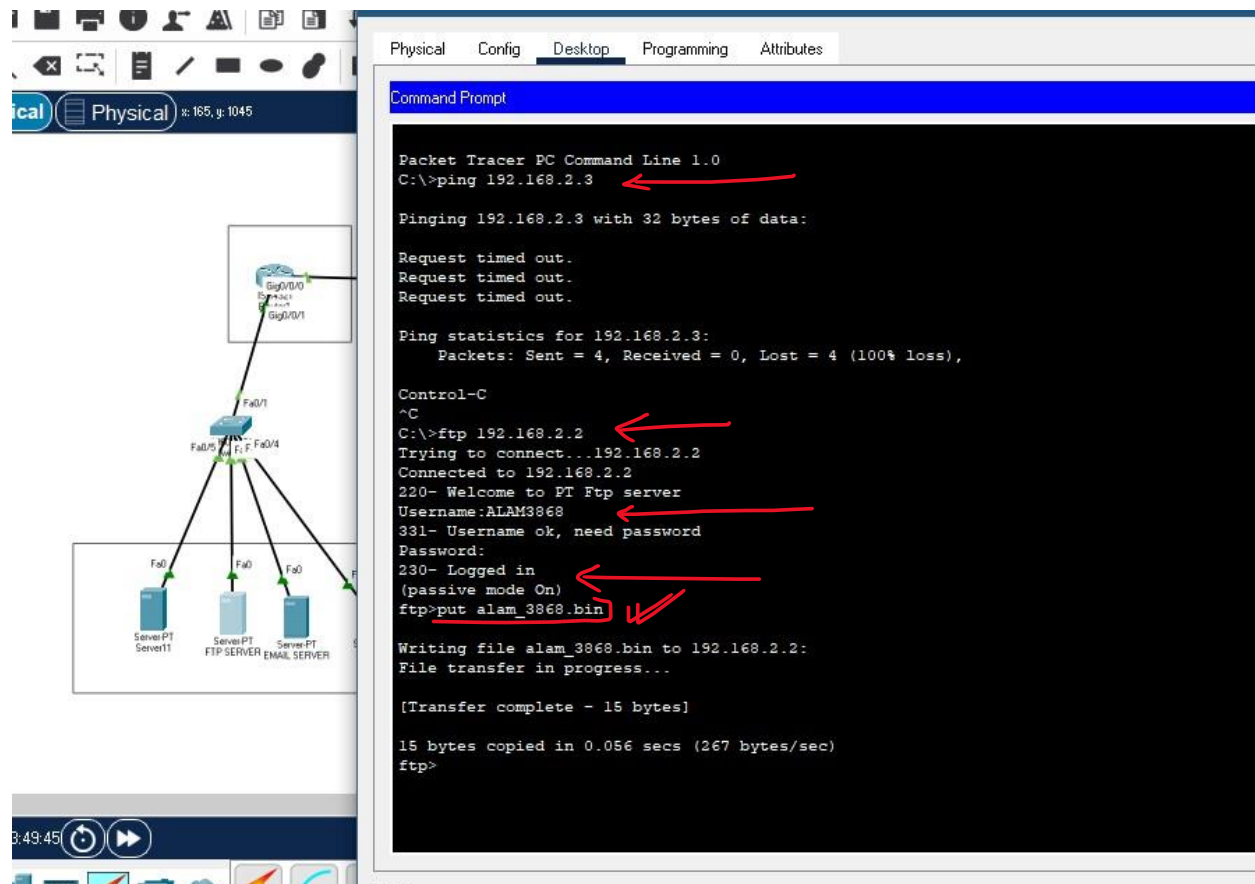
Subject Received

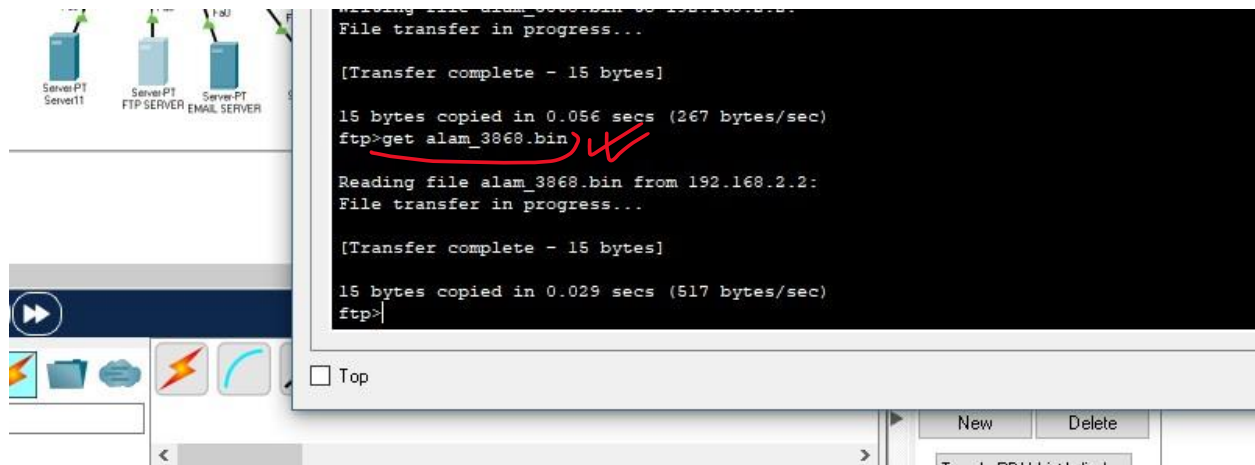
Test.. Mail

Cancel Send/Receive

Part B







```

[Transfer complete - 15 bytes]
15 bytes copied in 0.056 secs (267 bytes/sec)
ftp>get alam_3868.bin ✓
Reading file alam_3868.bin from 192.168.2.2:
File transfer in progress...

[Transfer complete - 15 bytes]
15 bytes copied in 0.029 secs (517 bytes/sec)
ftp>

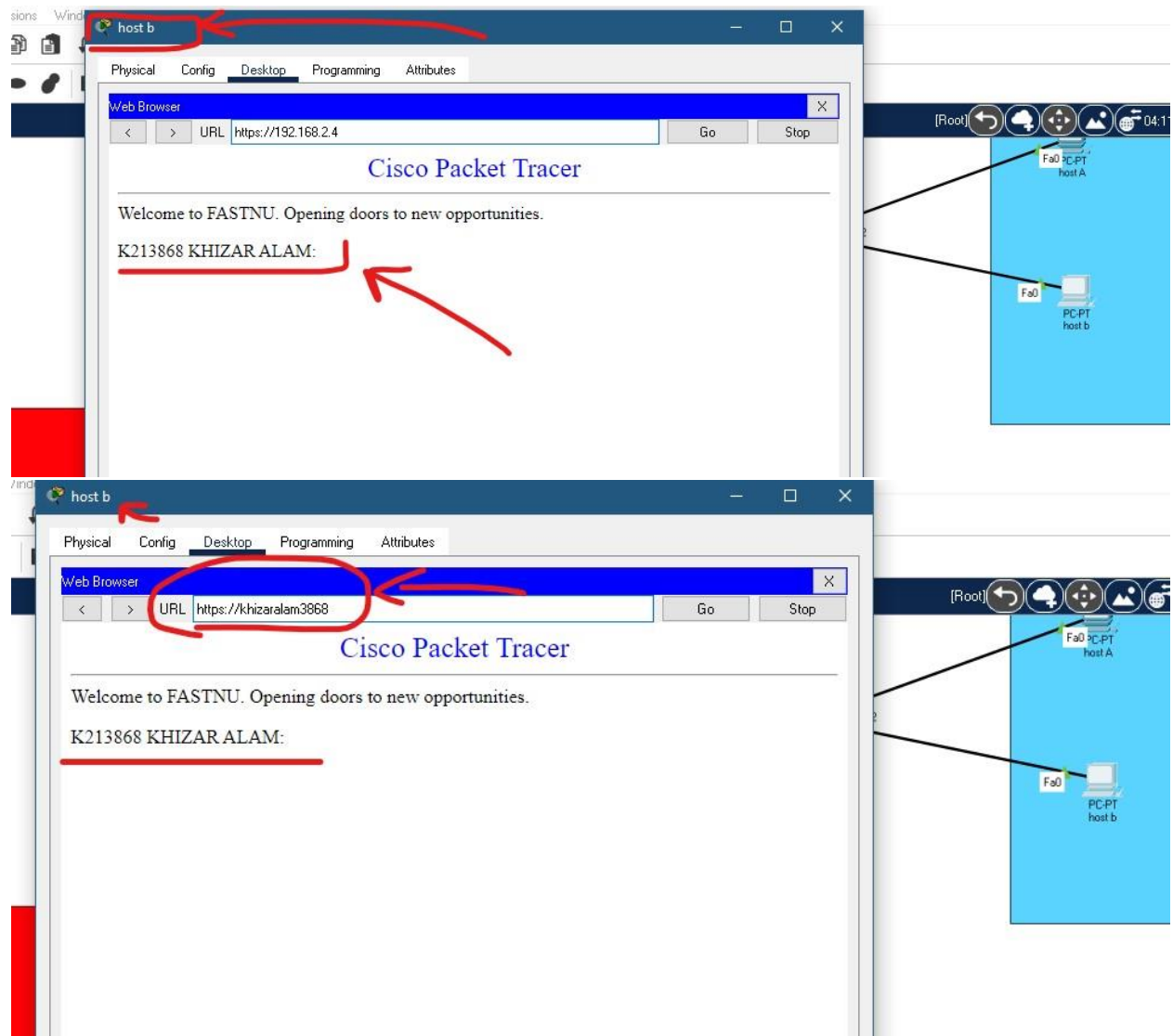
```


The image shows two overlapping screenshots of the Cisco Packet Tracer interface. The top screenshot displays the configuration of a web server named 'WEB-SERVER2'. The 'Services' tab is selected, and the 'HTTP' service is enabled. The 'File Name' field is set to 'index.html'. The HTML content is as follows:

```
<html>
<center><font size="+2" color="blue">Cisco Packet Tracer</font></center>
<hr>Welcome to FASTNU. Opening doors to new opportunities.
<p>K213868 KHIZAR ALAM</p>
</html>
```

The bottom screenshot displays the configuration of a DNS server named 'WEB-SERVER2'. The 'DNS' service is selected, and the 'DNS Service' is set to 'Off'. The 'Resource Records' section shows a record for 'khizaralam3868' with an 'A Record' type and an 'Address' of '192.168.2.4'. The record is listed in the following table:

No.	Name	Type	Detail
0	khizaralam3868	A Record	192.168.2.4



Part b:

The image displays two screenshots of a network configuration interface, likely from a Packet Tracer simulation. Both screenshots show the 'Configure Mail' window for a specific host, with red circles highlighting the configuration fields and red arrows pointing to the host name in the window title.

Host A Configuration:

- Window Title: host A
- User Information:
 - Your Name: Alam3868
 - Email Address: Alam3868@gmail.com
- Server Information:
 - Incoming Mail Server: 192.168.2.3
 - Outgoing Mail Server: 192.168.2.3
- Logon Information:
 - User Name: Alam3868
 - Password: ****
- Buttons: Save, Clear, Reset

Host B Configuration:

- Window Title: host b
- User Information:
 - Your Name: Khizar
 - Email Address: Khizar@gmail.com
- Server Information:
 - Incoming Mail Server: 192.168.2.3
 - Outgoing Mail Server: 192.168.2.3
- Logon Information:
 - User Name: Khizar
 - Password: *****
- Buttons: Save, Clear, Reset

Both screenshots also show a network diagram on the right side, indicating connections between Fa0/PC-PT host A and Fa0/PC-PT host b.

The image shows a network simulation environment with two hosts, host A and host B, connected via their Fa0/20 ports. Host A is running a 'Send Mail' window with the following details:

- To: Khizar@gmail.com
- Subject: Task 2
- Message body: Hi, I am checking SMTP task!!

Host B is running a 'MAIL BROWSER' window showing the received email. The email details are as follows:

	From	Subject	Received
1	Alan3868@gmail.com	Task 2	Sun Feb 25 2024 17:11:39

The email body content is:

Task 2
Alan3868@gmail.com
Sent: Sun Feb 25 2024 17:11:39
Hi, I am checking SMTP task!!

At the bottom of the Mail Browser window, a status message indicates: "Receiving mail from POP3 Server 192.168.2.3 Receive Mail Success."

Part c:

The screenshot displays the Cisco Packet Tracer interface with a network topology and several configuration panels.

Network Topology: A central router (R1) is connected to four switches (S1, S2, S3, S4) via their Fa0/24 ports. Each switch is connected to a server (S1-S4) via its Fa0/24 port. The servers are labeled: S1 (HTTP SERVER), S2 (FTP SERVER), S3 (EMAIL SERVER), and S4 (WEB SERVER). The router is connected to a host (PC1) via its Fa0/24 port.

Packet Tracer Configuration Panel: The 'Misc' tab is selected, showing various protocols and services. The 'HTTP' checkbox is checked, and the 'NETFLOW' checkbox is also checked. Other protocols like ACL Filter, CDP, FTP, IoT, LLDP, NTP, PPP, RADIUS, SCCP, SSH, TACACS, Telnet, VTP, Bluetooth, DTP, H.323, IPSec, IoT TCP, Meraki, PaGP, PPPoE, REP, SMTP, SNMP, SYSLOG, TCP, TFTP, UDP, and USB are listed but not checked.

Simulation Panel: The 'Event List' tab is selected, showing a list of events. The 'Visible Events' section lists various protocols and services, including ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PaGP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, and USB. The 'Event List' table shows the following events:

Vis.	Time(sec)	Last Device	At Device	Type
	4.603	Switch2	Https-S1	HTTP
	4.603	Switch2	WEB D1	HTTP
	6.245	--	Switch1	HTTP
	6.246	Switch1	Router1	HTTP
	6.246	Switch1	host b	HTTP
	6.246	Switch1	host A	HTTP

PDU Information at Device: host b: The 'Outbound PDU Details' panel shows the following information:

VER:4	IHL:5	DSCT:0x00	TL:120
ID:0x001d		FLA: ^	FRAG OFFSET:0x000
TTL:128		PRO:0x06	CHSUM
SRC IP:192.168.1.3			
DST IP:192.168.2.5			
DATA (VARIABLE LENGTH)			
TCP			
SOURCE PORT:1028		DESTINATION PORT:443	
SEQUENCE NUMBER:1			
ACKNOWLEDGEMENT NUMBER:1			
OFF SET	RES	FLAGS:0x0001	WINDOW:65535
SET	ERV	1000	
CHECKSUM:0x0000		URGENT POINTER:0x0000	

Simulation Panel: The 'Event List' tab is selected, showing a list of events. The 'Visible Events' section lists various protocols and services, including ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, EIGRP, EIGRPv6, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, NDP, OSPF, OSPFv6, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, and USB. The 'Event List' table shows the following events:

Vis.	Time(sec)	Last Device	At Device	Type
	0.005	Https-SERVER2	Switch2	ARP
	0.006	Switch2	Router1	ARP
	0.310	--	host b	HTTPS
	0.311	--	host b	HTTPS
	0.312	host b	Switch1	HTTPS
	0.313	Switch1	Router1	HTTPS
	0.314	Router1	Switch2	HTTPS
	0.315	Switch2	Https-SERVE1	HTTPS
	0.316	Https-SERVER2	Switch2	HTTPS
	0.317	Switch2	Router1	HTTPS
	0.318	Router1	Switch1	HTTPS
	0.319	Switch1	host b	HTTPS

Part d:

The screenshot displays a network simulation environment. Two servers, labeled 'Server-PT High SERVER2' and 'Server-PT FTP SERVER', are connected via their 'Fa0/0' interfaces. A terminal window shows the following output:

```
Reply from 192.168.2.2: bytes=32 time=260ms TTL=127
Reply from 192.168.2.2: bytes=32 time=11ms TTL=127

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 260ms, Average = 94ms

C:\>ftp 192.168.2.2
Trying to connect...192.168.2.2
Connected to 192.168.2.2
220- Welcome to PT Ftp server
Username:ALAM3868
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

A file upload dialog box is open, showing the file name 'khizar_3868.bin' and buttons for 'OK' and 'Cancel'. The dialog box is titled 'File Name' and has a question mark icon. The background shows a network diagram with two servers connected via Fa0/0 interfaces. The simulation is running in a 'Realtime' mode, as indicated by the 'Realtime' button in the bottom right corner.

The screenshot displays a network management interface with a terminal window and a file list. The terminal window shows the following commands and output:

```
ftp>
ftp>
ftp>put khizar_3868.bin
Writing file khizar_3868.bin to 192.168.2.2:
File transfer in progress...
[Transfer complete - 21 bytes]
21 bytes copied in 0.039 secs (538 bytes/sec)
ftp>get khizar_3868.bin
Reading file khizar_3868.bin from 192.168.2.2:
File transfer in progress...
[Transfer complete - 21 bytes]
21 bytes copied in 0.03 secs (700 bytes/sec)
ftp>
```

A red arrow points from the terminal output to the file list below. The file list shows the following entries:

File
1 ALAM3868
2 cisco
31 ir800_yocto-1.7.2.tar
32 ir800_yocto-1.7.2_python-2.7.3.tar
33 khizar_3868.bin
34 pt1000-i-mz.122-28.bin
35 pt3000-i6q4i2-mz.121-22.EA4.bin

A red circle highlights the file list, and a red arrow points to the file `khizar_3868.bin`. The interface also includes a sidebar with options like EMAIL, FTP, IoT, VM Management, and Radius EAP, and a bottom status bar with a 'Top' button and 'Destination' and 'Type' labels.