t Name :	· · · · · · · · · · · · · · · · · · ·	_	
:		_	
:		_	
ANALZING NET	WORK DATA LOG		
		in the working direct	ory. Write the
ISE 4A: TOP TAL	KERS AND LISTENERS		
ts that send out la s, usually know as	rge amount of packet and h TOP TALKERS and LISTE	nosts that receive larg	e number of
TOP 5 TALKERS			
IP addres	s # of packets	Organisat	ion
LISTENERS			
IP addres	# of packets	Organisat	ion
		ercentage of TCP and	UDP protocol
Header value			- 
i Header Value	Transport layer protocol	# of packets	%
	ANALZING NET  I be provided with in to extract the folk  EISE 4A: TOP TAI  the most common to that send out labeled as a usually known as in the organization.  TOP 5 TALKERS  IP address  IP address  IP address  IP address  EISE 4B: TRANSP	ANALZING NETWORK DATA LOG  I be provided with the data file, in .csv format, in to extract the following informations.  EISE 4A: TOP TALKERS AND LISTENERS  the most commonly used function in analyzing the tast send out large amount of packet and heart is that send out large amount of packet and heart is usually know as TOP TALKERS and LISTE in the organization who owns the IP address.  TOP 5 TALKERS  IP address # of packets  LISTENERS  IP address # of packets  LISTENERS  IP address # of packets  CISE 4B: TRANSPORT PROTOCOL  The IP protocol type attribute, determine the periods.	ANALZING NETWORK DATA LOG  If be provided with the data file, in .csv format, in the working direct in to extract the following informations.  EISE 4A: TOP TALKERS AND LISTENERS  The most commonly used function in analyzing data log is finding of the that send out large amount of packet and hosts that receive larges, usually know as TOP TALKERS and LISTENERS. Based on the date organization who owns the IP address.  TOP 5 TALKERS  IP address # of packets Organisate Orga

	Header value	Transport layer protocol	# of packets	%
1		TCP		
2		UDP		
3		Others		

# **EXERCISE 4C: APPLICATIONS PROTOCOL**

Using the Destination IP port number determine the TOP 5 most frequently used application protocol.

Rank	Destination IP port number	# of packets	Service
1			
2			
3			
4			
5			

## **EXERCISE 4D: TRAFFIC INTENSITY**

The traffic intensity is an important parameter that a network engineer needs to monitor closely to determine if there is congestion. You would use the IP packet size to calculate the estimated total traffic over the monitored period of 15 seconds. (Assume the sampling rate is 1 in 2048)

Total calculated sampled traffic (MB):

stimated Total Traffic	tal Traffic
aking into account the	ccount the
ampling rate ( MB)	; ( IVIB)

### **EXERCISE 4E: ADDITIONAL ANALYSIS**

Please described additional analysis of the data and how it is useful. Please use a separate sheet to submit your new graphs and observations. Your report for this exercise is limited to 2 pages. The answer template and the two page additional analysis are to be submitted to your e-learning drive.

# Examples

- Visulisation using scatter graph of port and IP address to determine if a specific node been port scanned by another node.
- Visualisation using network graph
- Other methods

You must analise and explain the graphs. Please do not be limited by the above examples.

#### **EXERCISE 4F: SOFTWARE CODE**

Please attach a softcopy of your code to the e-learning drive.