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C

C

C

Java PHP

Java

Java

Java

Java

Java

Java Applet

Java

Java

JDBC

Java

Java

Java GUI

Java

Java

JSP J2EE Android

TCP UDP

Packet Tracer
VMware WindowServer Web
FTP DNS E-mail DHCP Windows
Linux

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Linux

Linux

Linux

Linux

I/O

ARM

ARM

RISC

ARM

SoC

ARM

ARM

ARM

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IDE

ADW

ARM

ARM

Android

Android

Android

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SQLite
Android

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2) zigbee BT wifi

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5) NodeRed

zigbee mesh

HTTP MQTT

node-red

Web

PHP

Web

PHP

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MySQL

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Web

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Java Web

Java

Java

Java

Web

Java

TCP/IP

Java EE

Sevl et

JSP

JSP

JavaBean

Java

API

Java

Java Web

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HTML Java CSS

vxss

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Java

vx. request

C++

C++ C

C++

C++

Web

Photoshop

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Windows

Windows Server 2012

Windows

DHCP NAT Web FTP

Windows

Windows

NFS

DHCP DNS Web FTP

IP

RISC

DMA

CPU

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QT

windows

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APP

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APP

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	2		18	2			20	
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1	99000742B		2	36	32	4			2/36				
2	99000752B		3	54	48	6				3/54			
3	99000682A	1	3	20	20	0	20						
4	99000692B	2		34	30	4		34					
5	99000632A	(1)	1	8	8	0	8						
6	99000612A	(2)		8	8	0		8					
7	99000622C	(3)		8	0	8			8				
8	9900062A	(4)		8	8	0				8			
9	9900072A	(5)		8	8	0					8		
10	99000682B	(1)	3	56	30	26	4/56						
11	99000692B	(2)	4	72	46	26		4/72					
12	99000122B	(1)	2	36	4	32	3/36						
13	99000132B	(2)	2	36	4	32		2/36					
14	99000142B	(3)	2	36	4	32			2/36				
15	99000542B		3	48	24	24	4/48						
16	99000692B		2	32	4	28			32				
17	99000602A		1	16	16	0		16					
18	99000582B		2	32	16	16			32				
19	99000172B	(1)	2	12	6	6	12						
20	99000182B	(2)		12	6	6			12				
21	99000192B	(3)		12	6	6				12			
22	99000572B		2	32	28	4			32				
23	99000702B	(1)	2	16	8	8	16						
24	99000712B	(2)		16	8	8		16					
25	99000212C		2	56	0	56	56						
26	99000202A		1	12	12	0	12						
			39	716	384	332	17/264	10/182	9/156	6/106	8		
1	01079103B		2	36	18	18					2/36		
			2	36	18	18					2/36		
			41	752	402	350	17/264	10/182	9/156	6/106	3/44		

)	1	01080100B	C	6	108	54	54	7/108						
	2	01080170B	Java	4	72	36	36		4/72					
	3	01080140B		6	108	54	54		6/108					1+x
	4	01080160B		5	84	42	42		5/84					
	5	01080340B	Web	4	72	36	36	4/72						1+x
					25	444	222	222	12/180	15/264				
				25	444	222	222	12/180	15/264					
)	1	01080150B	Linux	4	72	36	36		4/72					
	2	01080130B		6	108	54	54			6/108				
	3	01080330B	Web	6	108	54	54			6/108				
	4	01080550B	(1)	4	72	36	36			4/72				
	5	01080510B	ARM	6	108	54	54				6/108			
	6	01080200B	Android	6	108	54	54				6/108			1+x
	7	01080210B	Java Web	5	96	48	48					6/96		
					37	672	336	336		4/72	16/288	12/216	6/96	
				37	672	336	336		4/72	16/288	12/216	6/96		
)	2	01080351B		4	72	36	36				4/72			4
		01080261B	C++	4	72	36	36				4/72			
	2	01080311B	U	4	64	32	32					4/64		4
		01080361B	Windows	4	64	32	32					4/64		
	2	01080291B		4	64	32	32					4/64		4
		01080321B		4	64	32	32					4/64		
	1	01080521B		4	64	32	32					4/64		4
	2	01089011A		6	108	108	0					6/108		
					34	572	340	232				8/144	24/428	
					16	264	132	132				4/72	12/192	
				16	264	132	132				4/72	12/192		
)	1	01080560C	(2)	4	64	0	64				4/64			
	2	01080400C		1	20	0	20					20		
	3	01088030C		2	48	0	48					48		

		4	01088020C		12	336	0	336						336	
					19	468	0	468				4/64	68	336	
					19	468	0	468				4/64	68	336	
					97	1848	690	1158	11/180	19/336	16/288	19/352	20/356	336	
					138	2600	1092	1508	28/444	29/518	25/444	25/458	22/400	336	
					138	2600	1092	1508	28/444	29/518	25/444	25/458	22/400	336	

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	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">1000</div> <div style="text-align: center;">5000</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">(MySQL)</div> <div style="text-align: center;">Android</div> <div style="text-align: center;">2</div> </div>
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