TCP UDP

Packet Tracer

VMWare Window Server Web

FTP DNS E-mail DHCP

Windows Linux

C

C

C Java PHP

OSI TCP/IP IP TCP UDP

ARP ICMP IP

X.25

IP

Web

WEB

PHP

HTML

PHP Cookie Session

JavaScript PHP MySQL

HTML

PHP

PHP PHP

MySQL

Windows

WindowsServer 2012

Windows

DHCP NAT WEB

FTP

Windows

Windows NTFS

DHCP DNS Web FTP

IP

Linux

Linux Linux

Linux

Web

KVM KVM

KVM

QEMU Intel KVM KVM

QEMU KVM CPU KVM

KVM

KVM KVM

libvirt

Windows Server 2012

NAS

iSCSI NAS SAN

NAS SAN

Linux

Linux

Linux

Samba

Samba

Samba

PHP

PHP PHP WEB

PHP PHP MySQL

HTML PHP

PHP PHP MySQL PHP MySQL

PHP

3 PHP

PHP

FORM PHP PHP MySQL

Cookie Session PHP

SQL

Python

Python

Python

Python

Tkinter Python

Python XML

Python

Python

SDN

OpenStack

IAAS PAAS SAAS

OpenStack

IP vlan

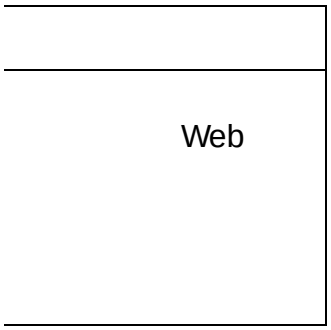
rip ospf ACL

ACL

								1		2		3					
								16	18	18	18	18	20				

	35	01040151B	PHP +	6	108	54	54				6/108		
		01040161B	ASP.net +											
				10	**180**	**90**	**90**				**10/180**		
	36	01040171B	Python	6	96	48	48					6/96	
		01040201B	Android										
	37	01040181B		4	64	32	32					4/64	
		01040191B	Linux										
	38	99000283A		1	20	20	0	20 1					
	39			1	18	9	9	5					
				12	**198**	**109**	**89**	**20**				**11/178**	
				112	**2000**	**1053**	**947**	**25/415**	**24/449**	**25/470**	**22/416**	**15/250**	
				138	**2600**	**1053**	**1547**	**25/471**	**24/449**	**25/470**	**26/488**	**20/386**	**28/336**

“ ▲ ”



4	15	16	17	18	19	20
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