



24 November 2021

#### MikroTik & VMware ESXi untuk Jaringan Kampus

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Institut Shanti Bhuana 2021/2022





#### Perkenalan

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- S1 Teknik Informatika Universitas Kristen Immanuel, Yogyakarta (2017)
- S2 Teknik Informatika Universitas AMIKOM, Yogyakarta (2019)
- Network Administrator UKRIM, Yogyakarta (2016-2018)
- System Administrator Institut Shanti Bhuana, Bengkayang, Kalimantan Barat.
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## Tipe-tipe User MikroTik

MikroTik User Meeting









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MikroTik User Meeting

MUM







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MikroTik User Meeting



Pandemi saat ini pembelajaran tentu semuanya berjalan via online. Namun hal itu menjadi tantangan bagi kami yang berada di zona perbatasan Kalimantan Barat di mana ip publik saat ini jumlahnya terbatas, dan juga koneksi kebutuhan untuk hosting ke publik semakin hari semakin banyak hal ini terjadi di kampus kami yang membutuhkan alokasi seperti website kampus, server moodle kampus, server siakad, repository, sister dikti dan lain lain.







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			Version: Build number: ESXi version: ESXi build number:	1.8.0 4: 6. 4:	
					Close
Virtual machine	~	Guest OS	~	Host name	~
🚯 VM2Linux		Ubuntu Linux	(64-bit)	vm2	
🚯 VM3Linux		Ubuntu Linux	(64-bit)	vm3	
🚯 VM4Linux		Ubuntu Linux	(64-bit)	vm4	
🚯 VM1Linux		Ubuntu Linux	(64-bit)	vm1	
🚯 Windows		Microsoft Wir	ndows 10 (6		
🚯 VM5Linux		Ubuntu Linux	(64-bit)	Unknown	

VMware ESXi™

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covered by one or more patents listed at http://www.vmware.com/go/patents

About



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General Details Certification Path

#### 🔰 Certificate Information

This certificate is intended for the following purpose(s): • Proves your identity to a remote computer

\* Refer to the certification authority's statement for details.

Issued to: \*.shantibhuana.ac.id

Issued by: Sectigo RSA Domain Validation Secure Server CA

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information technology, in the form of Inter databases, artificial intelligence, business infrastructure, human and computer interac image processing.

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#### **SOLUSI JARINGAN KAMPUS DI ERA COVID-19**

Sebagai solusi kami menerapkan VMWare untuk menghemat biaya pengeluaran daripada harus membeli pc server yang jumlahnya puluhan.Tetapi dengan keterbatasan ip publik, kami dituntut untuk mengkonfigurasi jaringan agar dapat diterapkan proxy untuk terhubung publik hanya dengan 1 ip publik saja.



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UniFi

UniFI



NIKTOTA

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Server dan Router Backbone

roolerboar

iouiierboard

## Sisi MikroTik Jaringan A

🔏 Quick Set											
CAPsMAN	Interface Interface List Eth	emet EoIP Tunnel	IP Tunnel GRE Tunne	el VLAN VRRP Bonding	LTE						
Interfaces			1							Find	
Wireless		U Detect Internet	]							Find	
Sig Bridge	Name 🗠 Typ	e A	ctual MTU L2 MTU	Tx Rx	1	fx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s) FP Rx Pac	
🚅 PPP	ether1 Ether2	em DNS Static					0	0 bp:	s Ubp:	s 0	
🛫 Switch	;;; Remote Server Latihan				Find	Ĭ		0 00	ор. Сор.		
°t% Mesh	R +> ether3 Ether	em The Market			Find	0	0	0 bp:	s Obp:	s 0	
255 IP	::: Astinet 10 Mbps	# Na	R	legexp 1.001	TTL (s) 🔻		r			2	
	K Sether4 TELKOM Eth	em 0 0	bhuana.ac.id	1.201	10				s Ubp:	s 0	
Pauling N	R «!» ether5 Eth	em 2 o	phuana.ac.id	.1.202	1d (		♦ ОК	0 bp:	s Obp	s 0	
Routing P	«-» lvpn L2T	TP 3 🛛	huana.ac.id	.1.202	1d (			0 bp:	s O bps	s O	
tige System ►	X «-» vpn PP	TP 4 🛛	iuana.ac.id	.1.203	1d (			0 bp:	s O bp:	s 0	
👳 Queues		5 0	huana.ac.id	.1.204	1d (		Apply				
Files		7 0	uana ac id	1 204	10	ata Reguesta					
Eog		8 0	ntibhuana.ac.id	.1.204	1d	lote Requests	Static				
A RADIUS		9 💿	ibhuana.ac.id	.1.220	1d (		Cache				
🗶 Tools 🗈 🗈		10 💿	tibhuana.ac.id	.1.202	1d (						
New Terminal		11 •	ntibhuana.ac.id	.1.202	1d (		s				EVICE
ala Dat1V		12 0	antibhuana.ac.id	.1.204	ld Id		s				H H
		14 0	bhuana.ac.id	.1.204	1d						
		15 💿	huana.ac.id	.1.230	1d (						
Martition											
🛃 Make Supout.rif							V:D				h
New WinBox							ND				- Friday - Friday
📕 Exit											
×											
🖁 💻 Windows 🛛 🗅		•			٠						
<u>د</u>		16 items									
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# Sisi MikroTik Jaringan A

auick Set	Interface List										۵×
CAPsMAN	Interface Interface List	Ethemet EoIP Tunne	el IP Tunnel GRI	E Tunnel VLAN VRRP	Bonding L	TE					
Interfaces						. –					[Tind
🚊 Wireless		wer Cycle					1				Fina
📲 Bridge	Name 🛆	Туре	MTU Actual M	MTU  L2 MTU  Tx	01	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)
📑 PPP	ether1	Address List			0 bps 0 bps	0 bps 0 bps	0		0 U DP 0 DD	is Ubp is Obp	s U
🛫 Switch	;;; Remote Server Latihar	+ - < ×	A 1	Find	0.000				с ор	с ор	
°t <mark>8</mark> Mesh	R «I» ether3	Address	A Network	Interface 🗸	0 bps	0 bps	0	) (	) 0 bp	os Obp	s 0
255 IP 🗅	R stinet 10 Mbps	::: SERVER			365.3 kbps	401.0 kbps	677	671	0 bp	s Obn	s 0
🖉 MPLS 🛛 🗅	;;; WIFI dan LAN	÷.		ether3	000.010000	101.01.000		0,1	000	о ор	•
😹 Routing 🛛 🗅	R «I» ether5	::: WA		ether4 TELKOM	9.6 kbps	12.1 kbps	10	14	0 bp	os Obp	s 0
🎲 System 🗅		::: LAN									
Queues		÷		ether2							
Files		<b>.</b>		etherb							
Log											
🧟 RADIUS											
🔀 Tools 🛛 🔿											
Mew Terminal											
Dot1X											
🔜 MetaROUTER											
Partition											
🗋 Make Supout.rif		4 items									
New WinBox	Ľ	1									
Exit											
<											
Windows 🗅											
2											
2											
5	•										٠

# Sisi MikroTik Jaringan A

🔏 Quick Set	IP Service List				
CAPsMAN					Find
🛲 Interfaces	Name	/ Port	Available From	Certificate	
Wireless	X @ api	872	8	Continuato	
📲 🖁 Bridge	X @ api-ssl			none	
📑 PPP	● ftp		7		
🛫 Switch	X @ telnet				
°t¦8 Mesh	winbox				
255 IP 🛛 🔿	X @ www-sel			none	
🖉 MPLS 🛛 🔿				nono	
😹 Routing 🛛 🗅					
🎲 System 🗅					
Queues					
📄 Files			•		
📄 Log					
🧟 RADIUS					
🄀 Tools 🛛 🗅					
New Terminal					
Dot 1X					
🛃 MetaROUTER					
🕭 Partition					
[] Make Supout.rif					
New WinBox					
Exit					
Windows					

6	on	RR1	1004Hy4	(arm)
	υn	1/10/1	TOURI IA4	ann

Session S

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WinB

RouterO

🎢 Quick Set

# Sisi MikroTik Jaringan B

CAPsMAN	Interface Interface Lis	st Ethernet Eo	DIP Tunnel IP Tunnel	GRE Tunnel	VLAN VRRP Bondir	na							
Interfaces													Fired
Wireless			tect Internet										Fina
Bridge	Name	△ Type	Actual MTU	L2 MTU Tx	Rx	T	x Packet (p/s)	Rx Packet (p/s)	FP Tx	FP R	x	FP Tx Packet (p/s) FP	Rx Packet (p/s)
📑 PPP	;;; ISP - A 125 Mbps in R 4!s ether1	Ethernet	1500	1592	1115 3 kbps	1198.7 kbps	29	1 3	20	1192.5 kbps	10.8 Mbos	397	1 272
💬 Switch	::: ISP -B 20 Mbps Ind	lihome	1000	1332	1113.5 Kbps	1150.7 КБра	2.0	5	20	1102.0 K0p8	10.0 1000	307	12/2
°T <sup>e</sup> Mesh	ether2	Ethernet	1500	1592	0 bps	0 bps	(	)	0	0 bps	0 bps	0	0
255 IP	::: ISP -C 5 Mbps Astir	net	1500	4500	400.011	10.011				100 511	10.011	00	22
Z MPLS N	R <i>ether3</i>	Ethemet	1500	1592	0 bos	12.6 Kbps 0 bps	10	3	0	132.5 KDps 0 bps	13.6 KDps 0 bps	23	22
Bouting	ether5	Ethemet	1500	1592	0 bps	0 bps		, ,	0	0 bps	0 bps	0	0
	ether6	Ethemet	1500	1592	0 bps	0 bps	(	)	0	0 bps	0 bps	0	0
System -	::: WIFI OUTDOOR	Dhamat	1500	1500	0 has	0.6			0	0.6	0.6	0	0
Queues	WIFLHOTSPOT LC	DGIN	1000	1592	Ubps	Ubps		J	0	Ubps	U DPS	U	U
Files	R <> ether8	Ethemet	1500	1592	1195.1 kbps	1069.4 kbps	31	) 2	83	10.8 Mbps	1171.9 kbps	1 255	385
Log	::: WIFI REKTORAT				-								
🥵 RADIUS	R <> ether9	Ethemet	1500	1592	14.7 kbps	25.9 kbps	1	1	13	12.8 kbps	23.3 kbps	9	11
🄀 Tools 🗈 🗅	R 4: ether10	Ethemet	1500	1592	0 bos	0 bps		1	0	0 bps	0 bps	0	0
New Terminal	R <b>«</b> » ether11	Ethemet	1500	1592	0 bps	512 bps		j	1	0 bps	480 bps	Ű	1
Dot1X	ether12	Ethemet	1500	1592	0 bps	0 bps	(	)	0	0 bps	0 bps	0	0
🕭 Partition	ether13	Ethemet	1500	1592	0 bps	0 bps		)	0	0 bps	0 bps	0	0
🛄 Make Supout.rif	Interface <ether1></ether1>												
🛃 Make Supout.rif 😧 Manual	Interface <ether1></ether1>	con Protect Ove	orall State Ry State 1	Cy State Statue	Traffic								
Make Supout.rif Manual New WinBox	Interface <ether1> General Ethemet L</ether1>	.oop Protect Ove	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic								ОК
Make Supout.rif Manual New WinBox	Interface <ether1> General Ethemet L Tx/Rx Rate:</ether1>	Loop Protect Ove	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic		/ 1198.7 kbps					<b>•</b>	OK Cancel
<ul> <li>Make Supout.rif</li> <li>Manual</li> <li>New WinBox</li> <li>Exit</li> </ul>	Interface <ether1> General Ethemet L Tx/Rx Rate: Tx/Rx Packet Rate:</ether1>	.oop Protect Ove 1115.3 kbps 290 p/s	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s					<b>•</b>	OK Cancel
Make Supout.rif Manual New WinBox Exit	Interface <ether1> General Ethemet L Tx/Rx Rate: Tx/Rx Packet Rate: FP Tx/Rx Rate:</ether1>	Loop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps						OK Cancel Apply
Make Supout.rif Manual New WinBox Exit	Interface <ether1>       General     Ethemet       Tx/Rx     Rate:       Tx/Rx     Packet       FP     Tx/Rx       FP     Tx/Rx       FP     Tx/Rx</ether1>	.oop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps	rerall Stats Rx Stats 1	īx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps						OK Cancel Apply Disable
Make Supout.rif Manual New WinBox Exit	Interface <ether1> General Ethemet L Tx/Rx Rate: Tx/Rx Packet Rate: FP Tx/Rx Packet Rate:</ether1>		erall Stats Rx Stats 1	Tx Stats Status	s Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s						OK Cancel Apply Disable Comment
Make Supout.rif Manual New WinBox Exit	Interface <ether1>         General       Ethemet       L         Tx/Rx Rate:       Tx/Rx Packet Rate:         FP Tx/Rx Rate:       FP Tx/Rx Rate:         FP Tx/Rx Packet Rate:       Tx/Rx Packet Rate:</ether1>	Loop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps 397 p/s 9.8 GiB	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK Cancel Apply Disable Comment Torch
Make Supout.rif Manual New WinBox Exit	Interface <ether1>         General       Ethemet       L         Tx/Rx Rate:       Tx/Rx Packet Rate:         FP Tx/Rx Rate:       FP Tx/Rx Rate:         FP Tx/Rx Packet Rate:       Tx/Rx Bytes:</ether1>	Loop Protect         Over           1115.3 kbps         290 p/s           1192.5 kbps         397 p/s           9.8 GiB         9.8 GiB	erall Stats Rx Stats 1	Tx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK Cancel Apply Disable Comment Torch Cable Test
Make Supout.rif Manual New WinBox Exit	Interface <ether1>         General       Ethemet       L         Tx/Rx Rate:       Tx/Rx Packet Rate:         FP Tx/Rx Packet Rate:       FP Tx/Rx Packet Rate:         Tx/Rx Packet Rate:       Tx/Rx Bytes:         Tx:       1115.3 kbps</ether1>	Loop Protect         Ove           1115.3 kbps         290 p/s           290 p/s         1192.5 kbps           397 p/s         397 p/s	erall Stats Rx Stats 1	Tx Stats Status	Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK       Cancel       Apply       Disable       Comment       Torch       Cable Test       Blink
Make Supout.rif Manual New WinBox Exit	Interface <ether1>         General       Ethemet       L         Tx/Rx Rate:       Tx/Rx Packet Rate:         FP Tx/Rx Packet Rate:       FP Tx/Rx Rate:         FP Tx/Rx Packet Rate:       Tx/Rx Bytes:         Tx:       1115.3 kbps         Rx:       1198.7 kbps</ether1>	Loop Protect         Ove           : 1115.3 kbps         :           : 290 p/s         :           : 1192.5 kbps         :           : 397 p/s         :           : 9.8 GiB         :	erall Stats Rx Stats 7	Tx Stats Status	3 Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK       Cancel       Apply       Disable       Comment       Torch       Cable Test       Blink       Reset MAC Address
Make Supout.rif Manual New WinBox Exit	Interface <ether1>         General       Ethemet       L         Tx/Rx Rate:       Tx/Rx Packet Rate:         FP Tx/Rx Rate:       FP Tx/Rx Rate:         FP Tx/Rx Packet Rate:       Tx/Rx Bytes:         Tx:       1115.3 kbps         Rx:       1198.7 kbps</ether1>	Loop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps 397 p/s 9.8 GiB	erall Stats Rx Stats 1	Tx Stats Status			/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK       Cancel       Apply       Disable       Comment       Torch       Cable Test       Blink       Reset MAC Address       Reset Counters
Make Supout.rif Manual New WinBox Exit	Interface <ether1> General Ethemet L Tx/Rx Rate: Tx/Rx Packet Rate: FP Tx/Rx Packet Rate: FP Tx/Rx Packet Rate: Tx/Rx Bytes: Tx: 1115.3 kbps Rx: 1198.7 kbps</ether1>	Loop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps 397 p/s 9.8 GiB	erall Stats Rx Stats 7	Tx Stats Status			/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK         Cancel         Apply         Disable         Comment         Torch         Cable Test         Blink         Reset MAC Address         Reset Counters
Make Supout.rif Manual New WinBox Exit	Interface <ether1> General Ethemet L Tx/Rx Rate: Tx/Rx Packet Rate: FP Tx/Rx Packet Rate: FP Tx/Rx Packet Rate: Tx/Rx Bytes: Tx: 1115.3 kbps Rx: 1198.7 kbps Tx Packet: 290 p/ Rx Packet: 320 p/</ether1>	Loop Protect Ove 1115.3 kbps 290 p/s 1192.5 kbps 397 p/s 9.8 GiB (s (s (s	erall Stats Rx Stats 7	Tx Stats Status	3       Traffic         3       Traffic		/ 1198.7 kbps / 320 p/s / 10.8 Mbps / 1 272 p/s / 47.0 GiB						OK       Cancel       Apply       Disable       Comment       Torch       Cable Test       Blink       Reset MAC Address       Reset Counters

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46.6 on RB1100AHx4 (arm)

## Sisi MikroTik Jaringan B

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			00 Reset County	ers 00 Reset All Co	unters											
			BU Headt Count													
	#	Action	Chain	Src. Address	Dst. Address	Protocol	Src. Port	Dst. Port	In. Inter	Out. Int	In. Inter	Out. Int	Src. Ad	Dst. Ad	Bytes	Packets
	0	<pre>accept</pre>	prerouting	50.50.50.0/24	50.50.50.0/24										0 8	0
		<pre>accept</pre>	prerouting	50.50.50.0/24	10.10.10.0/30										0 8	0
	2	<pre>accept</pre>	prerouting	50.50.50.0/24	20.20.20.0/30										0 8	0
	3	accept	prerouting	60.60.60.0/24	60.60.60.0/24										0.8	0
Þ	4	<pre>accept</pre>	prerouting	60.60.60.0/24	20.20.20.0/30										0 8	0
N	5	<pre>accept</pre>	prerouting	60.60.60.0/24	10.10.10.0/30										0 8	0
	6	accept	prerouting	90.90.90.0/24	90.90.90.0/24										500.3 KiB	6 184
P		<pre>accept</pre>	prerouting	90.90.90.0/24	10.10.10.0/30										1523.9 KiB	22 848
Þ	8 X	✓ accept	prerouting	90.90.90.0/24	20.20.20.0/30										0 8	0
	9	accept	prerouting	192.168.20.0/23	192.168.20.0/23										10.2 MiB	112 093
	10	<pre>accept</pre>	prerouting	192.168.20.0/23	10.10.10.0/30										4005.0 KiB	58 319
	11 X	accept	prerouting	192.168.20.0/24	20.20.20.0/30										0 8	0
	12	<pre>accept</pre>	prerouting	/0./0./0.0/24	/0./0./0.0/24										288 B	3
	13	<pre>accept</pre>	prerouting	/0./0./0.0/24	20.20.20.0/30										0 B	0
	14 X	accept	prerouting	/0./0./0.0/24	10.10.10.0/30										0 8	0
Þ	15	<pre>accept</pre>	prerouting	100.100.100.0/27	100.100.100.0/27										/5.9 KiB	925
ninal	16	accept	prerouting	100.100.100.0/27	36.94.35.23										0 B	0
	17 X	✓ accept	prerouting	100.100.100.0/27	20.20.20.0/30										0 B	0
	18 X	✓ accept	prerouting	100.100.100.0/2/	10.10.10.0/30										0 B	0
	19	accept	prerouting	110.110.110.0/25	110.110.110.0/25										322.2 KiB	3 441
out rif	20	accept	prerouting	110.110.110.0/25	10.10.10.0/30										1959.1 KiB	28 724
	21 X	accept	prerouting	110.110.110.0/25	20.20.20.0/30										0 B	0
	22	mark connection	prerouting						ether1						56.9 MiB	271 719
lox	23	🖉 mark routing	output												1950.3 KiB	11 103
	24	mark connection	prerouting						ether2						0 B	0
	25	🖉 mark routing	output												0 B	0
	26	mark connection	prerouting						ether3						1367.4 KiB	21 666
	27	🖉 mark routing	output												4069.5 KiB	14 377
	28	mark routing	prerouting										Group-A		8.8 GiB	20 442 518
	29	mark routing	prerouting										Group-B		800 B	8
	30	mark routing	prerouting										Group-C		3361.4 KiB	36 223
	::: IC	MP														
	31	🥒 mark packet	prerouting			1 (icmp)									3939.7 KiB	36 698
	32	🥒 mark packet	postrouting			1 (icmp)									15.6 MiB	74 428
	iw ::: wi	fi Hotspot eth7														
	33	🖋 mark packet	postrouting		70.70.70.0/24	!1 (icmp)				ether7					0 B	0
	34	🖋 mark packet	prerouting	70.70.70.0/24		!1 (icmp)			ether7						0 B	0
	::: wì	fi Hotspot eth8														
	35	🖋 mark packet	postrouting		192.168.20.0/23	!1 (icmp)				ether8					20.8 GiB	20 372 595
	36	🖋 mark packet	prerouting	192.168.20.0/23		!1 (icmp)			ether8						5.2 GiB	10 715 785
	::: PI	MPINAN_RUANGRAPAT														
	37	🖋 mark packet	postrouting		90.90.90.0/24	!1 (icmp)				ether9					9.4 GiB	8 874 527
	38	mark packet	prerouting	90.90.90.0/24		!1 (icmp)			ether9						2301.5 MiB	5 258 784

Sazriel (

Session

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he Quick Set

Firewall

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🔘 az	i.46.6 on RB1100AHx4 (arm)		
Sessio		C' ' D 4'I	
			rolik larıngan K
Quick Set	Hotspot		I U HIN JAHINGAH D
	Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports Walled Gar	•	<b>U</b>
1 Wireless			Find
Bridge	Name 🖉 Session Time Idle Timeout Shared U Rate Limit (rx/tx)		
📑 PPP	*		
🛫 Switch	Initial         Initial <thinitial< th=""> <thinitial< th=""> <thi< td=""><td></td><td></td></thi<></thinitial<></thinitial<>		
°t\$ Mesh	R mhs none 220		
E IP			
MPLS F			
Routing	Hone 30 35M735M 070 070 7 10M710M		
Oueues			
Files	General Queue Scripts		
E Log	Name: dosen		Cancel
A RADIUS	Address Pool: hs-pool-8		Apply
🄀 Tools 🛛 🗅	Session Timeout:		Conv
📰 New Terminal	Idle Timeout: none		
Dot 1X	Keepalive Timeout: 08:00:00		Remove
Partition	Status Autorefresh: 08:00:00		
Make Supout.rif			
Manual	Shared Users: 100	<b>^</b>	
Evit	Rate Limit (rx/tx): 45M/45M 0/0 0/0 0/0 6 40M/40M	▲	
	Add MAC Cookie		
	MAC Cookie Timeout: 1d 00:00:00		
	Addeen List		
		<b>T</b>	
		•	
X	Incoming Packet Mark: wifihotpsoteth8-Upload		
nBc	Outgoing Packet Mark: wifihotpsoteth8-Download		
N N	Open Status Page: always		
S	Transparent Proxy		
<u>6</u>			
Ite			
Sol	8 items (1		
		_	22
🕂 🔎 Type he	ere to search 🛛 🖸 🔁 💽	💽 📴 <	27℃ Cerah へ Θ 記 4) IND 09.30 23/11/2021

## Sisi MikroTik Jaringan B

CAPsMAN	Simple Queues Interface		Types										
🛲 Interfaces			Types										
Wireless	+ - 🗸 🗙 🗀	T 00 Reset Counters 00	Reset All Counters										Find
Bridge	Name	1	Parent	Packet Marks		Priority	Limit At (b	. Max Limit A	vg. Rate	Queued Byt Bytes	-	Packets	
	00-ICMP		global	icmp			1 512	c 728k	176 bps	0 B	16.7 MiB	91 785	
	01-DOWNLOAD		global				2		4.2 Mbps	0 B	46.1 GiB	43 160 259	•
🛫 Switch	01-WIFIHOTSP	OTDOSENSTAFF-dn	01-DOWNLOAD				8 75N	1 90M	3.7 Mbps	0 B	21.5 GiB	21 055 371	
°t¦8 Mesh	WIFI REKTO	ORAT DOSEN STAFF STAKEH	01-WIFIHOTSPOTD	wifihotpsoteth8-Dov	vnload		4 60N	1 68M	3.7 Mbps	0 B	21.5 GiB	21 055 371	
255 IP	01-WIFI_MAHA	SISWA-dn	01-DOWNLOAD				4 18N	1 20M	0 bps	0 B	0 B	0	
	1-WIFIHOTS	SPOT-dn	01-WIFI_MAHASIS	wifihotpsoteth7-Dov	wnload		4 15N	1 20M	0 bps	0 B	0 B	0	
WPLS P	LABORATORIU	JM-UTAMA-TOTAL-dn	01-DOWNLOAD				7 20N	1 25M	0 bps	0 B	15.2 GiB	13 218 792	
🎉 Routing 🛛 🗅	E LABORATO	RIUM_UTAMA_Download	LABORATORIUM-U	LABORATORIUM_	UTAMA_Download		7 191	1 20M	0 bps	0 B	15.2 GiB	13 218 792	
🎒 System 🗅	E PIMPINANRAP	AI-IOIAL-dn	01-DOWNLOAD				3 59N	1 60M	530.0 kbps	0 8	9.4 GiB	8 884 /3/	
		RUANGRAPA1_Download	PIMPINANRAPAT-T	PIMPINAN_RUAN	GRAPAT_Download		3 54N	1 55M	530.0 kbps	0 B	9.4 GiB	8 884 /3/	
	E 02-UPLOAD		global				2 001		/24.6 kbps	0 B	9.6 GIB	22 859 959	
Files			02-UPLOAD				8 28N	1 50M	559.9 Kbps	0.8	5.3 GIB	10 8/4 96/	
🖹 Log		SISWA	01-WIFIHUTSPUTD	wirinotpsotetna-Upi	oad		2 ZOIV	401/1	0053.9 KDps	0.8	5.3 GIB	10 8/4 96/	
RADIUS		SISWA-up	02-UPLOAD	wifth at a stath 7 Hall			4 21	1 814	0 bps	0.8	0.8	0	
				winnotpsotetn/-Opi	080		4 ZN	1 OIVI A 21M	0 bps	0.0	214C 9 MiD	0 202 202	
					UTAMA Upland		5 220	1 3111	0 bps	0.0	2140.0 MID	6 730 330	
🔚 New Terminal				LABORATORIUM_			3 290	1 30M	164 6 kbps	0.8	2140.0 MID 2299 1 MiB	5 246 596	
♦ Dot1X		RUANGRAPAT Upload	PIMPINANRAPAT.T	PIMPINAN RUAN	SRAPAT Upload		3 380	40M	164.6 kbps	0.8	2299 1 MiB	5 246 596	
Partition	<u> </u>						5 500	1 4014	104.0 Кора	00	2200.1 MiD	5 240 550	
	Interface List												
Make Supout.nf													
💜 Manual	Interface List	t Ethemet EoIP Tunnel IP	lunnel GRE lunnel	VLAN VRRP BO	onding LIE								
🔘 New WinBox 🚽	4 <b>x</b>	Detect Internet											Find
📕 Exit				-				() <b>50 T</b>			<b>FD T</b> D		
	Name /	Iype Actual	MTU LZMTU IX	1	tx IIII	Tx Packet (p/s)	Rx Packet (p	o/s)  FP Ix		FP Rx	FP Tx Pa	acket (p/s)   FP Rx Pack	(et (p/s)
	;;; ISF - A 125 WDps in D als other1	Dihomet Mix GGC	1500 1500	010 7khaa	22.2 Mbaa	70		2 520	040 766	20	0 Mhaa	602	2.241
	··· ISP -P 20 Mbos Indi	Eineme	1000 1002	JTU.7 KDps	SS'S MUDA	70;	2	3 320	040.7 KD	ps 20.	U MDDS	003	2 241
	ISF -B 20 Mbps Indi	Ethemet	1500 1592	0 boe	0 bos		n	0	0.6	D2	0 bos	0	0
	··· ISP -C 5 Mbns Astin	et	1500 1552	0 003	0 005		5	0	00	pa pa	0 Dps	U	0
	R #!s ether3	Ethemet	1500 1592	157.1 kbps	9.5 kbps	1(	5	11	189.2 kb	ns 14	3 khns	21	17
	ether4	Ethemet	1500 1592	0 bps	0.5 Kbps		, 1	0	05.210	ps 14 ns	0 hps	0	0
	ether5	Ethemet	1500 1592	0 bps	0 bps			0	0 b	DS	0 bps	0	ő
	ether6	Ethemet	1500 1592	0 bps	0 bps		n n	0	0 b	DS	0 bps	0	0
	WIFLOUTDOOR		1000	0.000	C CPC		-				0.000	•	•
	ether7	Ethernet	1500 1592	0 bps	0 bps	(	0	0	0 b	DS	0 bps	0	0
	WIFI HOTSPOT LO	OGIN						-		-		-	-
	R « + ether8	Ethernet	1500 1592	33.9 Mbps	786.1 kbps	3 52	1	646	19.8 Mb	ps 766	2 kbps	2 169	541
	::: WIFI REKTORAT										•		
	R <> ether9	Ethernet	1500 1592	27.8 kbps	47.6 kbps	2	В	27	191.2 kb	ps 82	1 kbps	57	51
	::: LAB KOMPUTER												
	R <> ether10	Ethernet	1500 1592	0 bps	0 bps	(	D	0	0 b	ps	0 bps	0	0 23
	R <> ether11	Ethemet	1500 1592	0 bps	5.8 kbps	(	0	4	0 b	ps 3	9 kbps	0	3
	ether12	Ethernet	1500 1592	0 bps	0 bps	(	0	0	0 b	ps	0 bps	0	0
	WW CUTOT 12												

het Quick Set

Queue List

## Sisi CPANEL



Zone Editor					
DNS converts domain names into c	omputer-readable IP addresses. Use this feature to ma	anage DNS zones. For more information, read the <u>c</u>	documentation.		
Domains					
Filter by domain	Q			Image: Control of the second secon	
Domain 🔨	Actions				
	+ A Record + CNAME Record	+ MX Record / Manage			
kampusq.	ac.id				

## Sisi CPANEL



Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.



Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.

•			• -	ð ×
÷			Q	☆ <b>≗</b> :
vm			I Help + I 🔍	Search -
	apserver			
🛐 🐻 🖬 🎢 Navigator	Get vCenter Server 1 Creater Version: 6.5.0 (Bu State: Normal () Uptime: 0.26 days	Register VM   🕞 Shut down 💽 Reboot   ( 14 4887370) not connected to any vCenter Server) s	CPU USED: 1.3 GHz MEMORY USED: 22.7 GB STORAGE USED: 691.44 GB	FREE: 15.5 GHz 8% CAPACITY: 16.8 GHz FREE: 56.49 GB 29% CAPACITY: 79.19 GB FREE: 1.14 TB 37% CAPACITY: 1.81 TB
6	+ Hardware			
2	Manufacturer	LENOVO		
B	Model	System x3550 M5: -[8869AC1]-		
	+ 🔲 CPU	8 CPUs x Intel(R) Xeon(R) CPU E5-2620 v4 @ 2.	10GHz	
	Memory	79.19 GB		
	Virtual flash	0 B used, 0 B capacity		
	🖹 Recent tasks			
	Task v Target	V Initiator V Queued V S	tarted v Result	✓ Completed ▼ ✓

Pada VM aplikasi terpasang dan ← → sudah bisa diakses menggunakan IP address VM tersebut secara langsung.



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Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.

					20	21/11/23 12: shserver	2.82%	_				
-						PCPU 0	0.75%	_				
Pe	rformance	Hardware	Events	Tasks L	Logs	PCPU 1	1.06 %					
						PCPU 2	1.27 %					
	PU	<ul> <li>Defa</li> </ul>	ault colors	• La	ast 👘	PCPU 3	1.30 %	1		Q. Filter s	eries	
2						PCPU 4	0.51 %					
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at Ch						PCPU 6	0.57 %				IM	
2 2	50					PCPU 7	1.11 %				.NY	
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i ling	0	Anna	50			PCPU 8 PCPU 9	5.16 % 0.98 %	4.4 0	12.22	1231		20
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Consum	0 11:39	11::	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11	5.16 % 0.98 % 1.15 % 2.92 %	4.4.	12:23	12:31	12	39
Consur	11:39	11:	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12	5.16 % 0.98 % 1.15 % 2.92 % 1.23 %	A.A. A	12:23	12:31	12:	39
Z Consum	0.4.5 11:39 ame	11:	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 %	a.A.a age v	12:23 Maximum v	12:31 Minimum v	12: Latest	39
Consum	0 11:39 ame		50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13 PCPU 14	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 % 1.73 %	a.A.a age ~	12:23 Maximum ~ 42.74	12:31 Minimum ~ 0.31	Latest 2.59	39
Consum	0 A 11:39		50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13 PCPU 14 PCPU 15	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 % 1.73 % 1.29 %	a_A_a sge ∨	12:23 Maximum ~ 42.74 27.62	12:31 Minimum ~ 0.31 0.16	12: Latest 2.59 1.33	39
	0 A 11:39 ame PCPU 13 PCPU 14 PCPU 15	11:	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13 PCPU 14 PCPU 15 Package 0	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 % 1.73 % 1.29 % 2.82 %	a.A.a	12:23 Maximum ~ 42.74 27.62 19.91	12:31 Minimum ~ 0.31 0.16 0.11	12: Latest 2.59 1.33 2.01	39
Consum	0 A	A A 11:3	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13 PCPU 14 PCPU 15 Package 0	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 % 1.73 % 1.29 % 2.82 %	a.A.a age ~	12:23 Maximum ~ 42.74 27.62 19.91 19.92	12:31 Minimum ~ 0.31 0.16 0.11 0.11	12: Latest 2.59 1.33 2.01 16.33	39 ~
	ame PCPU 13 PCPU 14 PCPU 15 PCPU 15	A	50	11:58		PCPU 8 PCPU 9 PCPU 10 PCPU 11 PCPU 12 PCPU 13 PCPU 14 PCPU 15 Package 0	5.16 % 0.98 % 1.15 % 2.92 % 1.23 % 0.64 % 1.73 % 1.29 % 2.82 %	age v	12:23 Maximum ~ 42.74 27.62 19.91 19.92	12:31 Minimum ~ 0.31 0.16 0.11 0.11	12 Latest 2.59 1.33 2.01 16.33 18 I	39 V

Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.



#### Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.



Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.

÷ vm	→ ware E							S	Sisi	V	M	M	/are
🛄 🚺 🛃 🚰 🛄 🖫 Navigator		oot/in Lrwxrwy -> boot drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y drwxr-y lrwxrwy vrwiin Lrwxrwy boot/vr	trd.ing (rwx 1 /initrd (r-x 22 (r-x 2 (r-x 2 (r-x 2 (r-x 2) (r-x 2) (r-x 3) (r-x 3) (r-x 3) (r-x 2) (r-x 13) (r-x 13) (r-x 13) (r-x 14) (r-x 15) (r-x 15) (rwx 1 (r-x 15) (rwx 1) (rwx	-4.4.0 root root root root root root root roo	-176-gene root root root root root root root roo	ric 33 generic 4096 16384 4096 4096 4096 1060 12288 4096 4096 4096 4096 30 30 30 c		Inite Inite Lib64 Losta net Doroc root run sbin snap srv sys Jsr var var var	<pre>(1)) 12:41 ()</pre>	Lions 142 M 3.0 ST 347	DPU 5 MHz B4 GB ORAGE .8 GB		
	Task.	~ T	urget	٣	Initiator ~	Queued	✓ Started	~ R	esuit	~	Complete	ed 🔻 🛩	
	Power On VM	i e	р ерллы		root	11/23/2021 12:4		241	Completed successi	culy.	11/23/2024	1241	

Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.

	Port groups Virtual	switches Physical	NICs VMk	ernel NICs TCF	VIP stacks F	irewall rules					
	😫 Add port group 🥒 Edit settings 🛛 😋 Refresh 🔹 Actions 🔍 🧿 Q Search										
	Name	<ul> <li>Active p </li> </ul>	VLAN ID 🗸	Туре	~ v	Switch ~	VMs ~				
þ	Q VM Network	8	0	Standard port group	e	vSwitch0	10				
aviga	Management Network	k ) 1	0	Standard port group	e	vSwitch0	N/A				
z P							2 Items				
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6											
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	🖹 Recent tasks										
	Task	<ul> <li>Target</li> </ul>	Initiator ~	Queued ~	Started ~	Result ~	Completed • ·				
	Power On VM	Eprints	root	11/23/2021 12:41	11/23/2021 12:41	Completed successfully	11/23/2021 12:41				

Pada VM aplikasi terpasang dan sudah bisa diakses menggunakan IP address VM tersebut secara langsung.

← → C vmware: ESXi TE Navigator			Sisi	VM	Ware
- Thost Manage Monitor Ba Edit settings - Eprints (E \$XI 6.5 virtua	I machine)	-	d 🧐 Reset   🥒	Edit CPU COMHz	
Add hard disk M Add network add	apter 🚍 Add other device			0 B STORAGE	
Memory     Hard disk 1	8024 MB * 100 GB *		0	uest × et OS,	
SCSI Controller 0     SATA Controller 0	LSI Logic Parallel	¥	0	Actions	
USB controller 1	USB 2.0 VM Network	▼ ✓ Connect	0	/ Edit notes	
GO/DVD Drive 1	Datastore ISO file	V Connect	0	Complet v success 11/23/2021	
<ul> <li>Mai</li> <li>✓ Monitor     <li>More networks</li> </li></ul>		Sa	rve Cancel		

elp - I 🔍 Search

Х

←  $\rightarrow$ С A Not secure

#### vmware<sup>•</sup> ESXi<sup>•</sup>

#### 🗬 🚾 Azriel

rd.img-4.4	.0-1	76-gei	neric			
lrwxrwxrwx	1	root	root	33	Mar	<pre>nitrd.img.old -&gt; boot/</pre>
initrd.img-	-4.4	.0-17	4-generic			
drwxr-xr-x	22	root	root	4096	Jul	ib
drwxr-xr-x	2	root	root	4096	Sep	ib64
drwx	2	root	root	16384	Jul	ost+found
drwxr-xr-x	2	root	root	4096	Jul	edia
drwxr-xr-x	2	root	root	4096	Jul	nt
drwxr-xr-x	5	root	root	4096	Jul	pt
dr-xr-xr-x	302	root	root	0	Nov	roc
drwx	6	root	root	4096	Sep	oot
drwxr-xr-x	33	root	root	1080	Nov	un
drwxr-xr-x	2	root	root	12288	Peb	bin
drwxr-xr-x	2	root	root	4096	Peb	nap
drwxr-xr-x	2	root	root	4096	Jul	rv
dr-xr-xr-x	13	root	root	0	Nov	<u>ys</u>
drwxrwxrwt	14	root	root	4096	Nov	np
drwxr-xr-x	11	root	root	4096	Jul	sr
drwxr-xr-x	15	root	root	4096	Jul	ar
lrwxrwxrwx	1	root	root	30	Mar	<pre>mlinuz -&gt; boot/vmlinuz</pre>
-4.4.0-176	-gene	eric				
lrwxrwxrwx	1	root	root	30	Mar	<pre>mlinuz.old -&gt; boot/vml</pre>
inuz-4.4.0	-174-	-gener	ric			
Azriel :/	#					
Manifer						

Masuk ke dalam folder /var/www dan buat direktori "home" untuk web baru. Mis: /var/www/aplikasique

More networks...

← → C ▲ Not sec	<u>५ भ</u> 🛋 :
vmware: ESXi"	p - I Q Search
James et al. 11 marson	
e	– 🗆 ×
drwxr-xr-x 18 root root 4096 Peb	cache 🔨
drwxrwsrwt 2 root whoopsie 4096 Peb	crash
drwxr-xr-x 76 root root 4096 Jul	lib
drwxrwsr-x 2 root staff 4096 Apr	local
lrwxrwxrwx l root root 9 Jul	lock -> /run/lock
drwxrwxr-x 17 root syslog 4096 Nov	log
drwxrwsr-x 2 root mail 4096 Jul	mail
drwxrwsrwt 2 root whoopsie 4096 Jul	metrics
drwxr-xr-x 2 root root 4096 Jul	opt
lrwxrwxrwx l root root 4 Jul	run -> /run
drwxr-xr-x 2 root root 4096 Jun	snap
drwxr-xr-x 8 root root 4096 Jul	spool
drwxrwxrwt 243 root root 32768 Nov	tmp
drwxr-xr-x 7 root root 4096 Agu	WWW
Azriel /var# cd www var/www# ls -1	
total 44	
-rw-rr 1 root root 15802	config.inc.php
drwxr-xr-x 2 root root 4096	
drwxrwxr-x 16 appuser www-data 12288	
drwxrwxr-x 50 appuser www-data 4096	moodle
drwxr-xr-x 18 www-data www-data 4096	
drwxrwxr-x 18 appuser www-data 4096	
Azriel :/var/www#	¥
Monitor	
More networks	

Masuk ke dalam folder /var/www dan buat direktori "home" untuk web baru. Mis: /var/www/**moodle** 

← → C 🚺	A N		ਖ ਸ 🛎 :
<b>/m</b> ware <sup>-</sup> ESXi <sup></sup>			-   Help -   Q Search -
Done en e			1
P	2		– – ×
drwxr-xr-x 2 m	root root	4096 Ma	vim 🔨
drwxr-xr-x 3 1	root root 🦂	1096 Ju	vmware-tools
lrwxrwxrwx l 1	coot root	23 Ju	<pre>vtrgb -&gt; /etc/alternatives/v</pre>
trgb			
-rw-rr 1 1	coot root 4	1942 Ju	wgetrc
drwxr-xr-x 2 1	coot root 4	1096 Se	wpa_supplicant
drwxr-xr-x ll n	coot root 4	1096 Ju	X11
drwxr-xr-x 5 1	coot root 4	1096 Ju	xdg
drwxr-xr-x 2 1	coot root 4	1096 Ju	xml
-rw-rr 1 r	coot root	477 Ju	zsh_command_not_found
Azriel Azriel	cd apache2 apache2 <b>#</b> ls -]	L	
total 84			
-rw-rr 1 rc	oot root 7115	5	apache2.conf
drwxr-xr-x 2 ro	ot root 4090	5	conf-available
drw <mark>xr-xr-x</mark> 2 ro	ot root 4096	5	conf-enabled
-rw-rr 1 ro	oot root 1782	2	envvars
-rw-rr 1 rd	oot root 31063	3	magic
drwxr-xr-x 2 ro	oot root 16384	1	mods-available
drwxr-xr-x 2 ro	ot root 4096	5	mous-enabled
-rw-rr 1 rc	ot root 342	2	ports.conf
drwxr-xr-x 2 ro	oot root 4096	5	sites-available
Anial 2 rd	ot root 4096	5	sites-enabled
r AZriel etc/a	apache2#		×
Monitor			
an and the state			

Masuk ke folder web server misal /apache2/sites-available

#### <VirtualHost \*:80>

ServerName aplikasigue.ac.id ServerAdmin webmaster@localhost DocumentRoot /var/www/ aplikasique # Available loglevels: trace8, ..., trace1, debug, info, notice, warn, # error, crit, alert, emerg. # It is also possible to configure the loglevel for particular # modules, e.g. #LogLevel info ssl:warn ErrorLog \${APACHE LOG DIR} age error.log CustomLog \${APACHE LOG DIR} age access.log combined # For most configuration files from conf-available/, which are # enabled or disabled at a global level, it is possible to # include a line for only one particular virtual host. For exampl

e the

# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".

User dapat membuat file sesuai nama aplikasi kemudian berisi

- 1. ServerName
- 2. VirtualHost \*:80
- 3. ErrorLog
- 4. CustomLog
- 5. ProxyPass
- 6. ProxyPassReversed

Dan jangan lupa

7. *SSLCertificateFile* 

vmware	ESXI		C Search			
	) ( n	1		$\sim$		TT
er root	@vm4: /etc/apache2/sites-ava	llable	— U	^		Us
	# It is also possik	ole to configure the loglevel	for particular	^		file
	<pre># modules, e.g. #Loglevel info eel:</pre>	115 FD				kon
	#LogLevel Into SSI.	wain				1
	ErrorLog \${APACHE_I				1.	
	CustomLog \${APACHE_	ined			2.	
	# For most configur	ration files from conf-availab	ble/. which are			3.
	<pre># enabled or disabl</pre>	possible to			Λ	
	<pre># include a line fo</pre>	or only one particular virtua	l host. For exa	mpl		
e the	<pre># following line or</pre>	which the CCT configuration :	for this host o			Э.
	<pre># ioiiowing ine er # after it has beer</pre>	n globally disabled with "a2d:	isconf".	III Y		6.
	#Include conf-avail					
	RewriteFngine On					Dar
	RewriteCond %{REMOI	E ADDR) ! Berikan IP Loka				7
	RewriteCond %{HTTPS	5}_!on				/.
	RewriteRule (.*) ht	tps://%{HTTP_HOST}\$1 [L]			1	
	#Redirect permanent	: "/" "https://%{SERVER NAME}%{REQUE:	ac.id "	Ē		
<td>alHost&gt;</td> <th></th> <td></td> <td></td> <td></td> <td></td>	alHost>					
<virtua< td=""><td>alHost *:443&gt;</td><th></th><td></td><td>~</td><td></td><td></td></virtua<>	alHost *:443>			~		
Mo	nitor					
Mo	re networks					

User dapat membuat file sesuai nama aplikasi kemudian berisi

- 1. ServerName
- 2. VirtualHost \*:80
- 3. ErrorLog
- 4. CustomLog
- 5. ProxyPass
- 6. ProxyPassReversed

Dan jangan lupa

7. SSLCertificateFile





More networks.

# sudo apache2ctl configtest

Khusus kasus global DNS bisa memakan waktu 1-3 hari.

#### Penutup

"MikroTik sangat membantu untuk mengalokasikan jaringan, manajemen bandwidth dan membagi jalur" publik dan lokal dengan proxy dari VMWare dan Server Virtual di dalamnya. "