

LAMPIRAN

Hasil Pengujian:

1. ISP Indihome

a. 1 Komputer

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (ip)		192.168.1.254	74.125.200.132			4.9 Mbps	206.4 kbps	418
800 (ip)		192.168.1.254	74.125.171.71			0 bps	0 bps	0
800 (ip)		192.168.1.254	118.98.30.143			152.4 k...	7.4 kbps	13
800 (ip)		192.168.1.254	172.217.194.128			11.6 kbps	1056 bps	2

4 items Total Tx: 5.0 Mbps Total Rx: 214.8 kbps Total Tx Packet: 433 Total Rx Packet: 394

b. 2 Komputer

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (ip)		192.168.1.254	74.125.200.132			2.0 Mbps	75.4 kbps	171
800 (ip)		192.168.1.250	74.125.200.132			3.0 Mbps	112.6 kbps	258

2 items Total Tx: 5.0 Mbps Total Rx: 188.1 kbps Total Tx Packet: 429 Total Rx Packet: 356

c. 3 Komputer

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (ip)		192.168.1.254	74.125.200.132			1102.4 ...	37.9 kbps	54
800 (ip)		192.168.1.250	74.125.200.132			1688.8 ...	61.7 kbps	144
800 (ip)		192.168.1.252	74.125.68.132			2.1 Mbps	74.5 kbps	180
800 (ip)		192.168.1.254	74.125.68.132			152.4 k...	6.8 kbps	13
800 (ip)		192.168.1.252	172.217.194.95			0 bps	0 bps	0

5 items Total Tx: 5.0 Mbps Total Rx: 181.1 kbps Total Tx Packet: 431 Total Rx Packet: 346

d. 4 Komputer

Basic: Interface: **LOKAL** Filters: Src. Address: 0.0.0.0/0
 Entry Timeout: 00:00:03 s Dst. Address: 0.0.0.0/0
 Collect: Src. Address6: /0
 Src. Address Src. Address6 Dst. Address6: /0
 Dst. Address Dst. Address6 MAC Protocol: all
 MAC Protocol Port Protocol: any
 Protocol VLAN Id Port: any
 DSCP VLAN Id: any
 DSCP: any

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (ip)		192.168.1.254	74.125.200.132			1067.2...	38.4 kbps	4
800 (ip)		192.168.1.250	74.125.200.132			856.1 k...	27.5 kbps	7
800 (ip)		192.168.1.252	74.125.68.132			1114.1 ...	33.5 kbps	4
800 (ip)		192.168.1.251	172.217.194.132			1853.0 ...	57.9 kbps	11
800 (ip)		192.168.1.254	74.125.68.132			117.2 k...	3.5 kbps	1
800 (ip)		192.168.1.254	192.168.2.1			0 bps	0 bps	0
800 (ip)		192.168.1.254	255.255.255.255			0 bps	1400 bps	0
800 (ip)		192.168.1.254	192.168.1.255			0 bps	1400 bps	0
800 (ip)		192.168.1.251	74.125.200.138			432 bps	0 bps	0
800 (ip)		192.168.1.251	172.217.194.139			0 bps	0 bps	0

11 items Total Tx: 5.0 Mbps Total Rx: 163.8 kbps Total Tx Packet: 428 Total Rx Packet: 317

e. 5 Komputer

Basic: Interface: **LOKAL** Filters: Src. Address: 0.0.0.0/0
 Entry Timeout: 00:00:03 s Dst. Address: 0.0.0.0/0
 Collect: Src. Address6: /0
 Src. Address Src. Address6 Dst. Address6: /0
 Dst. Address Dst. Address6 MAC Protocol: all
 MAC Protocol Port Protocol: any
 Protocol VLAN Id Port: any
 DSCP VLAN Id: any
 DSCP: any

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (ip)		192.168.1.254	74.125.200.132			680.2 k...	27.6 kbps	4
800 (ip)		192.168.1.250	74.125.200.132			595.4 k...	21.4 kbps	4
800 (ip)		192.168.1.252	74.125.68.132			656.7 k...	25.5 kbps	4
800 (ip)		192.168.1.251	172.217.194.132			715.4 k...	30.3 kbps	6
800 (ip)		192.168.1.254	74.125.68.132			105.5 k...	4.6 kbps	1
800 (ip)		192.168.1.238	172.217.194.132			1630.1 ...	62.0 kbps	11
800 (ip)		192.168.1.250	172.217.194.132			187.6 k...	5.7 kbps	1
800 (ip)		192.168.1.251	118.98.30.143			340.1 k...	15.3 kbps	1
800 (ip)		192.168.1.254	172.217.194.132			164.1 k...	3.8 kbps	1
800 (ip)		192.168.1.254	172.217.26.78			1488 bps	3.3 kbps	0

23 items (1 sec...) Total Tx: 5.0 Mbps Total Rx: 202.6 kbps Total Tx Packet: 436 Total Rx Packet: 383

2. ISP Modem kartu as

a. 1 Komputer

Basic: Interface: **Internet2** Filters: Src. Address: 0.0.0.0/0
 Entry Timeout: 00:00:03 s Dst. Address: 0.0.0.0/0
 Collect: Src. Address6: /0
 Src. Address Src. Address6 Dst. Address6: /0
 Dst. Address Dst. Address6 MAC Protocol: all
 MAC Protocol Port Protocol: any
 Protocol VLAN Id Port: any
 DSCP VLAN Id: any
 DSCP: any

Et...	Prot.	Src.	Dst.	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack	Rx Pack...
800 (ip)		192.168.2.249	114.125.97.45			5.2 Mbps	240.9 k...	452	386
800 (ip)		192.168.2.249	173.194.22.39			11.6 kbps	592 bps	1	1
800 (ip)		192.168.2.249	74.125.24.91			1960 bps	736 bps	2	1
800 (ip)		192.168.2.249	74.125.200.100			0 bps	0 bps	0	0
86dd...		fe80::ecb3:79ef:644a:ab81	ff02::c			0 bps	0 bps	0	0

5 items Total Tx: 5.2 Mbps Total Rx: 242.3 kbps Total Tx Packet: 455 Total Rx Packet: 388

b. 2 Komputer

Torch (Running)

Basic: Interface: Internet2, Entry Timeout: 00:00:03

Collect: Src. Address, Dst. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dst. Address: 0.0.0.0/0, Src. Address6: ::/0, Dst. Address6: ::/0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dst...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack...	Rx Pack...
800 (p)		192.168.2.249	114.125.97.45			5.2 Mbps	240.9 k...	452	386
800 (p)		192.168.2.249	173.194.22.39			11.6 kbps	592 bps	1	1
800 (p)		192.168.2.249	74.125.24.91			1960 bps	736 bps	2	1
800 (p)		192.168.2.249	174.125.200.100			0 bps	0 bps	0	0
86dd...		fe80::ecb8:76ef:644a:ab81	#02:c			0 bps	0 bps	0	0

5 items | Total Tx: 5.2 Mbps | Total Rx: 242.3 kbps | Total Tx Packet: 455 | Total Rx Packet: 388

c. 3 Komputer

Torch (Running)

Basic: Interface: Internet2, Entry Timeout: 00:00:03

Collect: Src. Address, Dst. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dst. Address: 0.0.0.0/0, Src. Address6: ::/0, Dst. Address6: ::/0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dst...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack...	Rx Pack...
800 (p)		192.168.2.248	173.194.22.39			721.1 k...	35.4 kbps	62	55
800 (p)		192.168.2.248	114.125.97.45			372.2 k...	15.6 kbps	32	26
800 (p)		192.168.2.249	114.125.97.45			1942.5...	99.9 kbps	167	152
800 (p)		192.168.2.250	173.194.22.39			2.0 Mbps	85.3 kbps	177	138
800 (p)		192.168.2.249	173.194.22.39			0 bps	0 bps	0	0
800 (p)		192.168.2.248	74.125.130.136			528 bps	976 bps	1	2
800 (p)		192.168.2.249	172.217.160.46			0 bps	0 bps	0	0
800 (p)		192.168.2.249	74.125.68.138			0 bps	0 bps	0	0
800 (p)		192.168.2.250	172.217.194.93			0 bps	0 bps	0	0
800 (p)		192.168.2.248	239.255.255.250			0 bps	2.6 kbps	0	2
86dd...		fe80::8872:746d:4be4:c4c9	#02:c			0 bps	2.8 kbps	0	2

11 items | Total Tx: 5.0 Mbps | Total Rx: 242.9 kbps | Total Tx Packet: 439 | Total Rx Packet: 377

d. 4 Komputer

Torch (Running)

Basic: Interface: Internet2, Entry Timeout: 00:00:03

Collect: Src. Address, Dst. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dst. Address: 0.0.0.0/0, Src. Address6: ::/0, Dst. Address6: ::/0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dst...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack...	Rx Pack...
800 (p)		192.168.2.247	173.194.22.39			907.2 k...	50.9 kbps	78	76
800 (p)		192.168.2.249	114.125.97.45			2.0 Mbps	96.5 kbps	173	140
800 (p)		192.168.2.248	173.194.22.39			197.7 k...	8.9 kbps	17	16
800 (p)		192.168.2.250	173.194.22.39			767.7 k...	37.5 kbps	66	60
800 (p)		192.168.2.249	173.194.22.39			439.5 k...	28.0 kbps	40	26
800 (p)		192.168.2.247	114.125.97.45			0 bps	0 bps	0	0
800 (p)		192.168.2.249	172.217.160.14			0 bps	490 bps	0	1
800 (p)		192.168.2.250	172.217.27.46			2.2 kbps	7.8 kbps	2	4
800 (p)		192.168.2.250	172.217.26.67			0 bps	5.1 kbps	0	3
800 (p)		192.168.2.248	172.217.194.93			0 bps	0 bps	0	0

10 items | Total Tx: 4.3 Mbps | Total Rx: 225.5 kbps | Total Tx Packet: 376 | Total Rx Packet: 326

e. 5 Komputer

Et	Prot	Src	Dst	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack	Rx Pack
800 (p)		192.168.2.246	114.125.97.45			577.0 k...	50.0 kbps	84	78
800 (p)		192.168.2.247	173.194.22.39			1826.2...	79.5 kbps	157	129
800 (p)		192.168.2.249	114.125.97.45			569.9 k...	30.6 kbps	49	48
800 (p)		192.168.2.248	173.194.22.39			942.1 k...	52.0 kbps	81	80
800 (p)		192.168.2.250	173.194.22.39			442.0 k...	25.4 kbps	38	39
800 (p)		192.168.2.250	74.125.164.71			23.2 kbps	960 bps	2	2
800 (p)		192.168.2.249	239.255.255.250			0 bps	0 bps	0	0
800 (p)		192.168.2.246	173.194.22.39			92.6 kbps	5.6 kbps	8	8
800 (p)		192.168.2.248	74.125.24.93			1360 bps	0 bps	1	0
800 (p)		192.168.2.249	74.125.68.93			0 bps	0 bps	0	0
800 (p)		192.168.2.249	173.194.22.39			0 bps	0 bps	0	0
800 (p)		192.168.2.246	74.125.24.91			0 bps	0 bps	0	0
800 (p)		192.168.2.249	192.168.43.1			0 bps	0 bps	0	0
800 (p)		192.168.2.247	172.217.27.46			1864 bps	8.5 kbps	3	2

14 items | Total Tx: 4.8 Mbps | Total Rx: 252.9 kbps | Total Tx Packet: 423 | Total Rx Packet: 386

3. Setelah Load Balancing

a. 1 Komputer

Et	Prot	Src	Dst	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack	Rx Pack
800 (p)		192.168.1.238	114.125.97.45			5.0 Mbps	230.2 kbps	434	434
800 (p)		192.168.1.252	114.125.65.14			46.5 kbps	0 bps	4	4
800 (p)		192.168.1.238	74.125.164.71			0 bps	0 bps	0	0
800 (p)		192.168.1.252	209.85.229.233			34.8 kbps	0 bps	3	3
800 (p)		192.168.1.238	74.125.200.136			0 bps	0 bps	0	0
86dd...		fe80::ecb8:76ef:644a:ab81	#02:c			0 bps	0 bps	0	0
86dd...		fe80::ecb8:76ef:644a:ab81	#02:1ff4:c4c:9			0 bps	1376 bps	0	0

7 items | Total Tx: 5.1 Mbps | Total Rx: 231.6 kbps | Total Tx Packet: 441 | Total Rx Packet: 371

b. 2 Komputer

Et	Prot	Src	Dst	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack	Rx Pack
800 (p)		192.168.1.238	114.125.97.45			2.1 Mbps	78.9 kbps	188	188
800 (p)		192.168.1.252	114.125.65.14			2.7 Mbps	145.4 kbps	253	253
800 (p)		192.168.1.252	209.85.229.233			302.4 k...	17.3 kbps	26	26
800 (p)		192.168.1.238	74.125.164.71			864 bps	960 bps	2	2
800 (p)		192.168.1.238	239.255.255.250			0 bps	1400 bps	0	0
800 (p)		192.168.1.238	172.217.194.136			864 bps	960 bps	2	2
86dd...		fe80::ecb8:76ef:644a:ab81	#02:c			0 bps	0 bps	0	0

7 items | Total Tx: 5.2 Mbps | Total Rx: 245.0 kbps | Total Tx Packet: 471 | Total Rx Packet: 399

c. 3 Komputer

Torch (Running)

Basic: Interface: 2iLOKAL, Entry Timeout: 00:00:03

Collect: Src. Address, Dat. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dat. Address: 0.0.0.0/0, Src. Address6: :0, Dat. Address6: :0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dat...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (p)		192.168.1.238	114.125.97.45			3.4 Mbps	166.7 kbps	295
800 (p)		192.168.1.254	74.125.12.135			421.6 k...	22.4 kbps	40
800 (p)		192.168.1.238	74.125.164.71			1035.2	43.1 kbps	89
800 (p)		192.168.1.238	239.255.255.250			0 bps	0 bps	0
800 (p)		192.168.1.252	36.86.63.182			0 bps	0 bps	0
800 (p)		192.168.1.254	192.168.43.1			0 bps	0 bps	0
800 (p)		192.168.1.238	192.168.2.1			0 bps	0 bps	0
800 (p)		192.168.1.238	172.217.194.93			864 bps	960 bps	2
800 (p)		192.168.1.252	74.125.24.190			0 bps	0 bps	0
800 (p)		192.168.1.254	172.217.194.93			0 bps	0 bps	0
86dd...		fe80::ecb8:76ef:644a:ab81	:::2:c			0 bps	0 bps	0

d. 4 Komputer

Torch (Running)

Basic: Interface: 2iLOKAL, Entry Timeout: 00:00:03

Collect: Src. Address, Dat. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dat. Address: 0.0.0.0/0, Src. Address6: :0, Dat. Address6: :0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dat...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (p)		192.168.1.238	114.125.97.45			1.790.5	70.6 kbps	151
800 (p)		192.168.1.254	74.125.12.135			2.0 Mbps	101.6 kbps	174
800 (p)		192.168.1.238	172.217.27.110			960 bps	5.6 kbps	2
800 (p)		192.168.1.252	74.125.10.27			751.3 k...	38.5 kbps	71
800 (p)		192.168.1.250	173.194.22.203			510.1 k...	31.6 kbps	44
800 (p)		192.168.1.254	74.125.68.91			0 bps	0 bps	0
800 (p)		192.168.1.252	74.125.24.190			864 bps	960 bps	2
86dd...		fe80::ecb8:76ef:644a:ab81	:::2:c			0 bps	1664 bps	0

Items: Total Tx: 5.0 Mbps, Total Rx: 250.7 kbps, Total Tx Packet: 444, Total Rx Packet: 377

e. 5 Komputer

Torch (Running)

Basic: Interface: 2iLOKAL, Entry Timeout: 00:00:03

Collect: Src. Address, Dat. Address, MAC Protocol, Protocol, DSCP

Filters: Src. Address: 0.0.0.0/0, Dat. Address: 0.0.0.0/0, Src. Address6: :0, Dat. Address6: :0, MAC Protocol: all, Protocol: any, Port: any, VLAN Id: any, DSCP: any

Et...	Prot...	Src...	Dat...	VLAN Id	DSCP	Tx Rate	Rx Rate	Tx Pack
800 (p)		192.168.1.238	114.125.97.45			3.0 Mbps	111.9 kbps	26
800 (p)		192.168.1.252	114.125.65.16			232.6 k...	11.4 kbps	2
800 (p)		192.168.1.254	74.125.12.135			395.4 k...	22.1 kbps	2
800 (p)		192.168.1.251	74.125.101.231			23.2 kbps	1248 bps	1
800 (p)		192.168.1.254	114.125.65.13			930.5 k...	42.9 kbps	1
800 (p)		192.168.1.238	74.125.164.71			11.6 kbps	720 bps	1
800 (p)		192.168.1.252	74.125.68.91			0 bps	0 bps	0
800 (p)		192.168.1.250	173.194.22.203			0 bps	0 bps	0
800 (p)		192.168.1.254	74.125.68.136			0 bps	0 bps	0
800 (p)		192.168.1.252	74.125.12.234			0 bps	0 bps	0
800 (p)		192.168.1.250	74.125.24.119			0 bps	0 bps	0
800 (p)		192.168.1.252	74.125.10.27			0 bps	0 bps	0
800 (p)		192.168.1.238	172.217.26.67			0 bps	0 bps	0
800 (p)		192.168.1.250	172.217.194.190			0 bps	0 bps	0
800 (p)		192.168.1.251	74.125.24.93			0 bps	0 bps	0
800 (p)		192.168.1.254	172.217.194.188			432 bps	480 bps	1
800 (p)		192.168.1.261	173.194.164.136			60.4 bps	600 bps	1

Items: Total Tx: 4.6 Mbps, Total Rx: 204.1 kbps, Total Tx Packet: 408, Total Rx Packet: 315

4. Fail Over

The image shows two overlapping network configuration windows. The left window is titled 'Interface <2(SP2)>' and the right window is titled 'Interface <1(SP1)>'. Both windows have tabs for 'Overall Stats', 'Rx Stats', 'Tx Stats', 'Status', and 'Traffic'. The left window displays statistics for Tx/Rx Rate (336 bps / 336 bps), Tx/Rx Packet Rate (1 p/s / 1 p/s), Tx/Rx Bytes (77.7 MB / 71.8 MB), Tx/Rx Packets (82 523 / 109 062), Tx/Rx Drops (0 / 0), and Tx/Rx Errors (0 / 0). The right window displays statistics for Tx/Rx Rate (0 bps / 0 bps), Tx/Rx Packet Rate (0 p/s / 0 p/s), Tx/Rx Bytes (195.8 MB / 7.3 GiB), Tx/Rx Packets (1 667 443 / 5 935 216), Tx/Rx Drops (0 / 0), and Tx/Rx Errors (0 / 0). Both windows include a central control panel with buttons for OK, Cancel, Apply, Disable, Comment, Advanced Mode, Torch, WPS Accept, Scan..., Freq. Usage..., Align..., Sniff..., Snooper..., and Reset Configuration. At the bottom of each window, there are status indicators for 'enabled', 'running', 'slave', and 'link ok'. A large watermark of the Jember University logo is visible in the background.