

장비별 포트 미러링 지원여부 설정방법

2021년 01월

- Tech1.Team -

◎ 장비별 포트 미러링 지원여부

1 통합OS 제품군 포트 미러링 지원여부

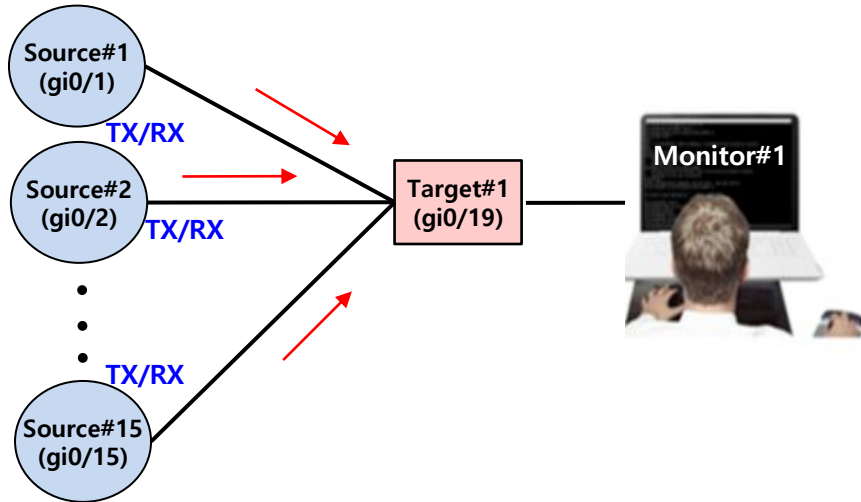
√ N:1 (15:1), 1:N (1:3), N:N (3:3), VLAN (RX) 미러 지원

- 1:N과 N:N 방식의 경우, 특정 포트로, TX/RX 트래픽 미러 후, 타 모니터 포트로, 트래픽을 TX하도록 설정필요

제품명	버전명	N:1	1:N	N:N	VLAN 미러 (RX)
E3010-24S	UbiEnt.r257.bin	지원	지원	지원	지원
E3010-24T	UbiEnt.r257.bin	지원	지원	지원	지원
E3010-24PS	UbiEnt.r257.bin	지원	지원	지원	지원
E3010-08PS	UbiEnt.r257.bin	지원	지원	지원	지원
E3010-08P(J)	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-24T	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-24T(J)	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-24TX(J)	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-24P(J)	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-24PS	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-48T	UbiEnt.r257.bin	지원	지원	지원	지원
E4020-48PS	UbiEnt.r257.bin	지원	지원	지원	지원
E5010-24S	UbiEnt.r257.bin	지원	지원	지원	지원
E5010-24C	UbiEnt.r257.bin	지원	지원	지원	지원
E5020-24T	UbiEnt.r257.bin	지원	지원	지원	지원
E5020-24FT	UbiEnt.r257.bin	지원	지원	지원	지원
uSafe5010-24C	UbiEnt.r257.bin	지원	지원	지원	지원
uSafe5020-24T	UbiEnt.r257.bin	지원	지원	지원	지원
uSafe3010-24PS	UbiEnt.r257.bin	지원	지원	지원	지원
uSafe3010-24T	UbiEnt.r257.bin	지원	지원	지원	지원

◎ 장비별 포트 미러링 지원여부

2 통합OS 제품군 N:1 포트 미러링 설정



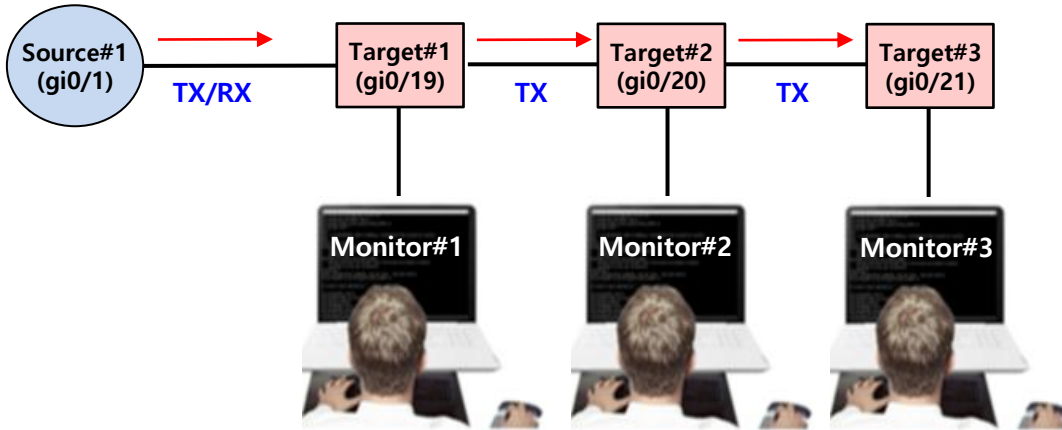
설정
interface Giga0/19
mirror interface range 1-15 direction both
→ gi0/1~0/15의 TX/RX 트래픽을 gi0/19로 미러

```
Switch#show port counter
Fri Jul 03 2020 16:38:17 KST
```

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	5,091	5,092	8,369,271,956	130,769,731	8,369,747,168	130,776,712
Gi0/2	5,091	5,093	8,369,286,560	130,769,960	8,369,625,120	130,774,805
Gi0/3	5,091	5,093	8,369,272,160	130,769,735	8,369,593,632	130,774,313
Gi0/4	5,091	5,094	8,369,271,968	130,769,732	8,369,593,632	130,774,313
Gi0/5	5,091	5,094	8,369,270,560	130,769,710	8,369,593,632	130,774,313
Gi0/6	5,093	5,094	8,369,269,856	130,769,699	8,369,591,328	130,774,277
Gi0/7	5,093	5,095	8,369,268,896	130,769,684	8,370,192,416	130,783,669
Gi0/8	5,094	5,094	8,369,270,560	130,769,710	8,369,592,032	130,774,288
Gi0/9	5,094	5,094	8,369,268,832	130,769,683	8,369,590,304	130,774,261
Gi0/10	5,094	5,094	8,369,268,416	130,769,674	8,369,589,888	130,774,252
Gi0/11	5,094	5,094	8,369,269,120	130,769,685	8,369,590,592	130,774,263
Gi0/12	5,094	5,094	8,369,268,416	130,769,674	8,369,589,888	130,774,252
Gi0/13	5,094	5,095	8,369,267,520	130,769,660	8,370,192,576	130,783,669
Gi0/14	5,094	5,092	8,369,269,120	130,769,685	8,369,588,992	130,774,238
Gi0/15	5,094	5,092	8,369,265,920	130,769,635	8,369,585,920	130,774,190
Gi0/16	0	0	800,984	5,661	1,632,876	8,650
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	152,803	153,984	2,406	96,989,958,226	1,515,459,781
Gi0/20	0	0	576	9	34,701,500,773	542,209,568

◎ 장비별 포트 미러링 지원여부

2 통합OS 제품군 1:N 포트 미러링 설정



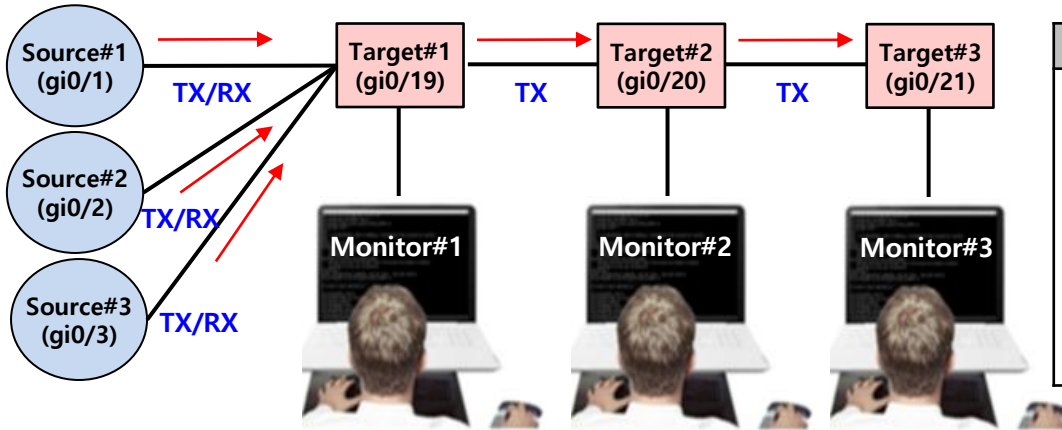
설정
interface Giga0/19
mirror interface gi0/1 direction both
→ gi0/1의 TX/RX 트래픽을 gi0/19로 미러
interface Giga0/20
mirror interface gi0/19 direction transmit
→ gi0/19의 TX 트래픽을 gi0/20로 미러
interface Giga0/21
mirror interface gi0/20 direction transmit
→ gi0/20의 TX 트래픽을 gi0/21로 미러

```
Switch#show port counter
Fri Jul 03 2020 16:57:34 KST
```

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	5,094	5,095	9,104,881,475	142,263,595	9,105,471,469	142,272,261
Gi0/2	5,094	5,094	9,104,899,279	142,263,874	9,105,320,621	142,269,904
Gi0/3	5,094	5,094	9,104,881,679	142,263,599	9,105,280,941	142,269,284
Gi0/4	5,096	5,094	9,104,881,487	142,263,596	9,105,280,941	142,269,284
Gi0/5	5,095	5,094	9,104,880,079	142,263,574	9,105,280,941	142,269,284
Gi0/6	5,097	5,094	9,104,879,375	142,263,563	9,105,278,637	142,269,248
Gi0/7	5,097	5,095	9,104,878,415	142,263,548	9,106,024,621	142,280,904
Gi0/8	5,097	5,094	9,104,880,079	142,263,574	9,105,279,341	142,269,259
Gi0/9	5,097	5,094	9,104,878,351	142,263,547	9,105,277,613	142,269,232
Gi0/10	5,097	5,094	9,104,877,974	142,263,538	9,105,277,236	142,269,223
Gi0/11	5,096	5,094	9,104,878,486	142,263,546	9,105,277,940	142,269,234
Gi0/12	5,094	5,095	9,104,876,374	142,263,513	9,105,277,236	142,269,223
Gi0/13	5,094	5,097	9,104,875,478	142,263,499	9,106,024,820	142,280,904
Gi0/14	5,094	5,097	9,104,877,078	142,263,524	9,105,277,940	142,269,234
Gi0/15	5,094	5,097	9,104,873,878	142,263,474	9,105,274,740	142,269,184
Gi0/16	1	0	975,758	6,944	1,987,892	10,620
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	10,192	191,040	2,985	106,302,030,653	1,660,959,652
Gi0/20	0	10,192	576	9	34,921,274,665	545,643,353
Gi0/21	0	10,192	0	0	34,136,790,832	533,385,667

◎ 장비별 포트 미러링 지원여부

3 통합OS 제품군 N:N 포트 미러링 설정



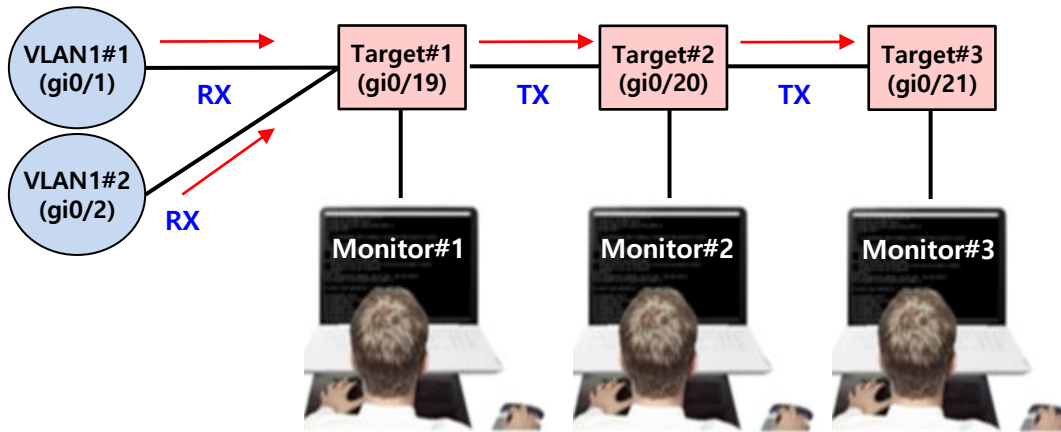
설정
interface Giga0/19
mirror interface range 1-3 direction both
→ gi0/1~3의 TX/RX 트래픽을 gi0/19로 미러
interface Giga0/20
mirror interface gi0/19 direction transmit
→ gi0/19의 TX 트래픽을 gi0/20로 미러
interface Giga0/21
mirror interface gi0/20 direction transmit
→ gi0/20의 TX 트래픽을 gi0/21로 미러

Switch#show port counter
Fri Jul 03 2020 18:00:17 KST

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	5,094	5,095	11,493,186,584	179,580,751	11,494,152,812	179,594,948
Gi0/2	5,094	5,094	11,493,212,004	179,581,149	11,493,901,420	179,591,020
Gi0/3	5,094	5,094	11,493,186,404	179,580,749	11,493,841,452	179,590,083
Gi0/4	5,093	5,092	11,493,185,380	179,580,733	11,493,840,044	179,590,061
Gi0/5	5,092	5,092	11,493,183,844	179,580,709	11,493,840,044	179,590,061
Gi0/6	5,091	5,092	11,493,183,204	179,580,699	11,493,838,444	179,590,036
Gi0/7	5,091	5,093	11,493,181,540	179,580,673	11,495,054,380	179,609,035
Gi0/8	5,091	5,092	11,493,183,204	179,580,699	11,493,838,444	179,590,036
Gi0/9	5,091	5,092	11,493,181,604	179,580,674	11,493,836,844	179,590,011
Gi0/10	5,091	5,092	11,493,181,928	179,580,674	11,493,837,168	179,590,011
Gi0/11	5,091	5,092	11,493,181,928	179,580,674	11,493,837,168	179,590,011
Gi0/12	5,091	5,092	11,493,181,928	179,580,674	11,493,837,168	179,590,011
Gi0/13	5,091	5,093	11,493,180,328	179,580,649	11,495,054,704	179,609,035
Gi0/14	5,091	5,092	11,493,181,928	179,580,674	11,493,837,168	179,590,011
Gi0/15	5,091	5,092	11,493,180,328	179,580,649	11,493,835,568	179,589,986
Gi0/16	0	0	1,586,192	11,425	3,207,392	17,216
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	30,554	311,360	4,865	111,190,091,695	1,737,334,586
Gi0/20	0	30,555	576	9	39,703,911,083	620,370,605
Gi0/21	0	30,553	0	0	38,878,711,948	607,476,321

◎ 장비별 포트 미러링 지원여부

4 통합OS 제품군 VLAN 미러링 설정



설정	
interface Giga0/19	mirror interface Vlan1 direction receive → vlan1의 RX 트래픽을 gi0/19로 미러링
interface Giga0/20	mirror interface gi0/19 direction transmit → gi0/19의 TX 트래픽을 gi0/20로 미러링
interface Giga0/21	mirror interface gi0/20 direction transmit → gi0/20의 TX 트래픽을 gi0/21로 미러링

참고 : VLAN RX 트래픽만 미러링 가능

Switch#show port counter
Wed Jul 08 2020 10:04:02 KST

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	5,107	5,108	266,719,779,326	4,167,484,330	266,761,433,481	4,168,097,009
Gi0/2	5,107	5,108	266,700,925,796	4,167,189,744	266,731,540,510	4,167,629,935
Gi0/3	5,107	5,107	266,728,419,914	4,167,619,340	266,757,488,841	4,168,035,374
Gi0/4	5,107	5,107	266,708,509,649	4,167,308,243	266,737,011,038	4,167,715,412
Gi0/5	5,107	5,107	266,736,479,946	4,167,745,278	266,764,954,185	4,168,152,020
Gi0/6	5,107	5,107	266,720,357,585	4,167,493,367	266,749,084,873	4,167,904,062
Gi0/7	5,107	5,109	266,744,201,987	4,167,865,934	266,824,461,876	4,169,081,824
Gi0/8	5,107	5,108	266,730,614,723	4,167,653,633	266,759,370,697	4,168,064,778
Gi0/9	5,106	5,107	266,755,632,003	4,168,044,528	266,784,561,012	4,168,458,373
Gi0/10	5,104	5,107	266,751,946,206	4,167,986,723	266,780,456,784	4,168,394,030
Gi0/11	5,104	5,107	266,769,572,312	4,168,262,130	266,798,587,324	4,168,677,316
Gi0/12	5,104	5,107	266,765,471,320	4,168,198,052	266,793,975,484	4,168,605,256
Gi0/13	5,104	5,108	266,783,406,290	4,168,478,285	266,863,410,536	4,169,690,175
Gi0/14	5,104	5,106	266,780,898,514	4,168,439,101	266,809,632,168	4,168,849,888
Gi0/15	5,104	5,105	266,794,084,946	4,168,645,139	266,822,814,952	4,169,055,869
Gi0/16	0	0	3,346,514	25,726	32,593,056	424,369
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	10,208	13,173,120	205,830	1,131,242,632,578	17,675,019,315
Gi0/20	0	10,207	1,344	21	1,057,433,872,019	16,522,202,565
Gi0/21	0	10,210	0	0	1,054,454,220,079	16,475,614,290

◎ 장비별 포트 미러링 지원여부

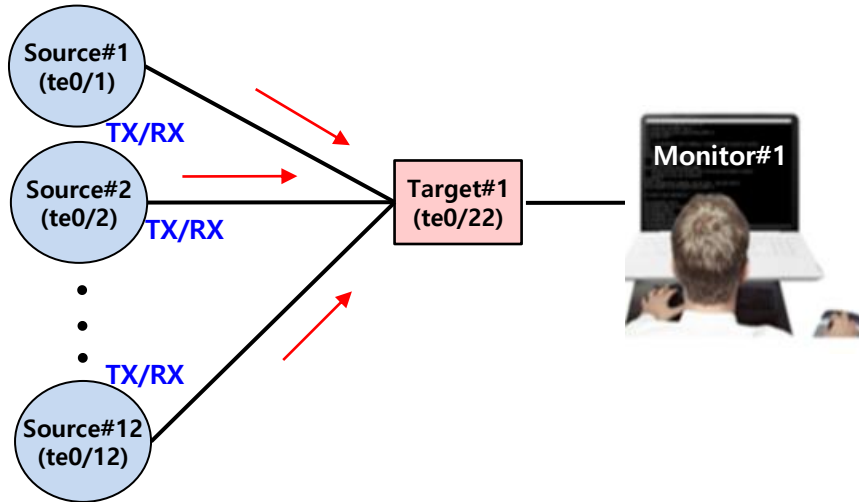
5 E61/E63/E71XX 포트 미러링 지원여부

√ N:1 (12:1), 1:N (1:2), N:N (12:2) 미러 지원

제품명	버전명	N:1	1:N	N:N	VLAN 미러 (RX)
E6124	e6k.r119pub.bin	지원	지원	지원	미지원
E6100	e6k.r119pub.bin	지원	지원	지원	미지원
E6300-24C	e6300.r200pub.bin	지원	지원	지원	미지원
E6300-24T	e6300.r200pub.bin	지원	지원	지원	미지원
E6300-24S	e6300.r200pub.bin	지원	지원	지원	미지원
E6300-48T	e6300.r200pub.bin	지원	지원	지원	미지원
E6300-48S	e6300.r200pub.bin	지원	지원	지원	미지원
E7124	e7100-r2.7.1pub.bin	지원	지원	지원	지원
E7148	e7100-r2.7.1pub.bin	지원	지원	지원	지원

◎ 장비별 포트 미러링 지원여부

6 E61XX N:1 포트 미러링 설정



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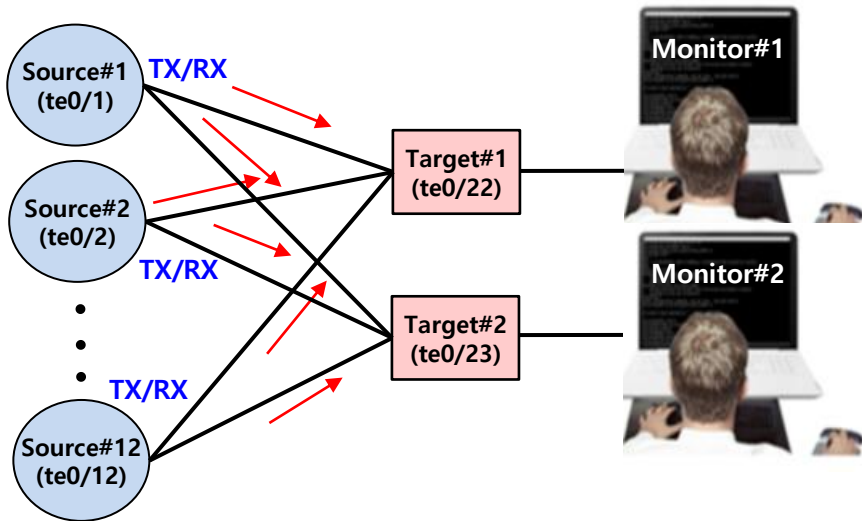
설정
interface Tege0/22
mirror interface te0/1 direction both
mirror interface te0/2 direction both
=====중략=====
mirror interface te0/12 direction both
→ te0/1~0/12의 TX/RX 트래픽을 te0/22로 미러
    
```

E6100#show port counter
Tue Nov 03 2020 03:45:33 UTC

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Te0/1	6,489	6,489	7,788,849,617	108,396,152	10,717,905,848	154,220,992
Te0/2	6,489	6,489	4,027,695,744	62,892,530	3,814,354,066	58,537,271
Te0/3	6,489	6,489	4,027,720,576	62,892,606	3,743,392,512	58,490,508
Te0/4	6,489	6,489	4,027,723,328	62,892,586	3,743,393,664	58,490,526
Te0/5	6,489	6,489	4,027,718,882	62,892,570	3,743,395,986	58,490,551
Te0/6	6,489	6,489	4,027,719,868	62,892,574	7,891,260,638	61,223,004
Te0/7	6,489	6,489	4,027,719,508	62,892,575	3,743,394,736	58,490,538
Te0/8	6,489	6,489	4,027,724,206	62,892,592	3,743,396,674	58,490,557
Te0/9	6,489	6,489	4,027,718,652	62,892,570	3,743,394,660	58,490,538
Te0/10	6,489	6,489	4,027,747,578	62,892,578	3,743,394,928	58,490,541
Te0/11	6,489	6,489	4,027,738,832	62,892,545	3,743,395,542	58,490,550
Te0/12	6,489	6,489	4,027,754,228	62,892,637	3,757,796,512	58,500,060
Te0/13	0	0	0	0	0	0
Te0/14	0	0	0	0	0	0
Te0/15	0	0	0	0	0	0
Te0/16	0	0	0	0	0	0
Te0/17	0	0	0	0	0	0
Te0/18	0	0	0	0	0	0
Te0/19	0	0	0	0	0	0
Te0/20	0	0	0	0	0	0
Te0/21	0	0	29,154	113	1,953,854,892	29,603,746
Te0/22	0	160,613	3,596,684	13,985	38,817,733,561	500,954,878

◎ 장비별 포트 미러링 지원여부

7 E61XX N:N 포트 미러링 설정



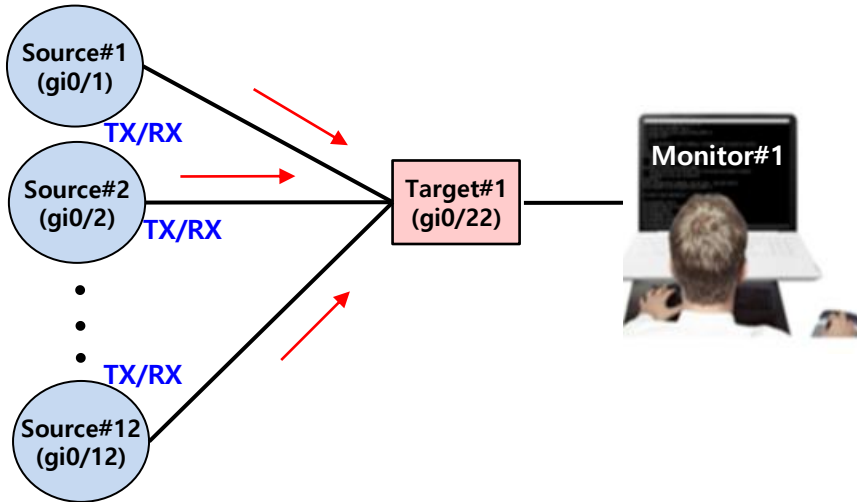
설정
interface Tege0/22
mirror interface te0/1 direction both
mirror interface te0/2 direction both
=====중략=====
mirror interface te0/12 direction both
→ te0/1~0/12의 TX/RX 트래픽을 te0/22로 미러
interface Tege0/23
mirror interface te0/1 direction both
mirror interface te0/2 direction both
=====중략=====
mirror interface te0/12 direction both
→ te0/1~0/12의 TX/RX 트래픽을 te0/23로 미러

```
E6100#show port counter
Tue Nov 03 2020 03:43:51 UTC
```

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Te0/1	6,490	6,490	7,707,544,145	107,125,764	10,636,601,144	152,950,606
Te0/2	6,490	6,490	3,946,390,272	61,622,142	3,733,049,426	57,266,885
Te0/3	6,490	6,490	3,946,415,168	61,622,218	3,662,087,872	57,220,123
Te0/4	6,490	6,490	3,946,417,920	61,622,198	3,662,089,024	57,220,141
Te0/5	6,490	6,490	3,946,413,474	61,622,182	3,662,091,346	57,220,166
Te0/6	6,490	6,490	3,946,414,460	61,622,186	7,809,955,998	59,952,619
Te0/7	6,490	6,490	3,946,414,100	61,622,187	3,662,090,096	57,220,153
Te0/8	6,490	6,490	3,946,418,798	61,622,204	3,662,092,034	57,220,172
Te0/9	6,490	6,490	3,946,413,180	61,622,182	3,662,090,020	57,220,152
Te0/10	6,490	6,490	3,946,441,842	61,622,189	3,662,090,288	57,220,155
Te0/11	6,490	6,490	3,946,433,418	61,622,157	3,662,090,902	57,220,165
Te0/12	6,490	6,490	3,946,448,556	61,622,248	3,676,491,872	57,229,675
Te0/13	0	0	0	0	0	0
Te0/14	0	0	0	0	0	0
Te0/15	0	0	0	0	0	0
Te0/16	0	0	0	0	0	0
Te0/17	0	0	0	0	0	0
Te0/18	0	0	0	0	0	0
Te0/19	0	0	0	0	0	0
Te0/20	0	0	0	0	0	0
Te0/21	0	0	28,380	110	1,953,854,892	29,603,746
Te0/22	0	160,638	3,595,910	13,982	36,805,433,507	470,465,594
Te0/23	0	160,638	3,595,652	13,981	21,920,163,264	270,662,527

◎ 장비별 포트 미러링 지원여부

8 E63XX N:1 포트 미러링 설정



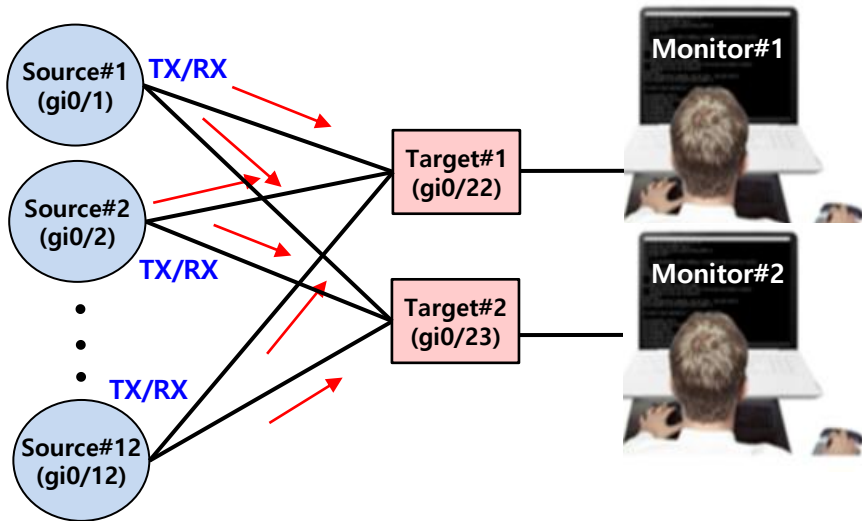
설정
interface Giga0/22
mirror interface gi0/1 direction both
mirror interface gi0/2 direction both
=====중략=====
mirror interface gi0/12 direction both
→ gi0/1~0/12의 TX/RX 트래픽을 gi0/22로 미러

Switch#show port counter

Port	I-kbps	O-kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	6,444	6,444	221,555,145,126	2,581,329,116	280,900,632,873	3,232,152,614
Gi0/2	6,444	6,444	274,296,366,214	3,141,412,026	277,053,031,232	3,185,314,761
Gi0/3	6,445	6,445	274,253,970,989	3,141,770,449	277,146,987,504	3,186,770,477
Gi0/4	6,445	6,445	273,464,220,624	3,132,727,778	276,277,533,496	3,176,508,132
Gi0/5	6,445	6,445	273,478,340,008	3,132,962,889	276,360,620,626	3,177,826,249
Gi0/6	6,445	6,445	282,920,188,074	3,138,983,593	276,264,741,700	3,176,340,510
Gi0/7	6,445	6,445	273,472,856,752	3,132,905,424	276,347,457,550	3,177,647,758
Gi0/8	6,445	6,445	273,460,563,352	3,132,701,024	276,250,289,670	3,176,146,622
Gi0/9	6,445	6,445	273,471,235,754	3,132,893,383	276,337,098,428	3,177,514,717
Gi0/10	6,445	6,445	273,457,713,094	3,132,677,801	276,238,879,240	3,175,994,153
Gi0/11	6,445	6,445	273,473,481,762	3,132,924,148	276,290,453,498	3,176,815,341
Gi0/12	6,445	6,445	273,467,302,885	3,132,639,310	276,227,932,226	3,175,855,254
Gi0/13	0	0	0	0	0	0
Gi0/14	0	0	0	0	0	0
Gi0/15	0	0	0	0	0	0
Gi0/16	0	0	0	0	0	0
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	0	0	0	0	0
Gi0/20	0	0	0	0	0	0
Gi0/21	0	0	38,958	151	39,216	152
Gi0/22	0	159,516	39,280	153	9,915,510,560	150,579,795

◎ 장비별 포트 미러링 지원여부

9 E63XX N:N 포트 미러링 설정



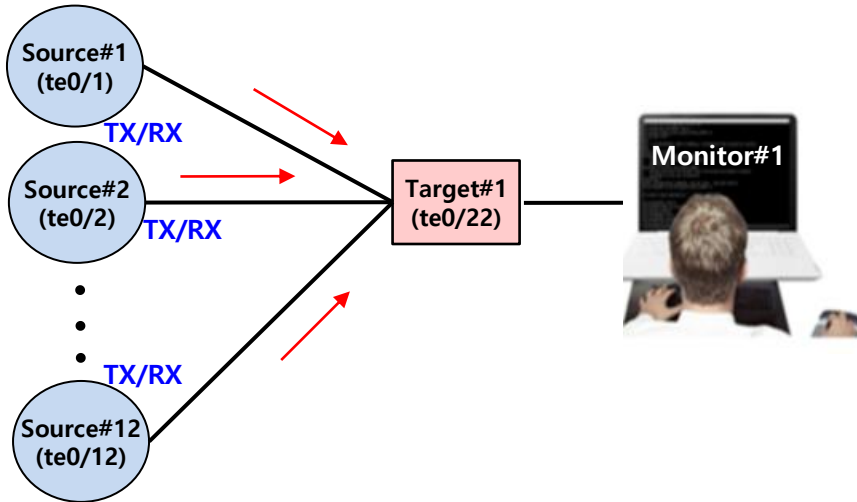
설정
interface Gi0/22
mirror interface gi0/1 direction both
mirror interface gi0/2 direction both
=====중략=====
mirror interface gi0/12 direction both
→ gi0/1~0/12의 TX/RX 트래픽을 gi0/22로 미러
interface Gi0/23
mirror interface gi0/1 direction both
mirror interface gi0/2 direction both
=====중략=====
mirror interface gi0/12 direction both
→ gi0/1~0/12의 TX/RX 트래픽을 gi0/23로 미러

Switch#show port counter

Port	I-kbps	O-kbps	InOctets	InPkts	OutOctets	OutPkts
Gi0/1	6,444	6,444	221,555,145,126	2,581,329,116	280,900,632,873	3,232,152,614
Gi0/2	6,444	6,444	274,296,366,214	3,141,412,026	277,053,031,232	3,185,314,761
Gi0/3	6,445	6,445	274,253,970,989	3,141,770,449	277,146,987,504	3,186,770,477
Gi0/4	6,445	6,445	273,464,220,624	3,132,727,778	276,277,533,496	3,176,508,132
Gi0/5	6,445	6,445	273,478,340,008	3,132,962,889	276,360,620,626	3,177,826,249
Gi0/6	6,445	6,445	282,920,188,074	3,138,983,593	276,264,741,700	3,176,340,510
Gi0/7	6,445	6,445	273,472,856,752	3,132,905,424	276,347,457,550	3,177,647,758
Gi0/8	6,445	6,445	273,460,563,352	3,132,701,024	276,250,289,670	3,176,146,622
Gi0/9	6,445	6,445	273,471,235,754	3,132,893,383	276,337,098,428	3,177,514,717
Gi0/10	6,445	6,445	273,457,713,094	3,132,677,801	276,238,879,240	3,175,994,153
Gi0/11	6,445	6,445	273,473,481,762	3,132,924,148	276,290,453,498	3,176,815,341
Gi0/12	6,445	6,445	273,467,302,885	3,132,639,310	276,227,932,226	3,175,855,254
Gi0/13	0	0	0	0	0	0
Gi0/14	0	0	0	0	0	0
Gi0/15	0	0	0	0	0	0
Gi0/16	0	0	0	0	0	0
Gi0/17	0	0	0	0	0	0
Gi0/18	0	0	0	0	0	0
Gi0/19	0	0	0	0	0	0
Gi0/20	0	0	0	0	0	0
Gi0/21	0	0	38,958	151	39,216	152
Gi0/22	0	159,516	39,280	153	9,915,510,560	150,579,795
Gi0/23	0	159,517	38,764	151	13,312,618,318	201,782,699

◎ 장비별 포트 미러링 지원여부

10 E71XX N:1 포트 미러링 설정



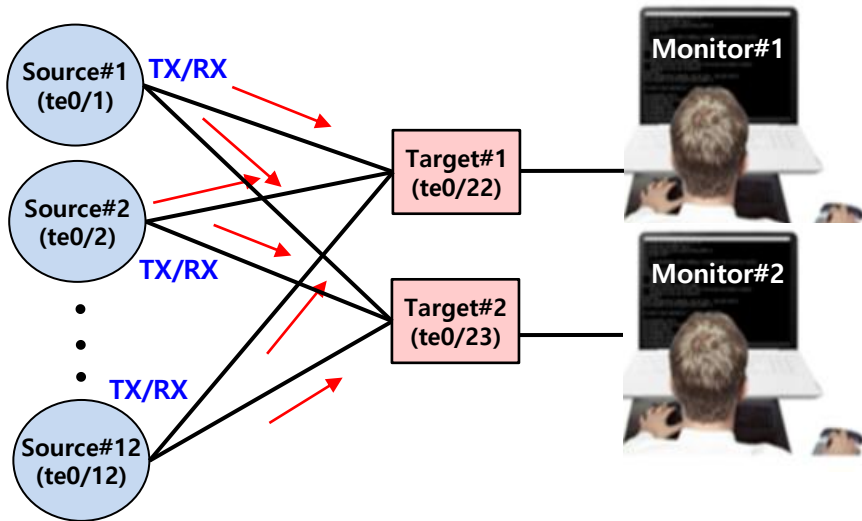
설정
monitor session 1
source interface TenGi0/1 both
=====중략=====
source interface TenGi0/12 both
destination interface TenGi0/22
no shut
→ te0/1~0/12의 TX/RX 트래픽을 te0/22로 미러

```
E7148#show port counter
Wed Nov 04 2020 00:55:53 UTC
```

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Te0/1	6,404	6,404	779,737,664	12,183,402	5,796,796,628	90,574,947
Te0/2	6,404	6,404	778,502,272	12,164,099	5,797,607,984	90,587,624
Te0/3	6,404	6,404	778,515,904	12,164,311	5,798,034,088	90,594,282
Te0/4	6,404	6,404	778,008,896	12,156,390	5,797,958,636	90,593,104
Te0/5	6,404	6,404	778,003,008	12,156,297	5,797,588,464	90,587,319
Te0/6	6,404	6,404	778,032,831	12,156,763	5,797,418,924	90,584,670
Te0/7	6,404	6,404	778,043,520	12,156,930	5,797,582,124	90,587,220
Te0/8	6,404	6,404	777,688,000	12,151,375	5,796,312,560	90,567,383
Te0/9	6,404	6,404	777,600,320	12,150,005	5,795,444,840	90,553,826
Te0/10	6,404	6,404	777,395,392	12,146,803	5,794,155,868	90,533,685
Te0/11	6,404	6,404	777,172,416	12,143,319	5,794,134,752	90,533,355
Te0/12	6,404	6,404	776,783,488	12,137,242	5,792,809,948	90,512,655
Te0/13	0	0	0	0	0	0
Te0/14	0	0	0	0	0	0
Te0/15	0	0	0	0	0	0
Te0/16	0	0	0	0	0	0
Te0/17	0	0	0	0	0	0
Te0/18	0	0	0	0	0	0
Te0/19	0	0	0	0	0	0
Te0/20	0	0	0	0	0	0
Te0/21	0	0	0	0	0	0
Te0/22	0	158,507	0	0	2,479,667,572	37,570,725

◎ 장비별 포트 미러링 지원여부

11 E71XX N:N 포트 미러링 설정



E7148#show port counter
Wed Nov 04 2020 00:59:32 UTC

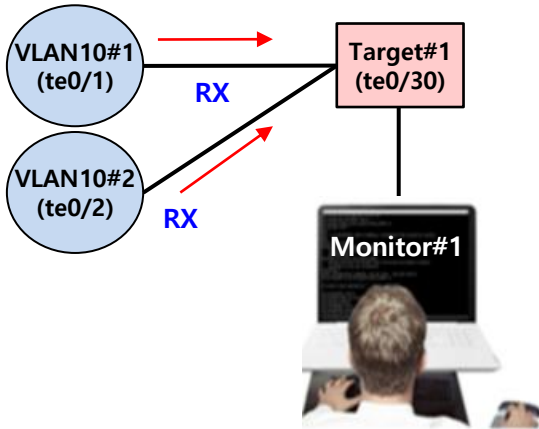
Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Te0/1	6,405	6,405	952,041,728	14,875,652	5,969,100,628	93,267,197
Te0/2	6,405	6,405	950,806,336	14,856,349	5,969,911,984	93,279,874
Te0/3	6,405	6,405	950,819,904	14,856,561	5,970,338,088	93,286,532
Te0/4	6,405	6,405	950,312,960	14,848,640	5,970,262,700	93,285,354
Te0/5	6,405	6,405	950,307,008	14,848,547	5,969,892,464	93,279,569
Te0/6	6,405	6,405	950,336,895	14,849,013	5,969,722,988	93,276,921
Te0/7	6,405	6,405	950,347,520	14,849,180	5,969,886,124	93,279,470
Te0/8	6,405	6,405	949,992,064	14,843,626	5,968,616,624	93,259,634
Te0/9	6,405	6,405	949,904,384	14,842,256	5,967,748,904	93,246,076
Te0/10	6,405	6,405	949,699,392	14,839,053	5,966,459,868	93,225,935
Te0/11	6,405	6,405	949,476,480	14,835,570	5,966,438,816	93,225,606
Te0/12	6,405	6,405	949,087,488	14,829,493	5,965,113,948	93,204,906
Te0/13	0	0	0	0	0	0
Te0/14	0	0	0	0	0	0
Te0/15	0	0	0	0	0	0
Te0/16	0	0	0	0	0	0
Te0/17	0	0	0	0	0	0
Te0/18	0	0	0	0	0	0
Te0/19	0	0	0	0	0	0
Te0/20	0	0	0	0	0	0
Te0/21	0	0	0	0	0	0
Te0/22	0	158,534	0	0	6,744,192,560	102,184,741
Te0/23	0	158,535	0	0	473,370,784	7,172,291

설정

```
monitor session 1
source interface TenGi0/1 both
=====중략=====
source interface TenGi0/12 both
destination interface TenGi0/22
no shut
→ te0/1~0/12의 TX/RX 트래픽을 te0/22로 미러

monitor session 2
source interface TenGi0/1 both
=====중략=====
source interface TenGi0/12 both
destination interface TenGi0/23
no shut
→ te0/1~0/12의 TX/RX 트래픽을 te0/23로 미러
```

12 E71XX VLAN 미러링 설정



설정
monitor session 1
source interface TenGi0/1 rx
=====중략=====
source interface TenGi0/12 rx
destination interface TenGi0/30
filter vlan 10
no shut
→ te0/1의 vlan10 TX 트래픽을 te0/30로 미러링
참고 : VLAN RX 트래픽만 미러링 가능

```
E7148#show port counter
Wed Nov 04 2020 00:59:32 UTC
```

Port	I-Kbps	O-Kbps	InOctets	InPkts	OutOctets	OutPkts
Te0/1	6,405	6,405	952,041,728	14,875,652	5,969,100,628	93,267,197
Te0/2	6,405	6,405	950,806,336	14,856,349	5,969,911,984	93,279,874
Te0/3	6,405	6,405	950,819,904	14,856,561	5,970,338,088	93,286,532
Te0/4	6,405	6,405	950,312,960	14,848,640	5,970,262,700	93,285,354
Te0/5	6,405	6,405	950,307,008	14,848,547	5,969,892,464	93,279,569
Te0/6	6,405	6,405	950,336,895	14,849,013	5,969,722,988	93,276,921
Te0/7	6,405	6,405	950,347,520	14,849,180	5,969,886,124	93,279,470
Te0/8	6,405	6,405	949,992,064	14,843,626	5,968,616,624	93,259,634
Te0/9	6,405	6,405	949,904,384	14,842,256	5,967,748,904	93,246,076
Te0/10	6,405	6,405	949,699,392	14,839,053	5,966,459,868	93,225,935
Te0/11	6,405	6,405	949,476,480	14,835,570	5,966,438,816	93,225,606
Te0/12	6,405	6,405	949,087,488	14,829,493	5,965,113,948	93,204,906
Te0/13	0	0	0	0	0	0
Te0/14	0	0	0	0	0	0
Te0/15	0	0	0	0	0	0
Te0/16	0	0	0	0	0	0
Te0/17	0	0	0	0	0	0
Te0/18	0	0	0	0	0	0
Te0/19	0	0	0	0	0	0
Te0/20	0	0	0	0	0	0
Te0/21	0	0	0	0	0	0
Te0/22	0	158,534	0	0	6,744,192,560	102,184,741
Te0/23	0	158,535	0	0	473,370,784	7,172,291