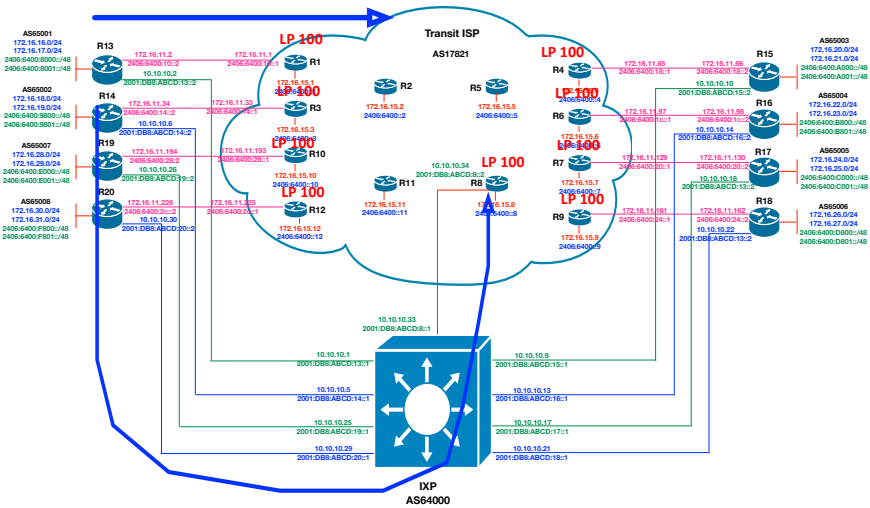


BGP Local Pref Lab

1

BGP TE- Default Local Pref



BGP TE- Default Local Pref

Network	Next Hop	Metric	LocPrf	Weight	Path
>> 0.0.0.0	172.16.11.1				0 17821 i
* 10.10.10.0/24	172.16.11.1				0 17821 64000 i
>>	10.10.10.1	0			0 64000 i
>> 172.16.0.0/24	10.10.10.1				0 64000 17821 i
>> 172.16.2.0/24	10.10.10.1				0 64000 17821 i
>> 172.16.4.0/24	10.10.10.1				0 64000 17821 i
>> 172.16.6.0/24	10.10.10.1				0 64000 17821 i
>> 172.16.16.0/24	0.0.0.0	0		32768	i
>> 172.16.17.0/24	0.0.0.0	0		32768	i
* 172.16.18.0/24	172.16.11.1				0 17821 65002 i
>>	10.10.10.1				0 64000 65002 i
* 172.16.19.0/24	172.16.11.1				0 17821 65002 i
>>	10.10.10.1				0 64000 65002 i
* 172.16.20.0/24	172.16.11.1				0 17821 65003 i
>>	10.10.10.1				0 64000 65003 i
* 172.16.21.0/24	172.16.11.1				0 17821 65003 i
>>	10.10.10.1				0 64000 65003 i
* 172.16.22.0/24	172.16.11.1				0 17821 65004 i
>>	10.10.10.1				0 64000 65004 i
* 172.16.23.0/24	172.16.11.1				0 17821 65004 i
>>	10.10.10.1				0 64000 65004 i
* 172.16.24.0/24	172.16.11.1				0 17821 65005 i
>>	10.10.10.1				0 64000 65005 i
* 172.16.25.0/24	172.16.11.1				0 17821 65005 i
>>	10.10.10.1				0 64000 65005 i
* 172.16.26.0/24	172.16.11.1				0 17821 65006 i
>>	10.10.10.1				0 64000 65006 i
* 172.16.27.0/24	172.16.11.1				0 17821 65006 i
>>	10.10.10.1				0 64000 65006 i
* 172.16.28.0/24	172.16.11.1				0 17821 65007 i
>>	10.10.10.1				0 64000 65007 i
* 172.16.29.0/24	172.16.11.1				0 17821 65007 i
>>	10.10.10.1				0 64000 65007 i
* 172.16.30.0/24	172.16.11.1				0 17821 65008 i
>>	10.10.10.1				0 64000 65008 i
* 172.16.31.0/24	172.16.11.1				0 17821 65008 i
>>	10.10.10.1				0 64000 65008 i

r13-CAR1#

BGP TE- Default Local Pref

Network	Next Hop	Metric	LocPrf	Weight	Path
0.0.0.0	0.0.0.0				0 i
>>i 10.10.10.0/24	172.16.15.8	0	100		0 64000 i
>>i 172.16.0.0/24	172.16.15.2	0	100		0 i
>>i 172.16.2.0/24	172.16.15.5	0	100		0 i
>>i 172.16.4.0/24	172.16.15.8	0	100		0 i
>>i 172.16.6.0/24	172.16.15.11	0	100		0 i
>> 172.16.11.0/27	0.0.0.0	0		32768	i
* i 172.16.11.32/27	172.16.15.3	0	100		0 i
>>i	172.16.15.3	0	100		0 i
>>i 172.16.11.64/27	172.16.15.4	0	100		0 i
>>i 172.16.11.96/27	172.16.15.6	0	100		0 i
>>i 172.16.11.128/27	172.16.15.7	0	100		0 i
>>i 172.16.11.160/27	172.16.15.9	0	100		0 i
>>i 172.16.11.192/27	172.16.15.10	0	100		0 i
>>i 172.16.11.224/27	172.16.15.12	0	100		0 i
>> 172.16.16.0/24	172.16.11.2	0			0 65001 i
>> 172.16.17.0/24	172.16.11.2	0			0 65001 i
>>i 172.16.18.0/24	172.16.15.3	0	100		0 65002 i
* i	172.16.15.3	0	100		0 65002 i
>>i 172.16.19.0/24	172.16.15.3	0	100		0 65002 i
* i	172.16.15.3	0	100		0 65002 i
>>i 172.16.20.0/24	172.16.15.4	0	100		0 65003 i
>>i 172.16.21.0/24	172.16.15.4	0	100		0 65003 i
>>i 172.16.22.0/24	172.16.15.6	0	100		0 65004 i
>>i 172.16.23.0/24	172.16.15.6	0	100		0 65004 i
>>i 172.16.24.0/24	172.16.15.7	0	100		0 65005 i
>>i 172.16.25.0/24	172.16.15.7	0	100		0 65005 i
>>i 172.16.26.0/24	172.16.15.9	0	100		0 65006 i
>>i 172.16.27.0/24	172.16.15.9	0	100		0 65006 i
>>i 172.16.28.0/24	172.16.15.10	0	100		0 65007 i
>>i 172.16.29.0/24	172.16.15.10	0	100		0 65007 i
>>i 172.16.30.0/24	172.16.15.12	0	100		0 65008 i
>>i 172.16.31.0/24	172.16.15.12	0	100		0 65008 i

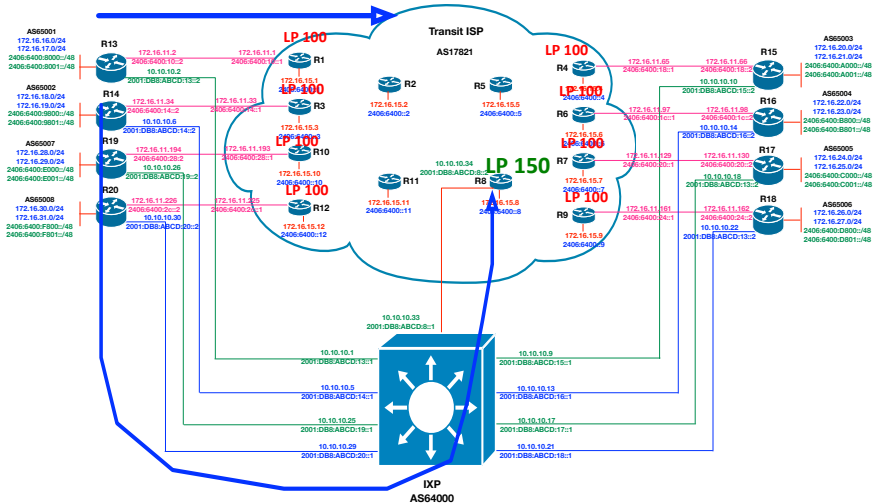
Router1#

BGP TE- Default Local Pref

Network	Next Hop	Metric	LocPrf	Weight	Path
*> 10.10.10.0/24	10.10.10.33	0		0	64000 i
*> 172.16.0.0/24	172.16.15.2	0	100	0	i
*> 172.16.2.0/24	172.16.15.5	0	100	0	i
*> 172.16.4.0/24	0.0.0.0	0		32768	i
*> 172.16.6.0/24	172.16.15.11	0	100	0	i
*> 172.16.11.0/27	172.16.15.1	0	100	0	i
*> 172.16.11.32/27	172.16.15.3	0	100	0	i
*> 172.16.11.64/27	172.16.15.4	0	100	0	i
*> 172.16.11.96/27	172.16.15.6	0	100	0	i
*> 172.16.11.128/27	172.16.15.7	0	100	0	i
*> 172.16.11.160/27	172.16.15.9	0	100	0	i
*> 172.16.11.192/27	172.16.15.10	0	100	0	i
*> 172.16.11.224/27	172.16.15.12	0	100	0	i
*> 172.16.16.0/24	172.16.15.1	0	100	0	65001 i
*	10.10.10.33				0 64000 65001 i
*> 172.16.17.0/24	172.16.15.1	0	100	0	65001 i
*	10.10.10.33				0 64000 65001 i
*> 172.16.18.0/24	172.16.15.3	0	100	0	65002 i
*	10.10.10.33				0 64000 65002 i
*> 172.16.19.0/24	172.16.15.3	0	100	0	65002 i
*	10.10.10.33				0 64000 65002 i
*> 172.16.20.0/24	172.16.15.4	0	100	0	65003 i
*	10.10.10.33				0 64000 65003 i
*> 172.16.21.0/24	172.16.15.4	0	100	0	65003 i
*	10.10.10.33				0 64000 65003 i
*> 172.16.22.0/24	172.16.15.6	0	100	0	65004 i
*	10.10.10.33				0 64000 65004 i
*> 172.16.23.0/24	172.16.15.6	0	100	0	65004 i
*	10.10.10.33				0 64000 65004 i
*> 172.16.24.0/24	10.10.10.33	0	100	0	65005 i
*	10.10.10.33				0 64000 65005 i
*> 172.16.25.0/24	172.16.15.7	0	100	0	65005 i
*	10.10.10.33				0 64000 65005 i
*> 172.16.26.0/24	172.16.15.9	0	100	0	65006 i
*	10.10.10.33				0 64000 65006 i
*> 172.16.27.0/24	172.16.15.9	0	100	0	65006 i
*	10.10.10.33				0 64000 65006 i
*> 172.16.28.0/24	172.16.15.10	0	100	0	65007 i
*	10.10.10.33				0 64000 65007 i
*> 172.16.29.0/24	172.16.15.10	0	100	0	65007 i
*	10.10.10.33				0 64000 65007 i
*> 172.16.30.0/24	172.16.15.12	0	100	0	65008 i
*	10.10.10.33				0 64000 65008 i
*> 172.16.31.0/24	172.16.15.12	0	100	0	65008 i
*	10.10.10.33				0 64000 65008 i

Router8#

BGP TE- High Pref R8



BGP TE- High Pref R8

```

Network          Next Hop          Metric LocPrf Weight Path
*> 0.0.0.0        172.16.11.1      0          0 17821 i
* 10.10.10.0/24  172.16.11.1      0          0 17821 64000 i
*>                10.10.10.1      0          0 64000 i
*> 172.16.0.0/24  10.10.10.1      0          0 64000 17821 i
*> 172.16.2.0/24  10.10.10.1      0          0 64000 17821 i
*> 172.16.4.0/24  10.10.10.1      0          0 64000 17821 i
*> 172.16.6.0/24  10.10.10.1      0          0 64000 17821 i
*> 172.16.16.0/24 0.0.0.0          0          32768 i
*> 172.16.17.0/24 0.0.0.0          0          32768 i
* 172.16.18.0/24  172.16.11.1      0          0 17821 64000 65002 i
*>                10.10.10.1      0          0 64000 65002 i
* 172.16.19.0/24  172.16.11.1      0          0 17821 64000 65002 i
*>                10.10.10.1      0          0 64000 65002 i
* 172.16.20.0/24  172.16.11.1      0          0 17821 64000 65003 i
*>                10.10.10.1      0          0 64000 65003 i
* 172.16.21.0/24  172.16.11.1      0          0 17821 64000 65003 i
*>                10.10.10.1      0          0 64000 65003 i
* 172.16.22.0/24  172.16.11.1      0          0 17821 64000 65004 i
*>                10.10.10.1      0          0 64000 65004 i
* 172.16.23.0/24  172.16.11.1      0          0 17821 64000 65004 i
*>                10.10.10.1      0          0 64000 65004 i
* 172.16.24.0/24  172.16.11.1      0          0 17821 64000 65005 i
*>                10.10.10.1      0          0 64000 65005 i
* 172.16.25.0/24  172.16.11.1      0          0 17821 64000 65005 i
*>                10.10.10.1      0          0 64000 65005 i
* 172.16.26.0/24  172.16.11.1      0          0 17821 64000 65006 i
*>                10.10.10.1      0          0 64000 65006 i
* 172.16.27.0/24  172.16.11.1      0          0 17821 64000 65006 i
*>                10.10.10.1      0          0 64000 65006 i
* 172.16.28.0/24  172.16.11.1      0          0 17821 64000 65007 i
*>                10.10.10.1      0          0 64000 65007 i
* 172.16.29.0/24  172.16.11.1      0          0 17821 64000 65007 i
*>                10.10.10.1      0          0 64000 65007 i
* 172.16.30.0/24  172.16.11.1      0          0 17821 64000 65008 i
*>                10.10.10.1      0          0 64000 65008 i
* 172.16.31.0/24  172.16.11.1      0          0 17821 64000 65008 i
*>                10.10.10.1      0          0 64000 65008 i
r13-CAR1#

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BGP TE- High Pref R8

```

Network          Next Hop          Metric LocPrf Weight Path
0.0.0.0          0.0.0.0          0          0 i
**i 10.10.10.0/24  172.16.15.8      0          100 0 64000 i
**i 172.16.0.0/24  172.16.15.2      0          100 0 i
**i 172.16.2.0/24  172.16.15.5      0          100 0 i
**i 172.16.4.0/24  172.16.15.8      0          100 0 i
**i 172.16.6.0/24  172.16.15.11     0          100 0 i
*> 172.16.11.0/27  0.0.0.0          0          32768 i
* i 172.16.11.32/27 172.16.15.3      0          100 0 i
**i                172.16.15.3      0          100 0 i
**i 172.16.11.64/27 172.16.15.4      0          100 0 i
**i 172.16.11.96/27 172.16.15.6      0          100 0 i
**i 172.16.11.128/27 172.16.15.7      0          100 0 i
**i 172.16.11.160/27 172.16.15.9      0          100 0 i
**i 172.16.11.192/27 172.16.15.10     0          100 0 i
**i 172.16.11.224/27 172.16.15.12     0          100 0 i
**i 172.16.16.0/24  172.16.15.8      0          150 0 64000 65001 i
*                172.16.11.2      0          0 65001 i
**i 172.16.17.0/24  172.16.15.8      0          150 0 64000 65001 i
*                172.16.11.2      0          0 65001 i
**i 172.16.18.0/24  172.16.15.8      0          150 0 64000 65002 i
**i 172.16.19.0/24  172.16.15.8      0          150 0 64000 65002 i
**i 172.16.20.0/24  172.16.15.8      0          150 0 64000 65003 i
**i 172.16.21.0/24  172.16.15.8      0          150 0 64000 65003 i
**i 172.16.22.0/24  172.16.15.8      0          150 0 64000 65004 i
**i 172.16.23.0/24  172.16.15.8      0          150 0 64000 65004 i
**i 172.16.24.0/24  172.16.15.8      0          150 0 64000 65005 i
**i 172.16.25.0/24  172.16.15.8      0          150 0 64000 65005 i
**i 172.16.26.0/24  172.16.15.8      0          150 0 64000 65006 i
**i 172.16.27.0/24  172.16.15.8      0          150 0 64000 65006 i
**i 172.16.28.0/24  172.16.15.8      0          150 0 64000 65007 i
**i 172.16.29.0/24  172.16.15.8      0          150 0 64000 65007 i
**i 172.16.30.0/24  172.16.15.8      0          150 0 64000 65008 i
**i 172.16.31.0/24  172.16.15.8      0          150 0 64000 65008 i
Router1#

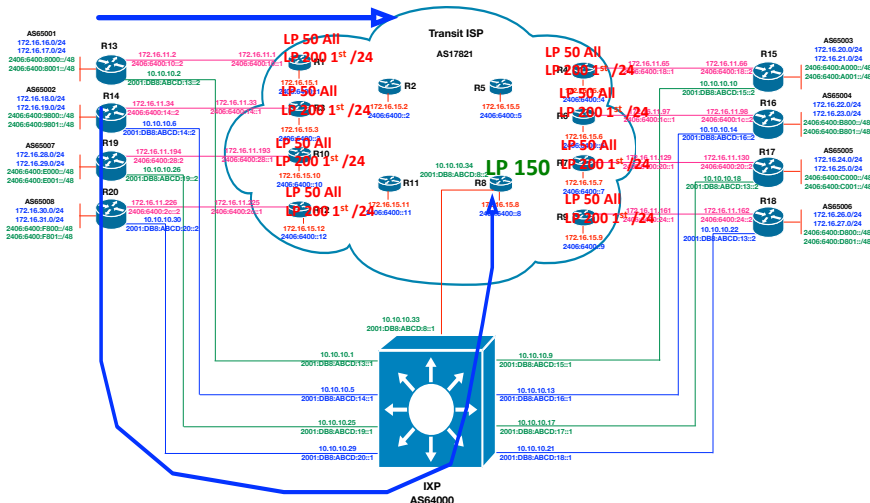
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BGP TE- High Pref R8

Network	Next Hop	Metric	LocPrf	Weight	Path
*> 10.10.10.0/24	10.10.10.33	0		0	64000 i
*>i 172.16.0.0/24	172.16.15.2	0	100	0	i
*>i 172.16.2.0/24	172.16.15.5	0	100	0	i
*> 172.16.4.0/24	0.0.0.0	0		32768	i
*>i 172.16.6.0/24	172.16.15.11	0	100	0	i
*>i 172.16.11.0/27	172.16.15.1	0	100	0	i
*>i 172.16.11.32/27	172.16.15.3	0	100	0	i
*>i 172.16.11.64/27	172.16.15.4	0	100	0	i
*>i 172.16.11.96/27	172.16.15.6	0	100	0	i
*>i 172.16.11.128/27	172.16.15.7	0	100	0	i
*>i 172.16.11.160/27	172.16.15.9	0	100	0	i
*>i 172.16.11.192/27	172.16.15.10	0	100	0	i
*>i 172.16.11.224/27	172.16.15.12	0	100	0	i
*> 172.16.16.0/24	10.10.10.33	150		0	64000 65001 i
*> 172.16.17.0/24	10.10.10.33	150		0	64000 65001 i
*> 172.16.18.0/24	10.10.10.33	150		0	64000 65002 i
*> 172.16.19.0/24	10.10.10.33	150		0	64000 65002 i
*> 172.16.20.0/24	10.10.10.33	150		0	64000 65003 i
*> 172.16.21.0/24	10.10.10.33	150		0	64000 65003 i
*> 172.16.22.0/24	10.10.10.33	150		0	64000 65004 i
*> 172.16.23.0/24	10.10.10.33	150		0	64000 65004 i
*> 172.16.24.0/24	10.10.10.33	150		0	64000 65005 i
*> 172.16.25.0/24	10.10.10.33	150		0	64000 65005 i
*> 172.16.26.0/24	10.10.10.33	150		0	64000 65006 i
*> 172.16.27.0/24	10.10.10.33	150		0	64000 65006 i
*> 172.16.28.0/24	10.10.10.33	150		0	64000 65007 i
*> 172.16.29.0/24	10.10.10.33	150		0	64000 65007 i
*> 172.16.30.0/24	10.10.10.33	150		0	64000 65008 i
*> 172.16.31.0/24	10.10.10.33	150		0	64000 65008 i

Router8#

BGP TE- LP 50 All 200 1st /24



BGP TE- LP 50 All 200 1st /24

Network	Next Hop	Metric	LocPrf	Weight	Path
>> 0.0.0.0	172.16.11.1			0	17821 i
* 10.10.10.0/24	172.16.11.1			0	17821 64000 i
>>	10.10.10.1	0		0	64000 i
>> 172.16.0.0/24	10.10.10.1			0	64000 17821 i
>> 172.16.2.0/24	10.10.10.1			0	64000 17821 i
>> 172.16.4.0/24	10.10.10.1			0	64000 17821 i
>> 172.16.6.0/24	10.10.10.1			0	64000 17821 i
>> 172.16.16.0/24	0.0.0.0	0		32768	i
>> 172.16.17.0/24	0.0.0.0	0		32768	i
* 172.16.18.0/24	172.16.11.1			0	17821 65002 i
>>	10.10.10.1			0	64000 65002 i
* 172.16.19.0/24	172.16.11.1			0	17821 64000 65002 i
>>	10.10.10.1			0	64000 65002 i
* 172.16.20.0/24	172.16.11.1			0	17821 65003 i
>>	10.10.10.1			0	64000 65003 i
* 172.16.21.0/24	172.16.11.1			0	17821 64000 65003 i
>>	10.10.10.1			0	64000 65003 i
* 172.16.22.0/24	172.16.11.1			0	17821 65004 i
>>	10.10.10.1			0	64000 65004 i
* 172.16.23.0/24	172.16.11.1			0	17821 64000 65004 i
>>	10.10.10.1			0	64000 65004 i
* 172.16.24.0/24	172.16.11.1			0	17821 65005 i
>>	10.10.10.1			0	64000 65005 i
* 172.16.25.0/24	172.16.11.1			0	17821 64000 65005 i
>>	10.10.10.1			0	64000 65005 i
* 172.16.26.0/24	172.16.11.1			0	17821 65006 i
>>	10.10.10.1			0	64000 65006 i
* 172.16.27.0/24	172.16.11.1			0	17821 64000 65006 i
>>	10.10.10.1			0	64000 65006 i
* 172.16.28.0/24	172.16.11.1			0	17821 65007 i
>>	10.10.10.1			0	64000 65007 i
* 172.16.29.0/24	172.16.11.1			0	17821 64000 65007 i
>>	10.10.10.1			0	64000 65007 i
* 172.16.30.0/24	172.16.11.1			0	17821 65008 i
>>	10.10.10.1			0	64000 65008 i
* 172.16.31.0/24	172.16.11.1			0	17821 64000 65008 i
>>	10.10.10.1			0	64000 65008 i

r13-CAR1#

BGP TE- LP 50 All 200 1st /24

Network	Next Hop	Metric	LocPrf	Weight	Path
>> 0.0.0.0	0.0.0.0			0	i
>>i 10.10.10.0/24	172.16.15.8	0	100	0	64000 i
>>i 172.16.0.0/24	172.16.15.2	0	100	0	i
>>i 172.16.2.0/24	172.16.15.5	0	100	0	i
>>i 172.16.4.0/24	172.16.15.8	0	100	0	i
>>i 172.16.6.0/24	172.16.15.11	0	100	0	i
>> 172.16.11.0/27	0.0.0.0	0		32768	i
* i 172.16.11.32/27	172.16.15.3	0	100	0	i
>>i	172.16.15.3	0	100	0	i
>>i 172.16.11.64/27	172.16.15.4	0	100	0	i
>>i 172.16.11.96/27	172.16.15.6	0	100	0	i
>>i 172.16.11.128/27	172.16.15.7	0	100	0	i
>>i 172.16.11.160/27	172.16.15.9	0	100	0	i
>>i 172.16.11.192/27	172.16.15.10	0	100	0	i
>>i 172.16.11.224/27	172.16.15.12	0	100	0	i
>> 172.16.16.0/24	172.16.11.2	0	200	0	65001 i
* i 172.16.17.0/24	172.16.15.8	0	150	0	64000 65001 i
>>i	172.16.11.2	0	50	0	65001 i
* i 172.16.18.0/24	172.16.15.3	0	200	0	65002 i
>>i	172.16.15.3	0	200	0	65002 i
>>i 172.16.19.0/24	172.16.15.8	0	150	0	64000 65002 i
>>i 172.16.20.0/24	172.16.15.4	0	200	0	65003 i
>>i 172.16.21.0/24	172.16.15.8	0	150	0	64000 65003 i
>>i 172.16.22.0/24	172.16.15.6	0	200	0	65004 i
>>i 172.16.23.0/24	172.16.15.8	0	150	0	64000 65004 i
>>i 172.16.24.0/24	172.16.15.7	0	200	0	65005 i
>>i 172.16.25.0/24	172.16.15.8	0	150	0	64000 65005 i
>>i 172.16.26.0/24	172.16.15.9	0	200	0	65006 i
>>i 172.16.27.0/24	172.16.15.8	0	150	0	64000 65006 i
>>i 172.16.28.0/24	172.16.15.10	0	200	0	65007 i
>>i 172.16.29.0/24	172.16.15.8	0	150	0	64000 65007 i
>>i 172.16.30.0/24	172.16.15.12	0	200	0	65008 i
>>i 172.16.31.0/24	172.16.15.8	0	150	0	64000 65008 i

Router1#

BGP TE- LP 50 All 200 1st /24

```

Network          Next Hop          Metric LocPrf Weight Path
*> 10.10.10.0/24  10.10.10.33      0         0 64000 i
*> i 172.16.0.0/24 172.16.15.2      0         0 1
*> i 172.16.2.0/24 172.16.15.5      0         0 1
*> 172.16.4.0/24  0.0.0.0          0         0 32768 i
*> i 172.16.6.0/24 172.16.15.11     0         0 100 0 i
*> i 172.16.11.0/27 172.16.15.1      0         0 100 0 i
*> i 172.16.11.32/27 172.16.15.3      0         0 100 0 i
*> i 172.16.11.64/27 172.16.15.4      0         0 100 0 i
*> i 172.16.11.96/27 172.16.15.6      0         0 100 0 i
*> i 172.16.11.128/27 172.16.15.7      0         0 100 0 i
*> i 172.16.11.160/27 172.16.15.9      0         0 100 0 i
*> i 172.16.11.192/27 172.16.15.10     0         0 100 0 i
*> i 172.16.11.224/27 172.16.15.12     0         0 100 0 i
*> i 172.16.16.0/24 172.16.15.1      0         0 200 0 65001 i
*          10.10.10.33      150        0 64000 65001 i
*> 172.16.17.0/24 10.10.10.33      150        0 64000 65001 i
*> i 172.16.18.0/24 172.16.15.3      0         0 200 0 65002 i
*          10.10.10.33      150        0 64000 65002 i
*> 172.16.19.0/24 10.10.10.33      150        0 64000 65002 i
*> i 172.16.20.0/24 172.16.15.4      0         0 200 0 65003 i
*          10.10.10.33      150        0 64000 65003 i
*> 172.16.21.0/24 10.10.10.33      150        0 64000 65003 i
*          10.10.10.33      150        0 64000 65004 i
*> i 172.16.22.0/24 172.16.15.6      0         0 200 0 65004 i
*> 172.16.23.0/24 10.10.10.33      150        0 64000 65004 i
*> i 172.16.24.0/24 172.16.15.7      0         0 200 0 65005 i
*          10.10.10.33      150        0 64000 65005 i
*> 172.16.25.0/24 10.10.10.33      150        0 64000 65005 i
*> i 172.16.26.0/24 172.16.15.9      0         0 200 0 65006 i
*          10.10.10.33      150        0 64000 65006 i
*> 172.16.27.0/24 10.10.10.33      150        0 64000 65006 i
*> i 172.16.28.0/24 172.16.15.10     0         0 200 0 65007 i
*          10.10.10.33      150        0 64000 65007 i
*> 172.16.29.0/24 10.10.10.33      150        0 64000 65007 i
*> i 172.16.30.0/24 172.16.15.12     0         0 200 0 65008 i
*          10.10.10.33      150        0 64000 65008 i
*> 172.16.31.0/24 10.10.10.33      150        0 64000 65008 i
Router8#

```

Config Template-IPv4 [R1]

```

config t
ip prefix-list AS65001-PREF-TRANS seq 5 permit 172.16.16.0/24
ip prefix-list AS65001-PREF-IX seq 5 permit 172.16.17.0/24
route-map SET-LOCAL-PREF permit 10
match ip address prefix-list AS65001-PREF-TRANS
set local-preference 200
route-map SET-LOCAL-PREF permit 20
match ip address prefix-list AS65001-PREF-IX
set local-preference 50
route-map SET-LOCAL-PREF permit 30
exit
router bgp 17821
address-family ipv4
neighbor 172.16.11.2 route-map SET-LOCAL-PREF in
end
wr

clear bgp ipv4 unicast * soft in

```

Config Template-IPv6 [R1]

```
conf t
ipv6 prefix-list AS65001-V6-PREF-TRANS seq 5 permit 2406:6400:8000::/48
ipv6 prefix-list AS65001-V6-PREF-IX seq 5 permit 2406:6400:8001::/48
route-map V6-SET-LOCAL-PREF permit 10
match ipv6 address prefix-list AS65001-V6-PREF-TRANS
set local-preference 200
route-map V6-SET-LOCAL-PREF permit 20
match ipv6 address prefix-list AS65001-V6-PREF-IX
set local-preference 50
route-map V6-SET-LOCAL-PREF permit 30
exit
router bgp 17821
address-family ipv6
neighbor 2406:6400:10::2 route-map V6-SET-LOCAL-PREF in
end
wr

clear bgp ipv6 unicast * soft in
```

Config Template-IPv4 [R8]

```
conf t
ip prefix-list IXP-PREFIX permit 172.16.16.0/20 le 24
route-map SET-LOCAL-PREF permit 10
match ip address prefix-list IXP-PREFIX
set local-preference 150
route-map SET-LOCAL-PREF permit 30
exit
router bgp 17821
address-family ipv4
neighbor 10.10.10.33 route-map SET-LOCAL-PREF in
end
wr

clear bgp ipv4 unicast * soft in
```


Config Template-IPv6 [R8]

```
config t
ipv6 prefix-list IPV6-IXP-PREFIX seq 10 permit 2406:6400:8000::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 12 permit 2406:6400:8001::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 14 permit 2406:6400:9800::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 16 permit 2406:6400:9801::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 18 permit 2406:6400:A000::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 20 permit 2406:6400:A001::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 22 permit 2406:6400:B800::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 24 permit 2406:6400:B801::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 26 permit 2406:6400:C000::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 28 permit 2406:6400:C001::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 30 permit 2406:6400:D800::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 32 permit 2406:6400:D801::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 34 permit 2406:6400:E000::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 36 permit 2406:6400:E001::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 38 permit 2406:6400:F800::/48
ipv6 prefix-list IPV6-IXP-PREFIX seq 40 permit 2406:6400:F801::/48
route-map SET-IPV6-LOCAL-PREF permit 10
match ipv6 address prefix-list IPV6-IXP-PREFIX
set local-preference 150
route-map SET-IPV6-LOCAL-PREF permit 30
exit
router bgp 17821
address-family ipv6
neighbor 2001:DB8:ABCD:8::1 route-map SET-IPV6-LOCAL-PREF in
end
wr

clear bgp ipv6 unicast * soft
```

THANK YOU!