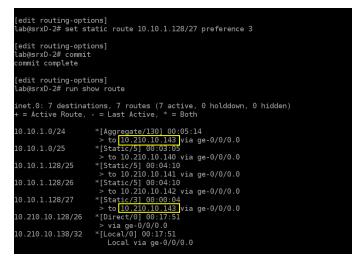
1. Contributing routes = same prefix, different subnet mask length.

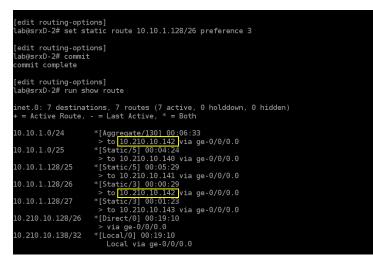
set static route 1 set static route 1	display set relative 0.10.1.128/27 next-hop 10.210.10.143 0.10.1.128/26 next-hop 10.210.10.142 0.10.1.128/25 next-hop 10.210.10.141
[edit routing-opti lab@srxD-2# run sh	
	ions, 6 routes (6 active, 0 holddown, 0 hidden) - = Last Active, * = Both
10.10.1.0/24	*[Aggregate/130] 00:01:13 > to 10.210.10.141 via ge-0/0/0.0
10.10.1.128/25	*[Static/5] 00:00:09
10.10.1.128/26	> to 10.210.10.141 via ge-0/0/0.0 *[Static/5] 00:00:09
10.10.1.128/27	> to 10.210.10.142 via ge-0/0/0.0 *[Static/5] 00:00:09
10.210.10.128/26	> to 10.210.10.143 via ge-0/0/0.0 *[Direct/0] 00:13:50
10.210.10.138/32	> via ge-0/0/0.0 *[Local/0] 00:13:50
	Local via ge-0/0/0.0

⇒ Primary contributing route = contributing route with <u>shortest</u> subnet mask

2. Added preference to one of the non-primary contributing routes.



- ⇒ Primary contributing route = contributing route with lowest preference (regardless of mask length).
- 3. Configured the same preference on a route with a shortest subnet mask



- ⇒ Primary contributing route = contributing route with shortest subnet mask out of the two routes with lowest preference.
- 4. Configured an additional next-hop for the current primary contributing route (lowest preference + shortest subnet mask)

set static route i set static route 1 set static route 1 set static route 1 set static route 1 set static route 1	display set relative 0.10.1.128/27 next-hop 10.210.10.143 0.10.1.128/27 preference 3 0.10.1.128/26 next-hop 10.210.10.142 0.10.1.128/26 next-hop 10.210.10.150 0.10.1.128/26 preference 3 0.10.1.128/25 next-hop 10.210.10.141 0.10.1.0/25 next-hop 10.210.10.140	
[edit routing-opti lab@srxD-2# 📕	ons]	
[edit routing-options] lab@srxD-2# run show route		
inet.0: 7 destinations, 7 routes (7 active, 0 holddown, 0 hidden) + = Active Route, - = Last Active, * = Both		
10.10.1.0/24	*[Aggregate/130] 00:10:57 to 10.210.10.142 via ge-0/0/0.0 > to 10.210.10.150 via ge-0/0/0.0	
10.10.1.0/25	*[<mark>Static/5] 00:08:48</mark> > to 10.210.10.140 via ge-0/0/0.0	
10.10.1.128/25	*[Static/5] 00:09:53 > to 10.210.10.141 via ge-0/0/0.0	
10.10.1.128/26	*[Static/3] 00:00:29 to 10.210.10.142 via ge-0/0/0.0 > to 10.210.10.150 via ge-0/0/0.0	
10.10.1.128/27	*[Static/3] 00:05:47 > to 10.210.10.143 via ge-0/0/0.0	
10.210.10.128/26	<pre>> [Direct/0] 00:23:34 > via ge-0/0/0.0</pre>	
10.210.10.138/32	*[Local/0] 00:23:34 Local via ge-0/0/0.0	

- ⇒ Primary contributing route = contributing route with shortest subnet mask out of the two routes with lowest preference. The aggregate inherits the <u>two next hops</u> from the primary contributing route.
- 5. Configured different metrics on the two next-hops of the current primary contributing route (lowest preference + shortest subnet mask)

set static route i set static route 1 set static route 1 set static route 1 set static route 1 set static route 1	display set relative 0.10.1.128/27 next-hop 10.210.10.143 0.10.1.128/27 preference 3 0.10.1.128/26 qualified-next-hop 10.210.10.150 metric 10 0.10.1.128/26 qualified-next-hop 10.210.10.142 metric 5 0.10.1.128/26 preference 3 0.10.1.128/25 next-hop 10.210.10.141 0.10.1.0/25 next-hop 10.210.10.140
[edit routing-opti lab@srxD-2# run sh	
	tions, 8 routes (7 active, 0 holddown, 0 hidden) - = Last Active, * = Both
10.10.1.0/24	*[Aggregate/130] 00:12:57 > to 10.210.10.142 /ia ge-0/0/0.0
10.10.1.0/25	*[Static/5] 00:10:48 > to 10.210.10.140 via ge-0/0/0.0
10.10.1.128/25	*[Static/5] 00:11:53 > to 10.210.10.141 via ge-0/0/0.0
10.10.1.128/26	*[<u>Static/3] 00:00:27</u> , metric 5 > <u>to 10.210.10.142</u> /ia ge-0/0/0.0 [Static/3] 00:00:27, metric 10 > to 10.210.10.150 via ge-0/0/0.0
10.10.1.128/27	<pre>*[Static/3] 00:07:47 > to 10.210.10.143 via ge-0/0/0.0</pre>
10.210.10.128/26	*[Direct/0] 00:25:34 > via ge-0/0/0.0
10.210.10.138/32	*[Local/0] 00:25:34 Local via ge-0/0/0.0

⇒ Primary contributing route = contributing route with shortest subnet mask out of the two routes with lowest preference. The aggregate inherits the next hop with the <u>lowest metric</u>.