~S.LATISHA ~ CSAD+35 ~ SIMATS -Thandalam ~ Brech Al. Ds.

Scenario: BGP us used to connect alterent suggeons.

Parameters: -> BGP filters
-> Poufix control
-> Route puopogation.

1. If 20 prufèxes au advertised and 10 accepted, how many au filtered?

Ans: Advertised perfixus = 20, montes sent by BGP to neighbor.

Accepted perfixus = 10, montes that neighbor accept

and install in its monting table

filtered prefixes = 20-10 = 10 filtered prufixes.

Example: Region A advertised 20 peufines to sugion B.

Region B has filter albeving only to purfines

Result: 10 prufines are anepted and to fothered out

2. What is the impact on scoute table size if scoute Summarilization is enabled?

Ans: When swith summarization is enabled the stout table size clevieurs significantly.

* without Summarization, each subnet is advertised individually.

* with summarization, multiple subnets are combained is a single larger purply.

This suduces Bap trible stre, impuries convergence speed and may held more specific swiders.

Example:

Before Summarization:

192.168.10.0724, 192.168.20.0714, 192.168-30.0/2

After Summartzation:

192-168-0-0/22 (ever all subnets) -> 1 entry

3. How does MED affect path declifor selection between two same -length AS-PATHS ?

As-PATH lengths are equal.

- * Default BGP path schelten order.
 - 1. Highert weight (cisco)
 - 2. Highest toget local periforence
 - 3. Shoutest AS-PATH
 - 4 Lowest MED (used if AS-PATH is the Same).
- · MED is the hint to external neighbors about perferred entry points.