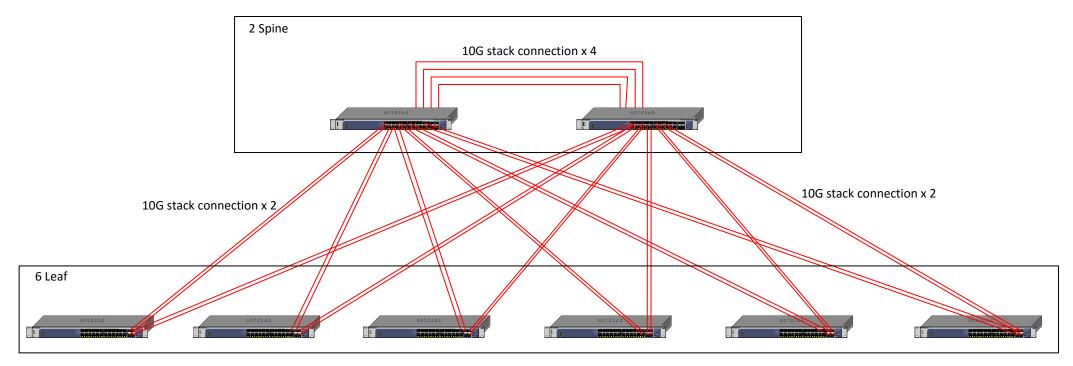
M4300 Spine and Leaf Topology Switching Capacity Calculation



Spine capacity = total stack link throughput on each unit x number of spine unit Leaf capacity = total stack link throughput on each unit x number of leaf unit

In the above example:

- 2 spine, interconnected together with 4 x 10G
- 6 leaf, connected to each spine with 2 x 10G (total 4 x 10G on each leaf connect to 2 spine)

Total Spine capacity:

Spine interconnected stack link throughput = $4 \times 10G \times 2$ (full duplex) $\times 2$ (no. of spine) = 160GSpine connected to 6 leaf stack link throughput = $2 \times 10G \times 2$ (full duplex) $\times 6$ (no. of leaf) $\times 2$ (no. of spine) = 480GTotal Spine capacity = 160G + 480G = 640G

Total Leaf capacity:

Leaf connected to 2 spine stack link throughput = $4 \times 10G \times 2$ (full duplex) $\times 6$ (no. of leaf) = 480GTotal Leaf capacity = 480G

In this 2 x spine 6 x leaf topology, total switching capacity = 640G + 480G = 1120G