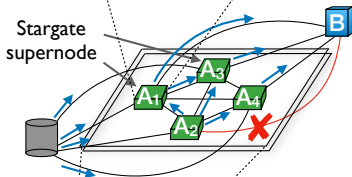
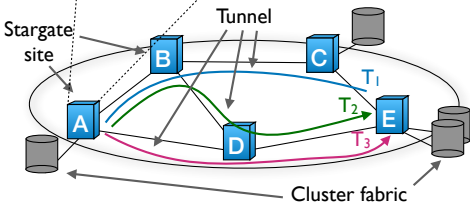


SSG: Switch-level routing (old)
Two-stage load balancing over backend switches;
use shortest path routing with capacity-based weighted cost multipathing (WCMP)



TSG: Supernode-level TE (**new**)
No encapsulation;
use progressive waterfill to manage capacity asymmetry via sidelinks;
loop-free and blackhole-free route update across supernodes



TG: Site-level TE (old)
IP-in-IP encapsulation;
heuristic to split per service class traffic across site-level tunnels for high utilization and fairness