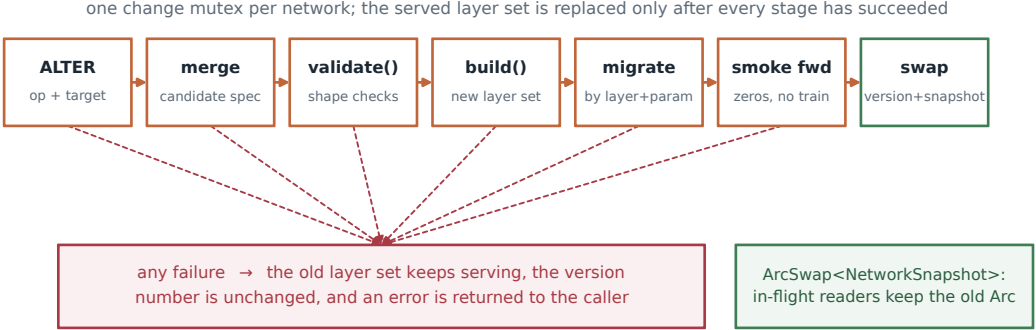

one change mutex per network; the served layer set is replaced only after every stage has succeeded
ALTER
op + target
merge
candidate spec
validate()
shape checks
build()
new layer set
migrate
by layer+param
smoke fwd
zeros, no train
swap
version+snapshot
any failure → the old layer set keeps serving, the version number is unchanged, and an error is returned to the caller
ArcSwap<NetworkSnapshot>: in-flight readers keep the old Arc