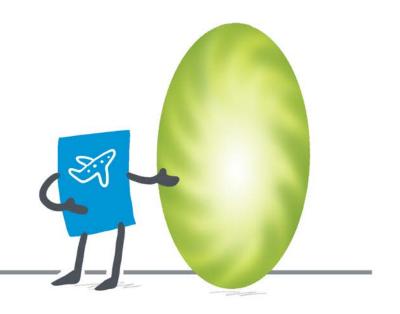
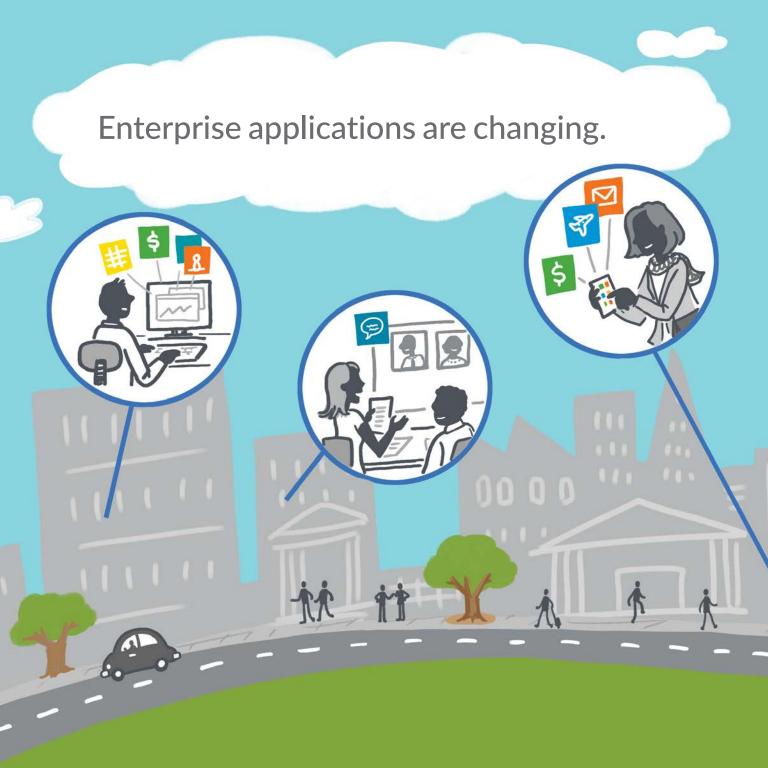




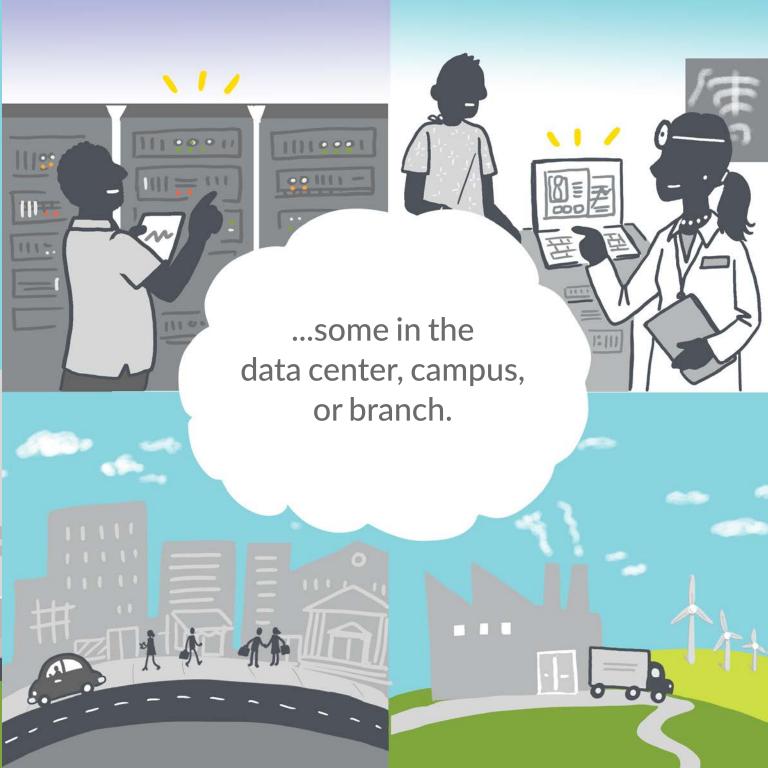
SIMPLIFIED: WHY EVPN-VXLAN?









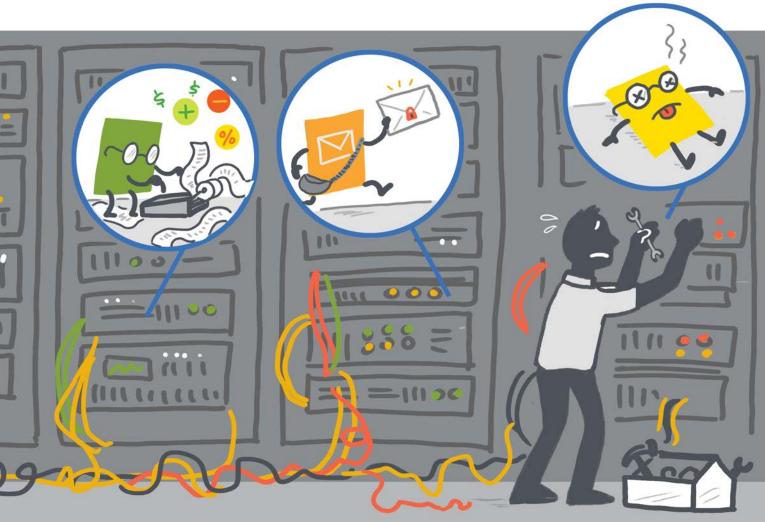


It's tempting to declare that change is everywhere, but that's just not true....



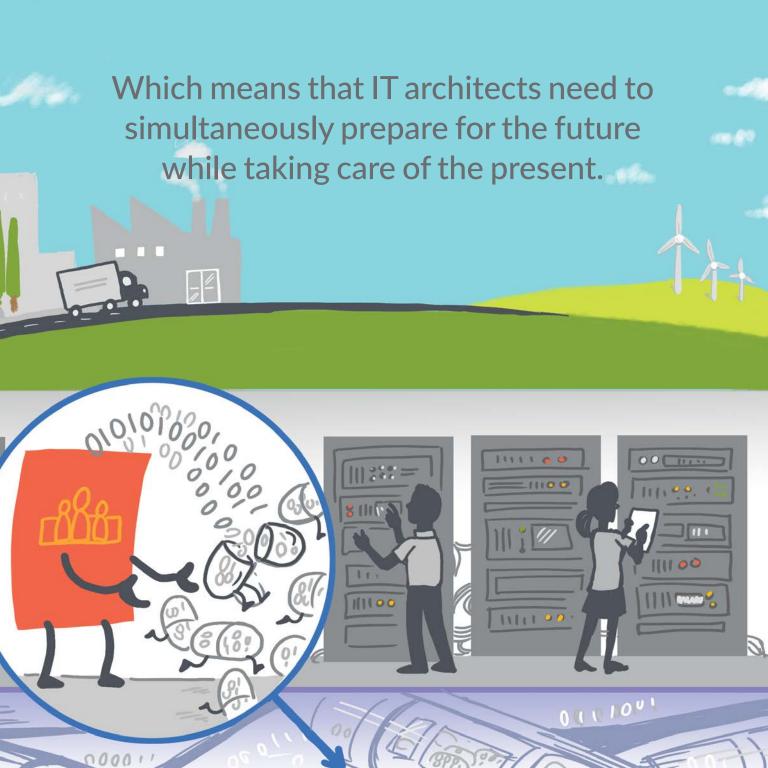


...for every new application, there are dozens of older applications that aren't modular and likely run on bare metal.

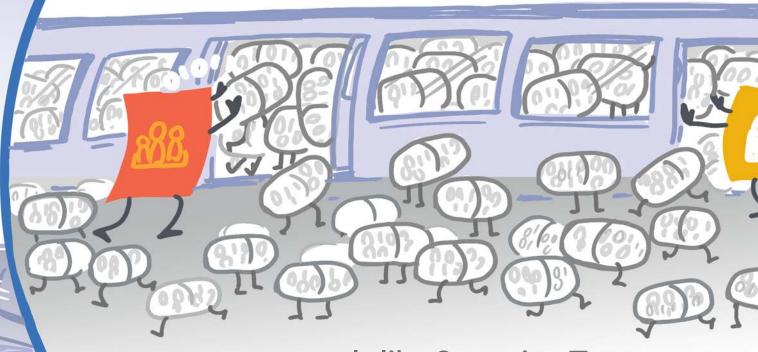




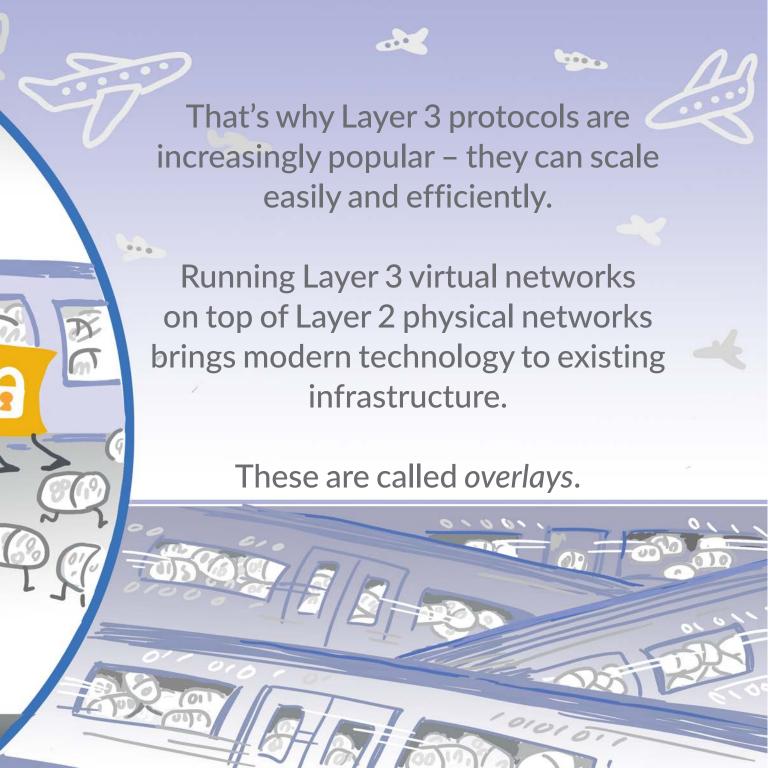




In the past, applications were designed to live in the same Layer 2 domain, which has its problems...



...protocols like Spanning Tree are fragile and noisy.

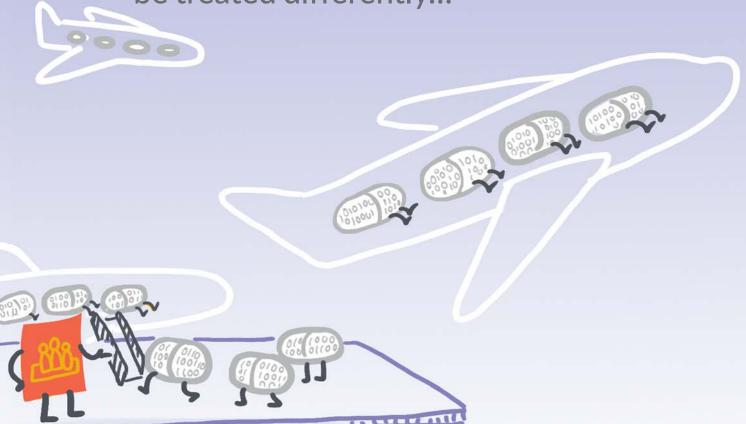






Overlays offer layers of abstraction on top of physical networks...

...so users and applications can be treated differently...

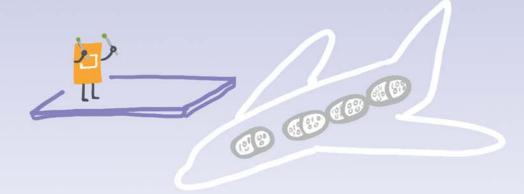






...tailoring experience, or security, or connectivity to individual needs.





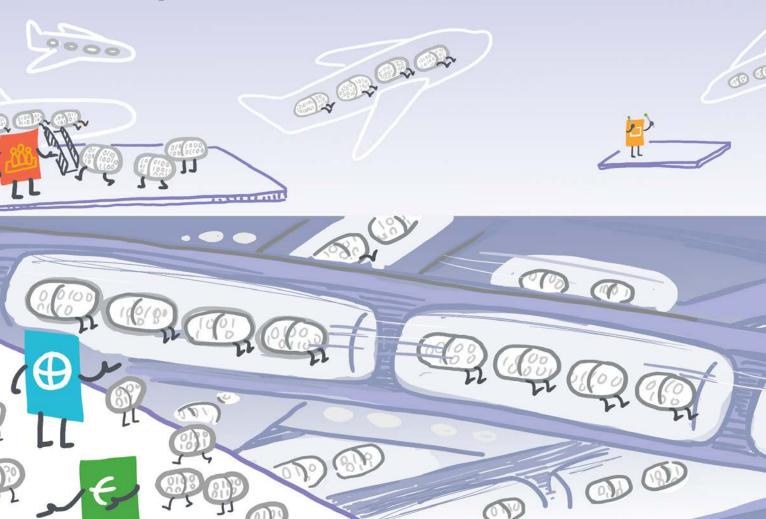
Overlays allow newer applications to run over older infrastructure, solving for both yesterday and tomorrow.

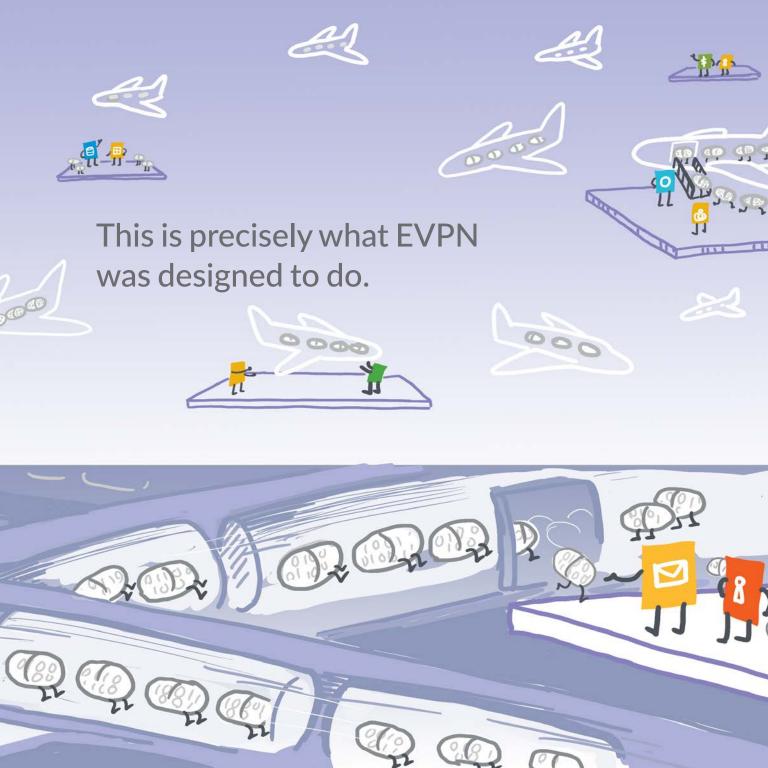






While older apps still require Layer 2 connectivity, virtualization provides these apps with their own virtual networks, using *tunnels* to connect them.



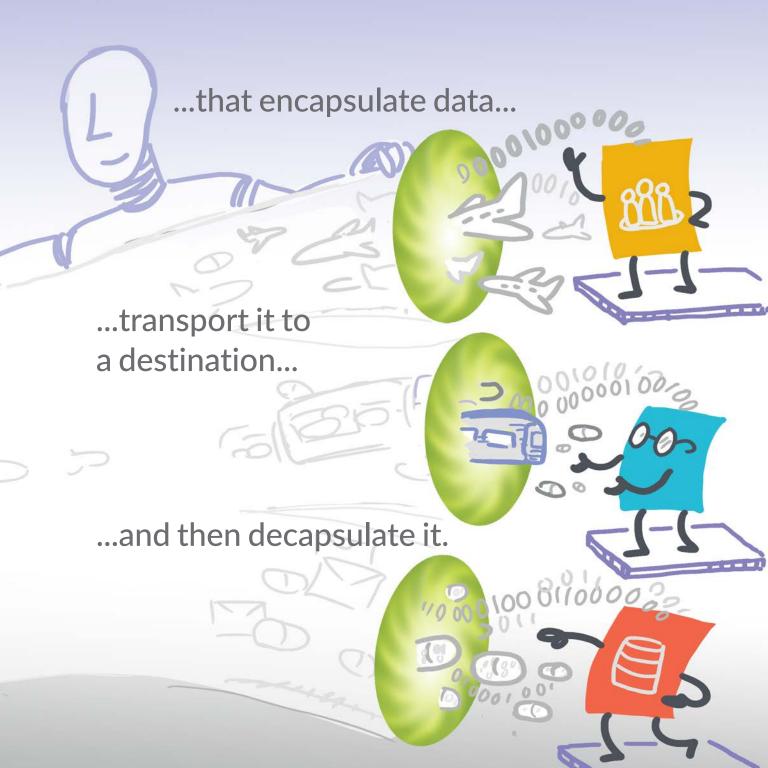


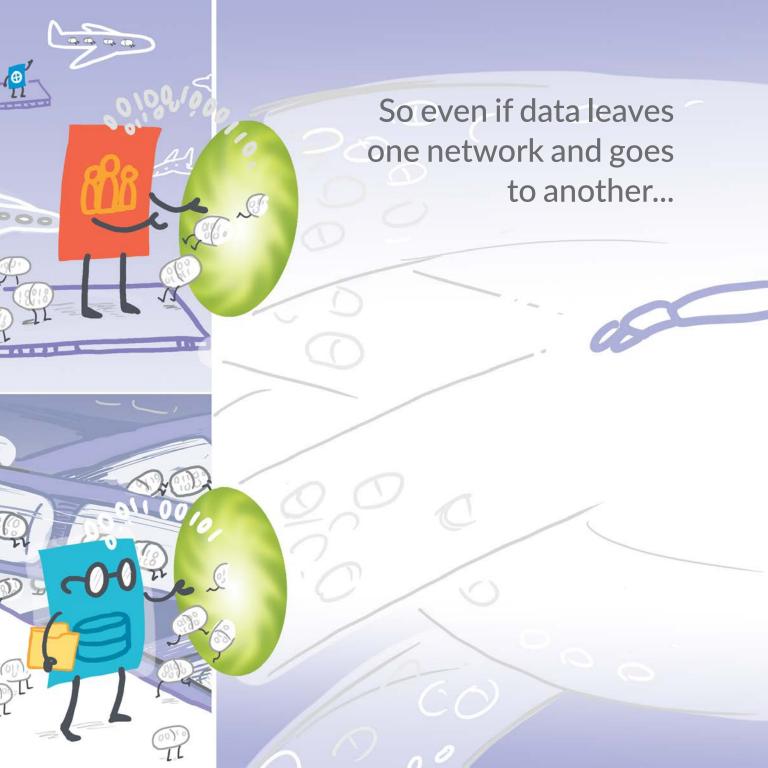


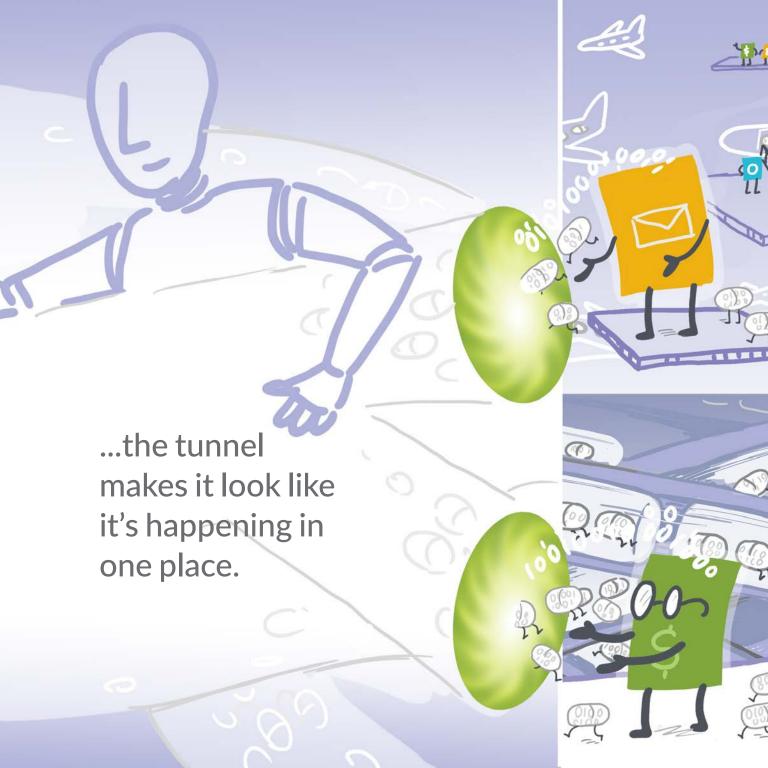


Because EVPN works with Layer 2 protocols like VXLAN (a more scalable way to segment the network) you can create virtual tunnels...



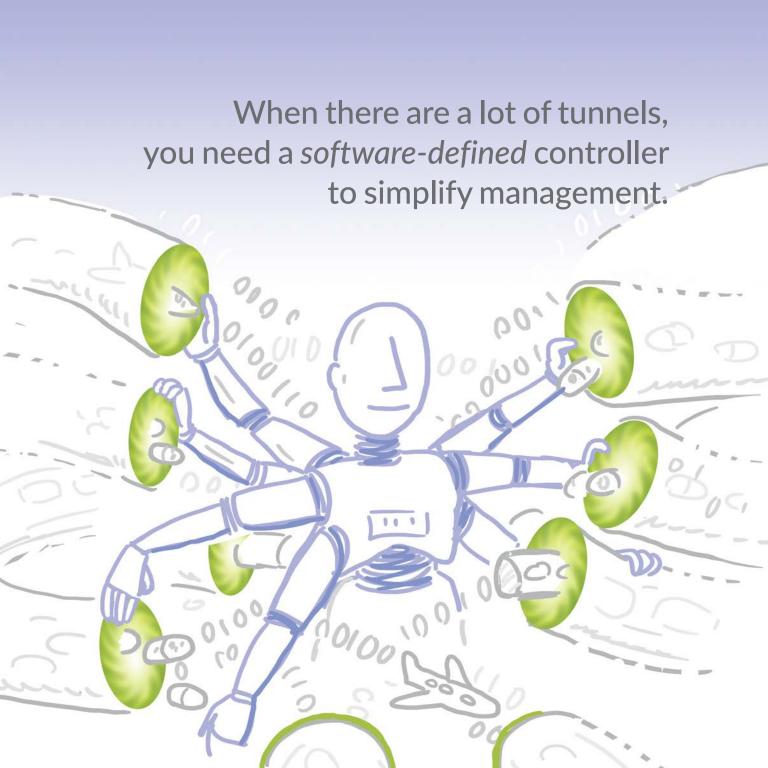




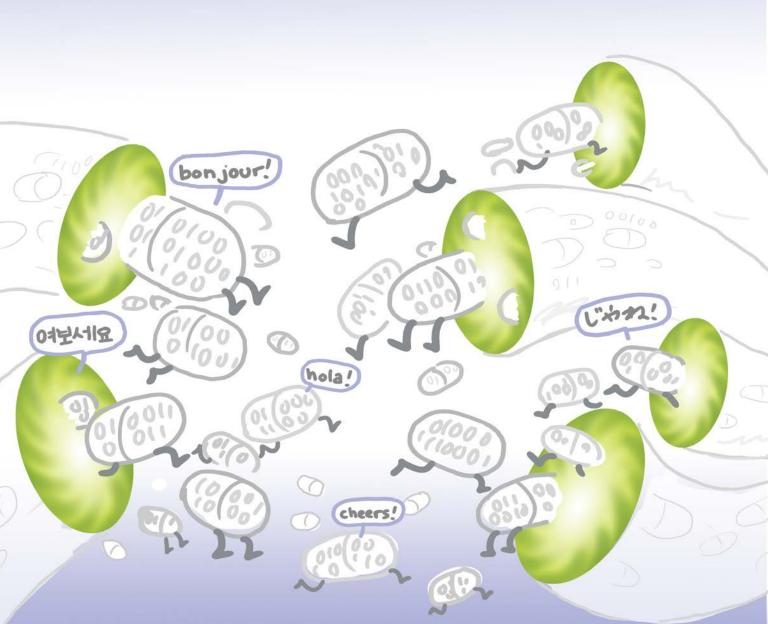


Operators can set the policy at these tunnel endpoints. When there are just a few tunnels, it can be done manually – sometimes called *controller-less overlays*.

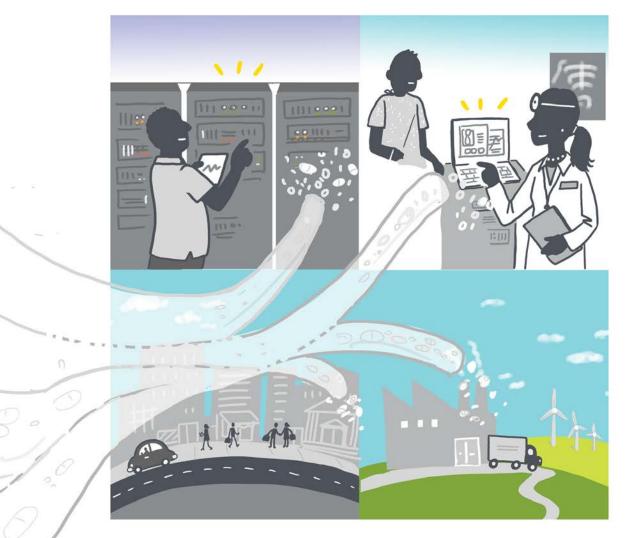




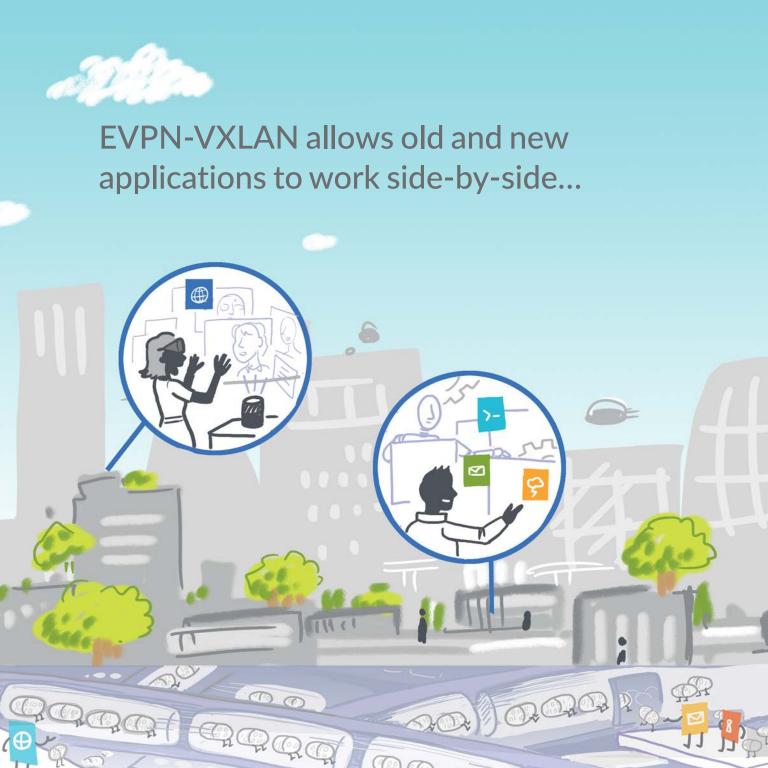
EVPN also acts as an open standard that works between multiple vendors.



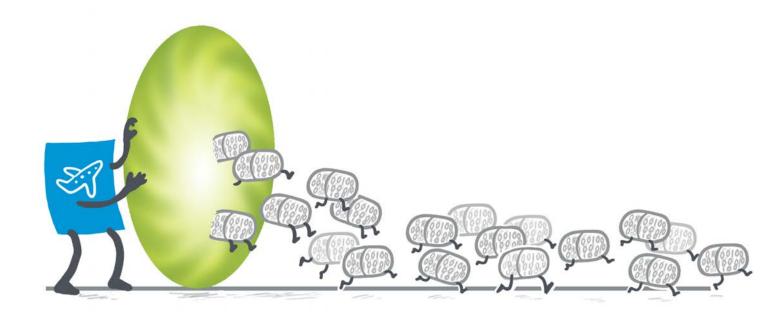
That's why EVPN has emerged as a standard for traffic between domains...



...bridging the campus, branch, cloud, and data center.

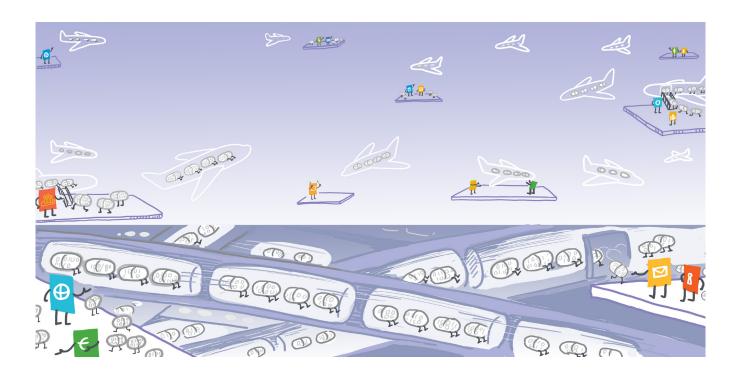






SIMPLIFIED: WHY EVPN/VXLAN?

https://www.juniper.net/us/en/dm/evpn/



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