

# FUTURIOM

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## New Models for WAN and Service Provisioning

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## Cloud Application Networking Challenges



Bandwidth needs rising –  
but budgets flat to down



Rising security concerns



Demand for secure and reliable  
connections to cloud applications



Reliable global Internet  
connectivity a challenge



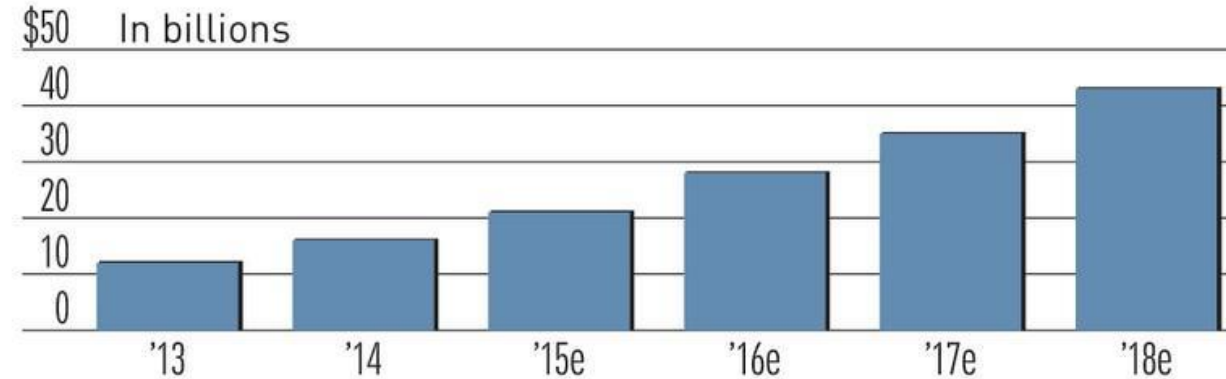
Challenges managing  
multi-cloud networks



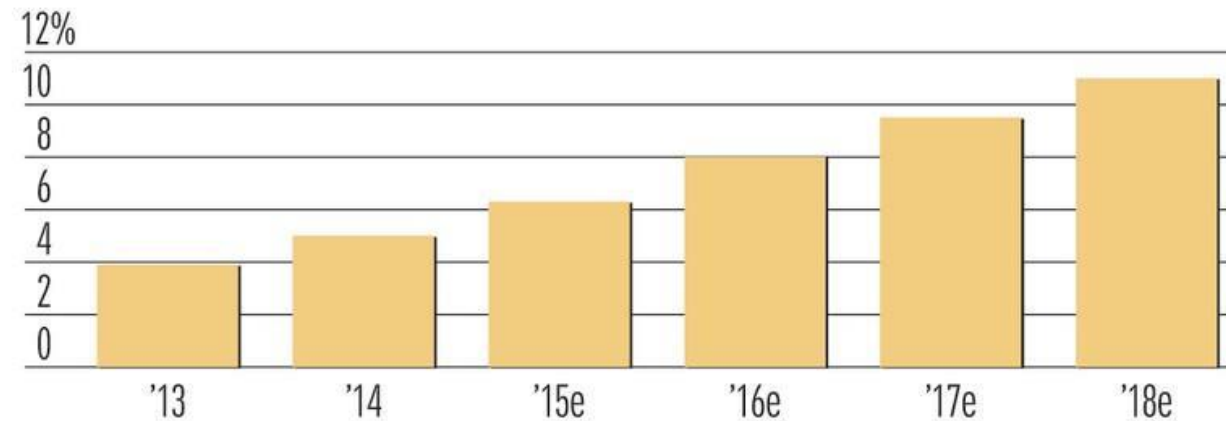
Application performance  
challenges

## Cloud Disrupting Traditional IT

### Cloud computing infrastructure and platform market



### As a % of total enterprise IT spending



Source: Goldman Sachs (goldmansachs.com)

## Cloud Impact on WAN

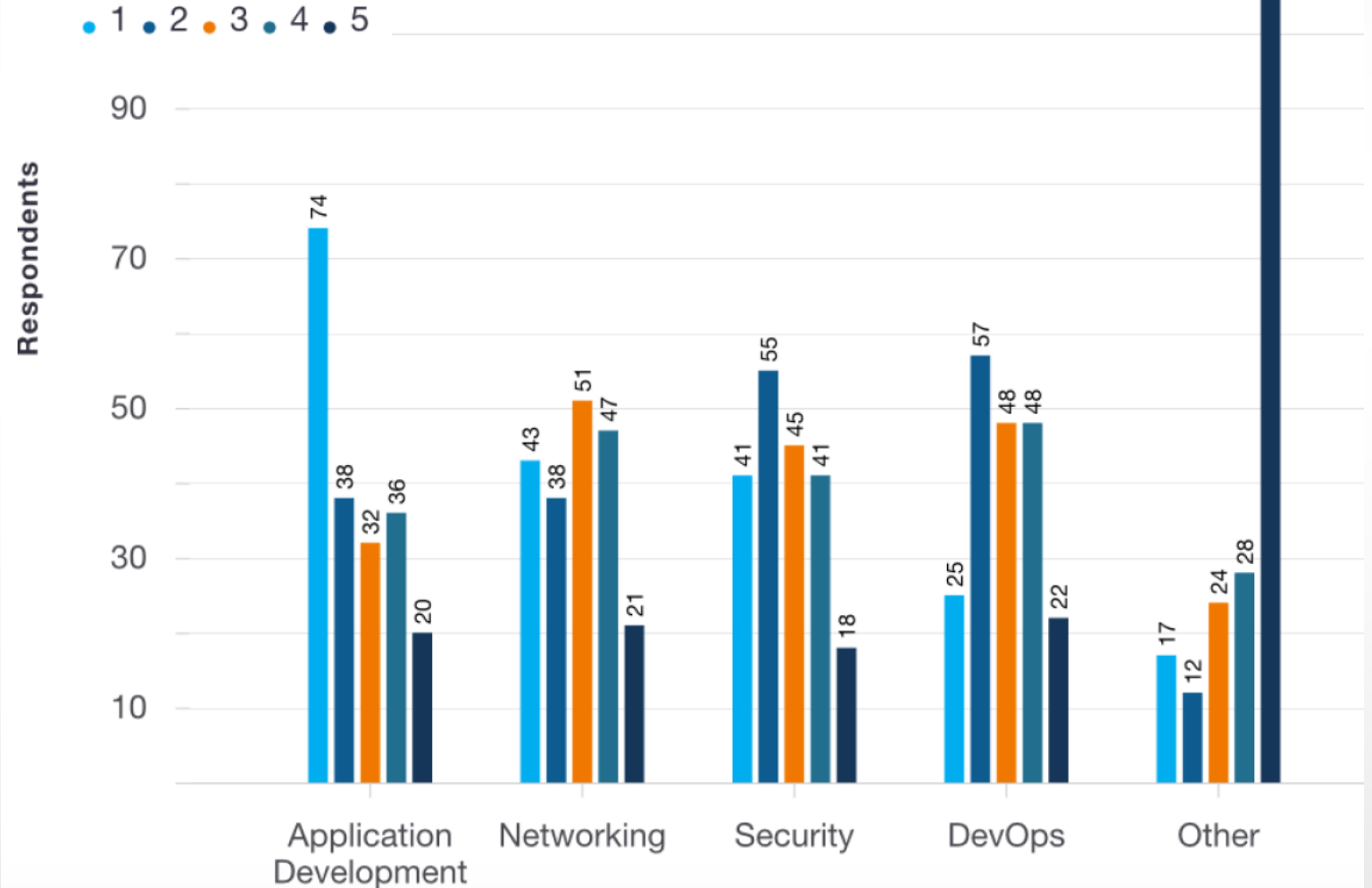
- More traffic going to the cloud
- Increased demand via broadband (remote branches and workers)
- Corporate WAN becomes a bottleneck
- Paying double for backhaul to corporate data center
- Traditional WAN doesn't have fast/automated provisioning
- Exponential increase in devices (IoT, connected car, e.t.c.)

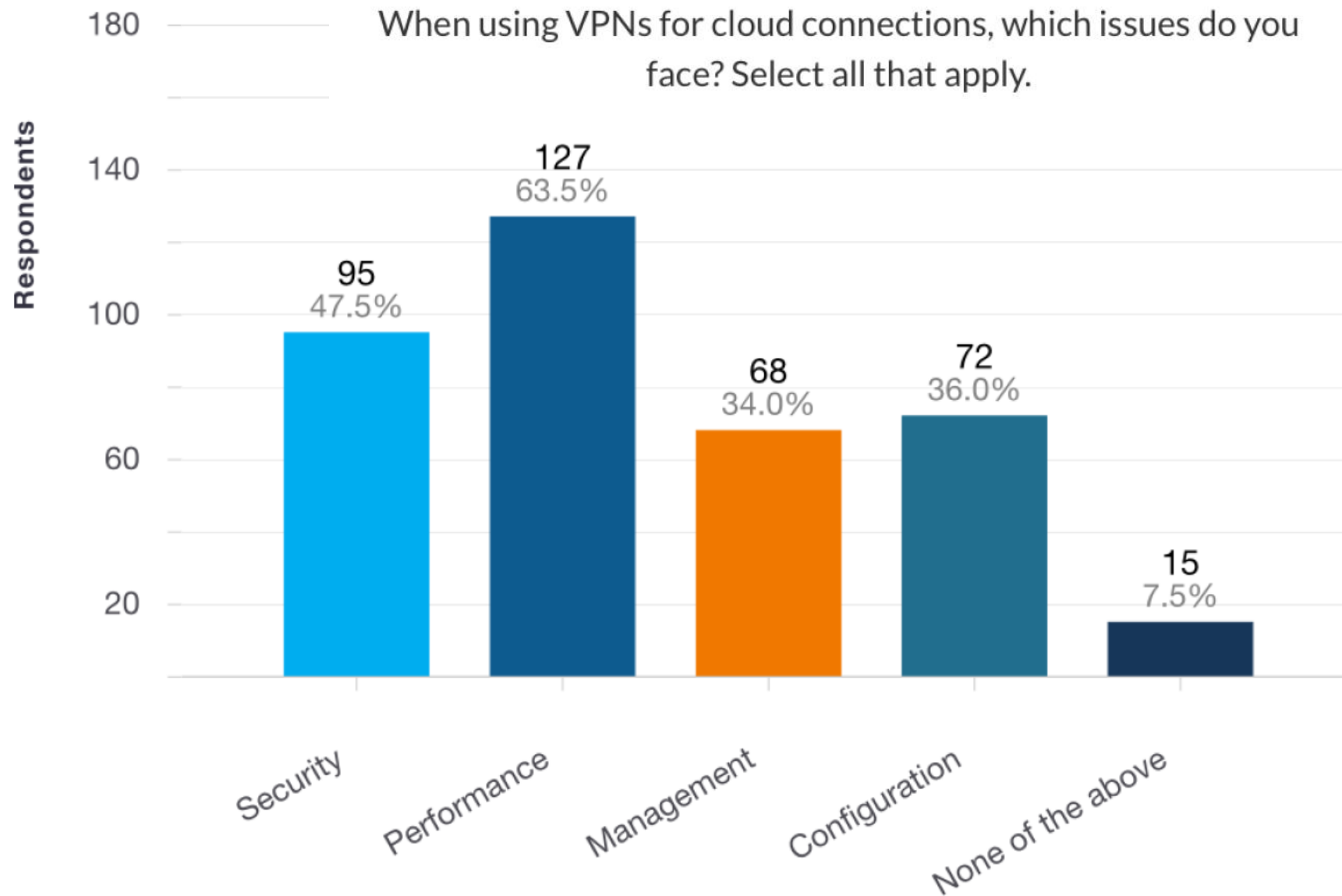
## New Challenges Created

- How do you make multi-cloud transparent to the end users?
- How do you build a virtual, secure network that can adapt to multi-cloud?
- How do you insure the performance of this new “Virtual WAN” for users and applications?
- How can you instantly provision and automate configuration of new WAN services?

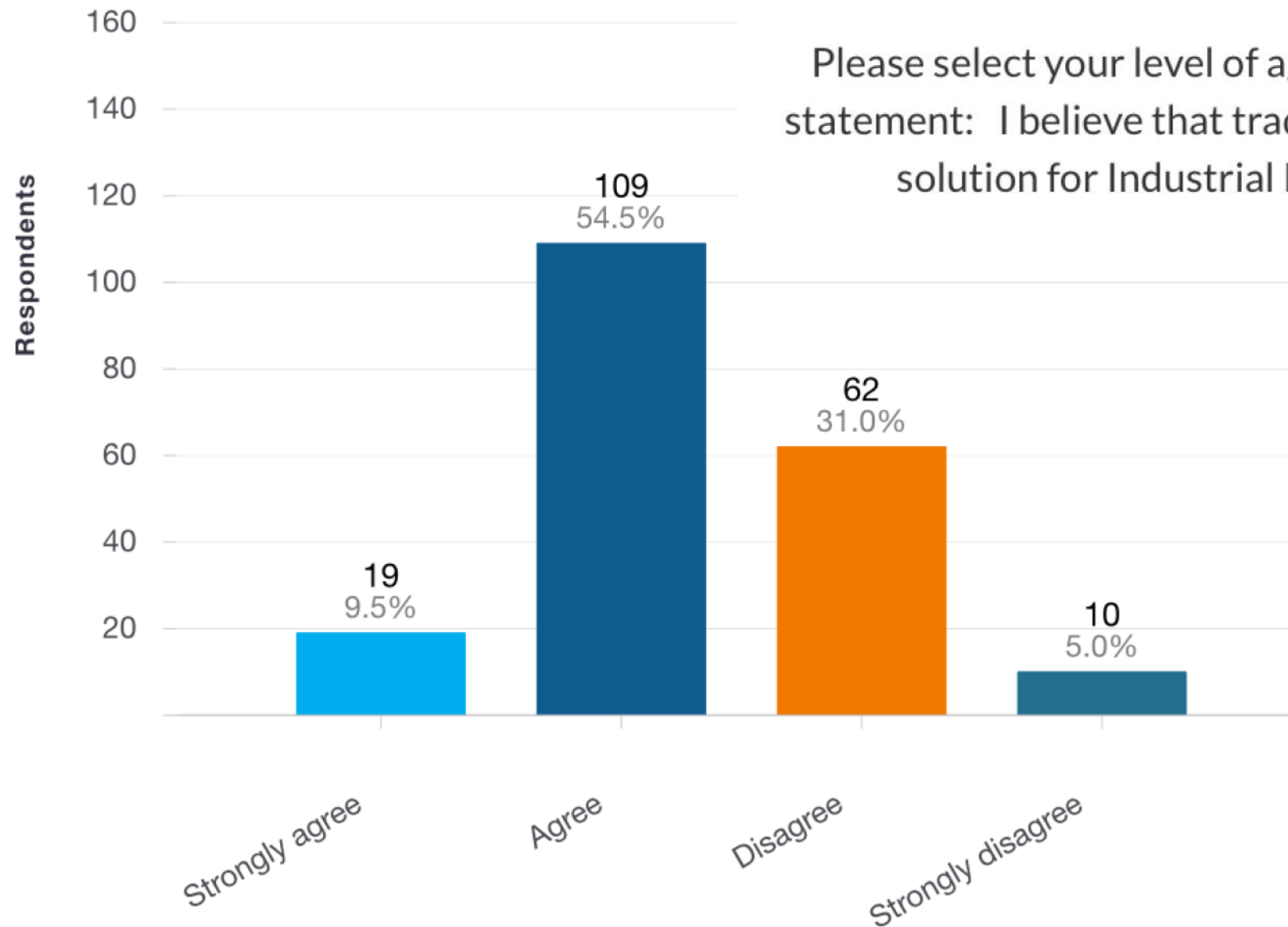
- 200 survey respondents
- All managers or above.
- Role distribution across IT
- US Only
- Roles ranked 1-5; 1=most time

Please rank your current job responsibilities in the IT industry of where most of your time is spent vs. the least:



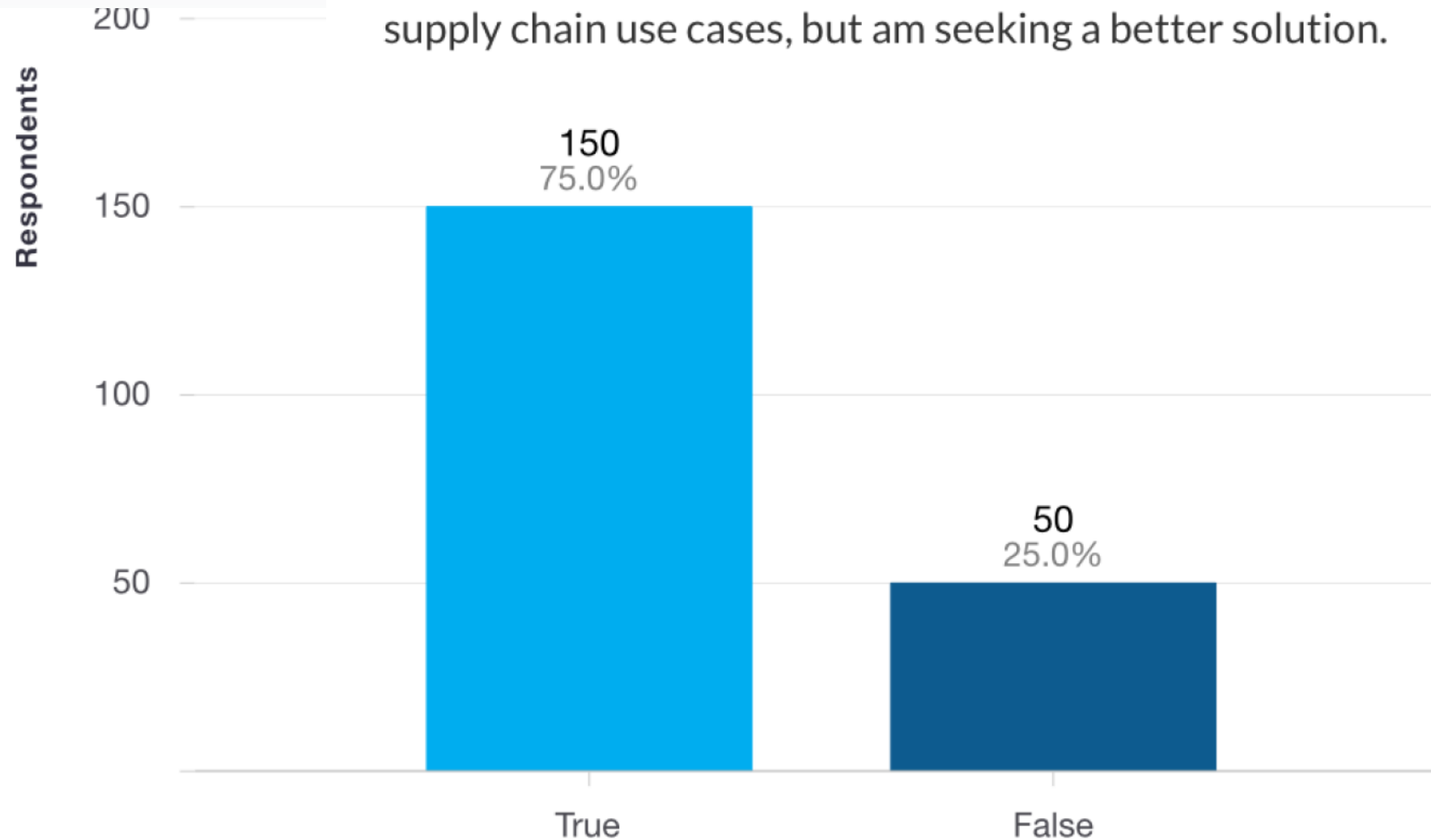


Please select your level of agreement with the following statement: I believe that traditional VPNs are not the best solution for Industrial IoT device connectivity.

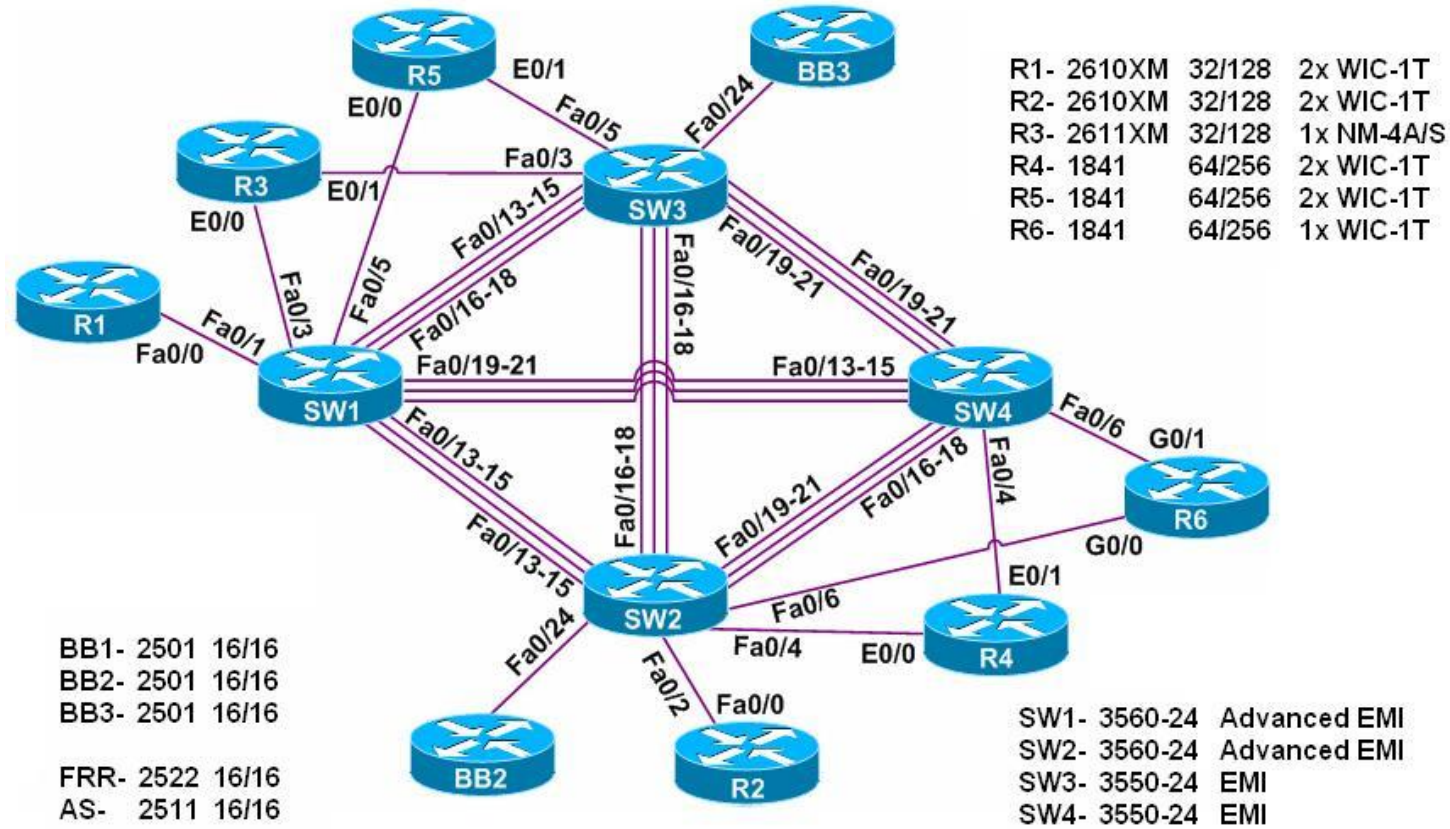




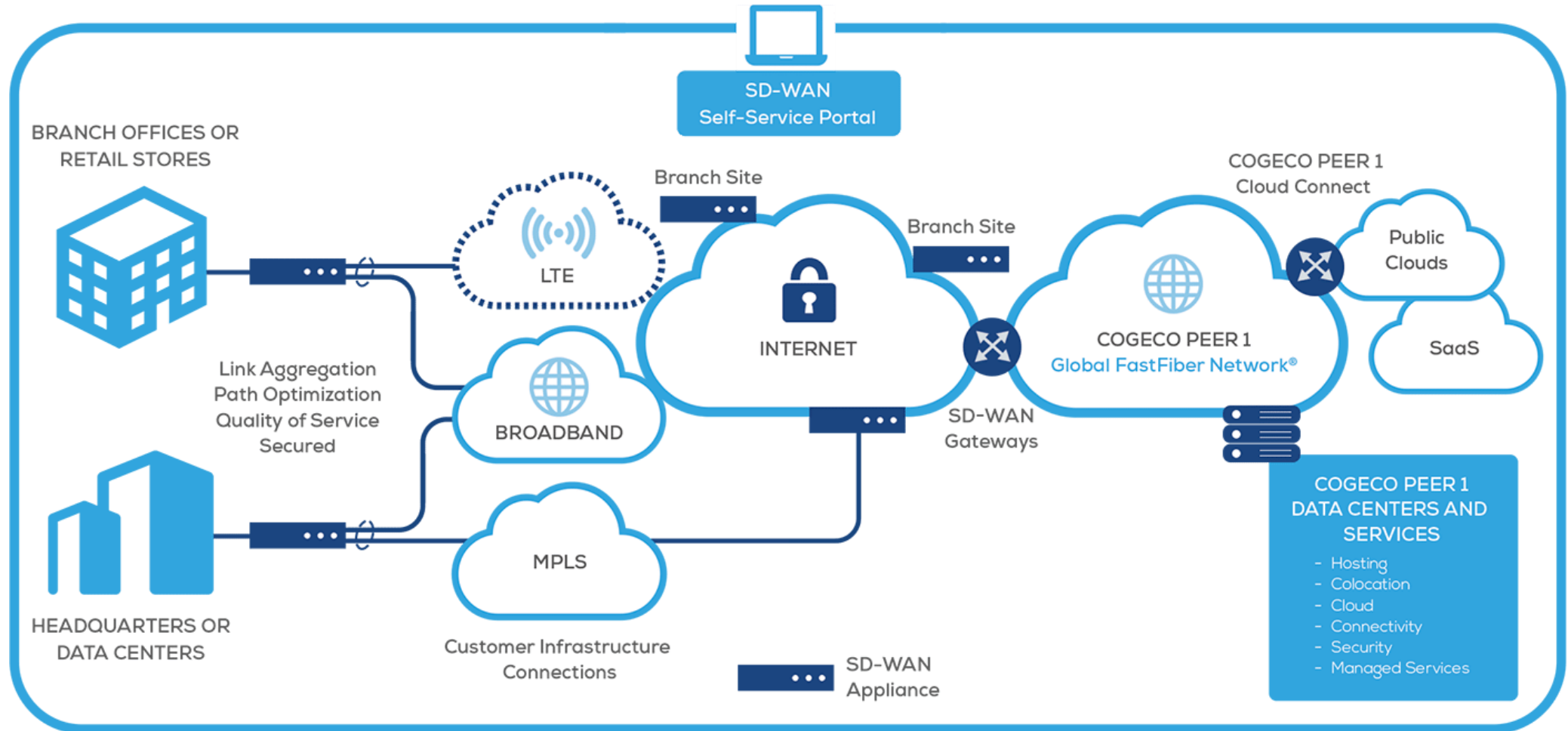
True or false: I use VPNs for extranets, B2B or connected supply chain use cases, but am seeking a better solution.



## Look Like Fun?

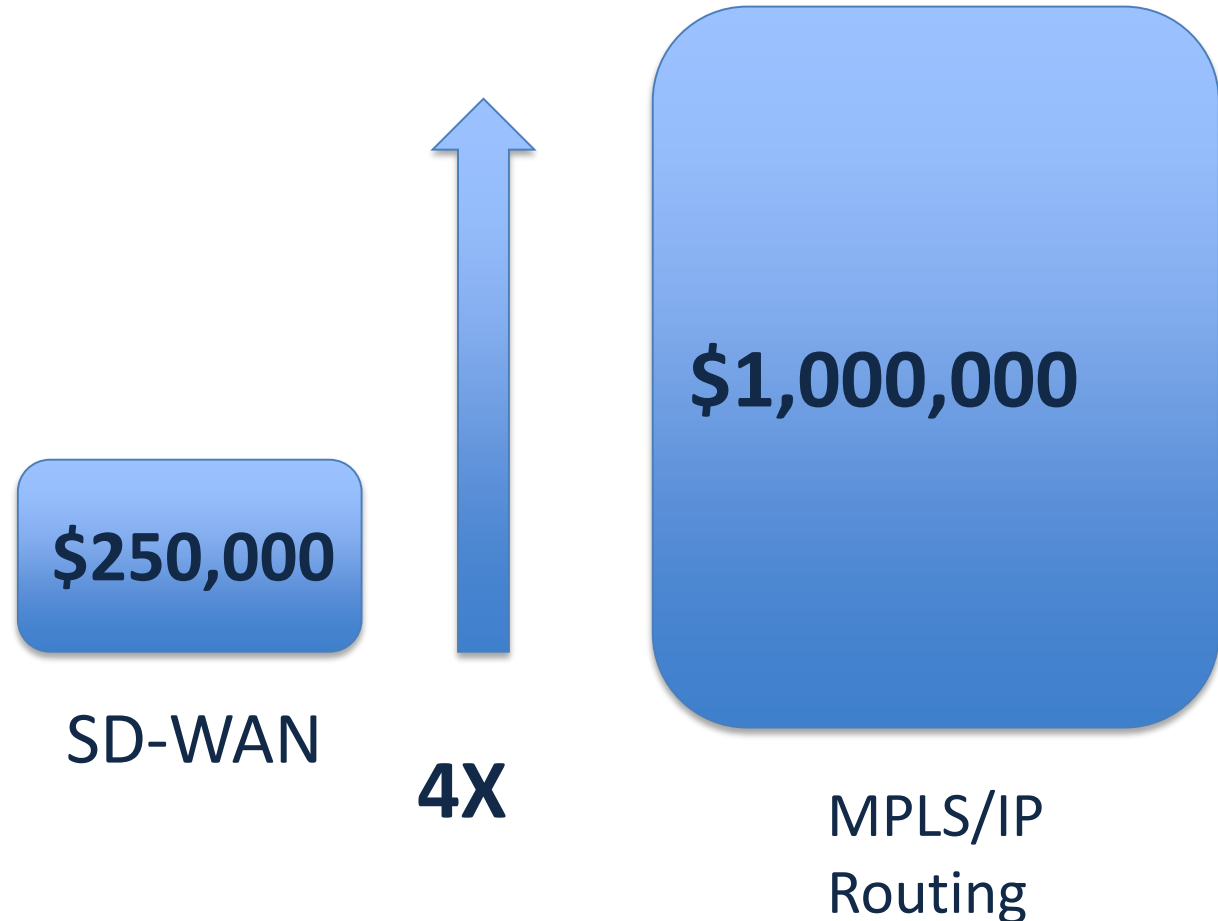


# SD-WAN Architecture Example



## Benefits of SD-WANs

- Leverage broadband Internet
- Enable automated provisioning
- Improve app performance
- Native security
- Reduce opex
- Reduce capex



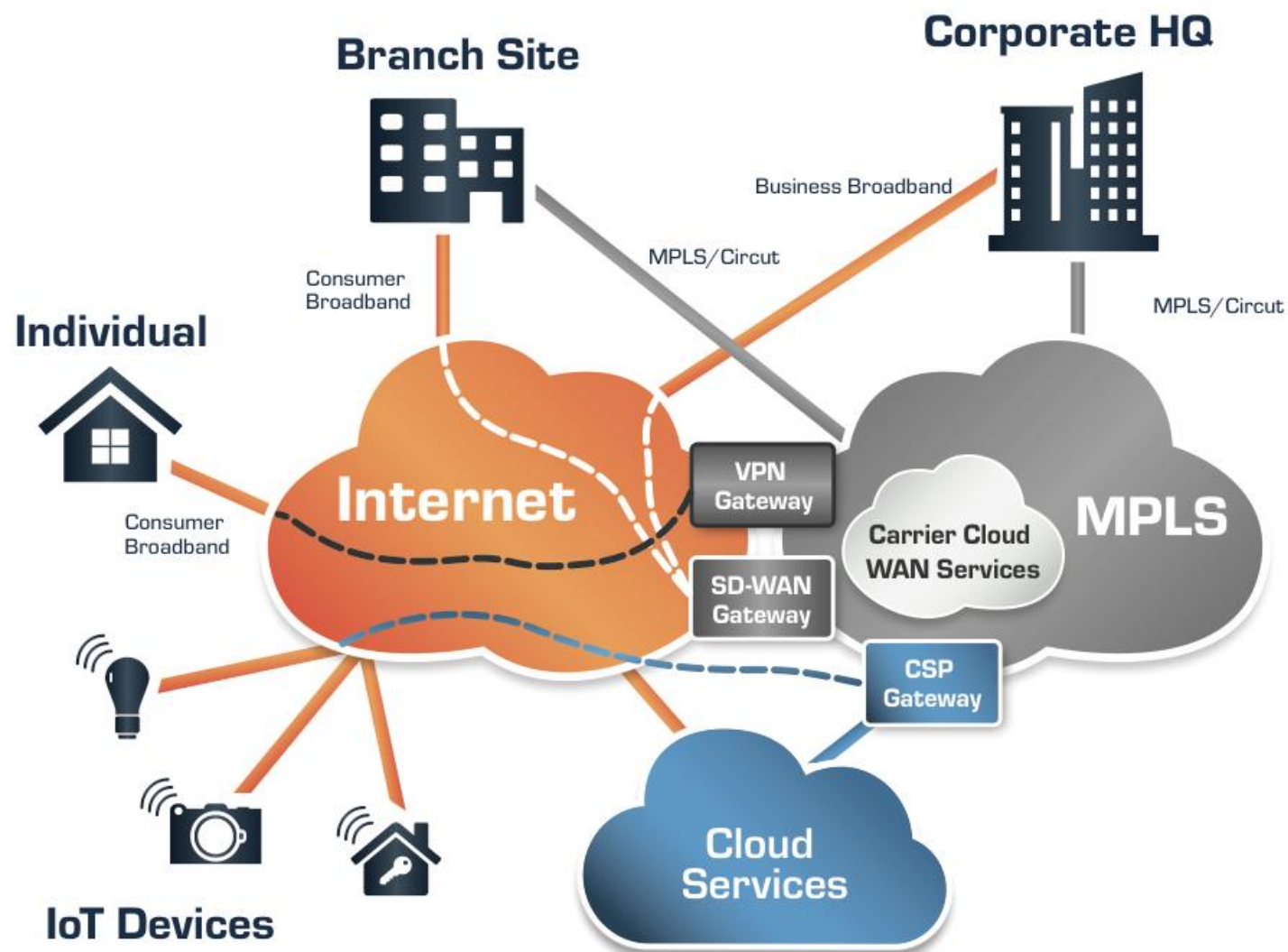
Source: Gartner Inc.

## Benefits of AppWANs

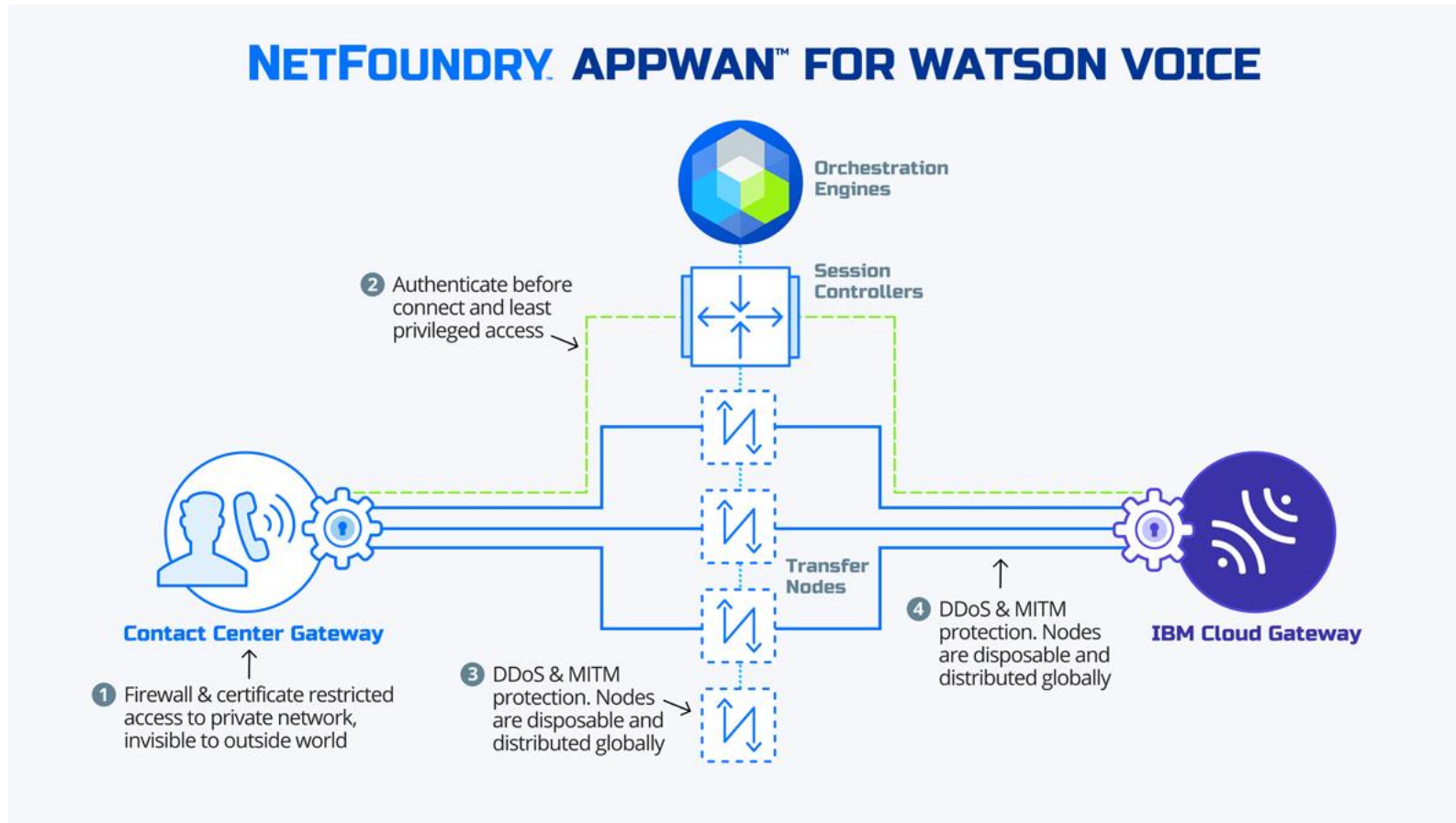
- Cloud-native software overlay (no hardware)
- Follows the applications, not the devices.
- Easy to set up and tear down.
- Targeted at DevOps and software engineers rather than networking infrastructure
- Native security
- Transparent to the end user



## Networking Through the Cloud

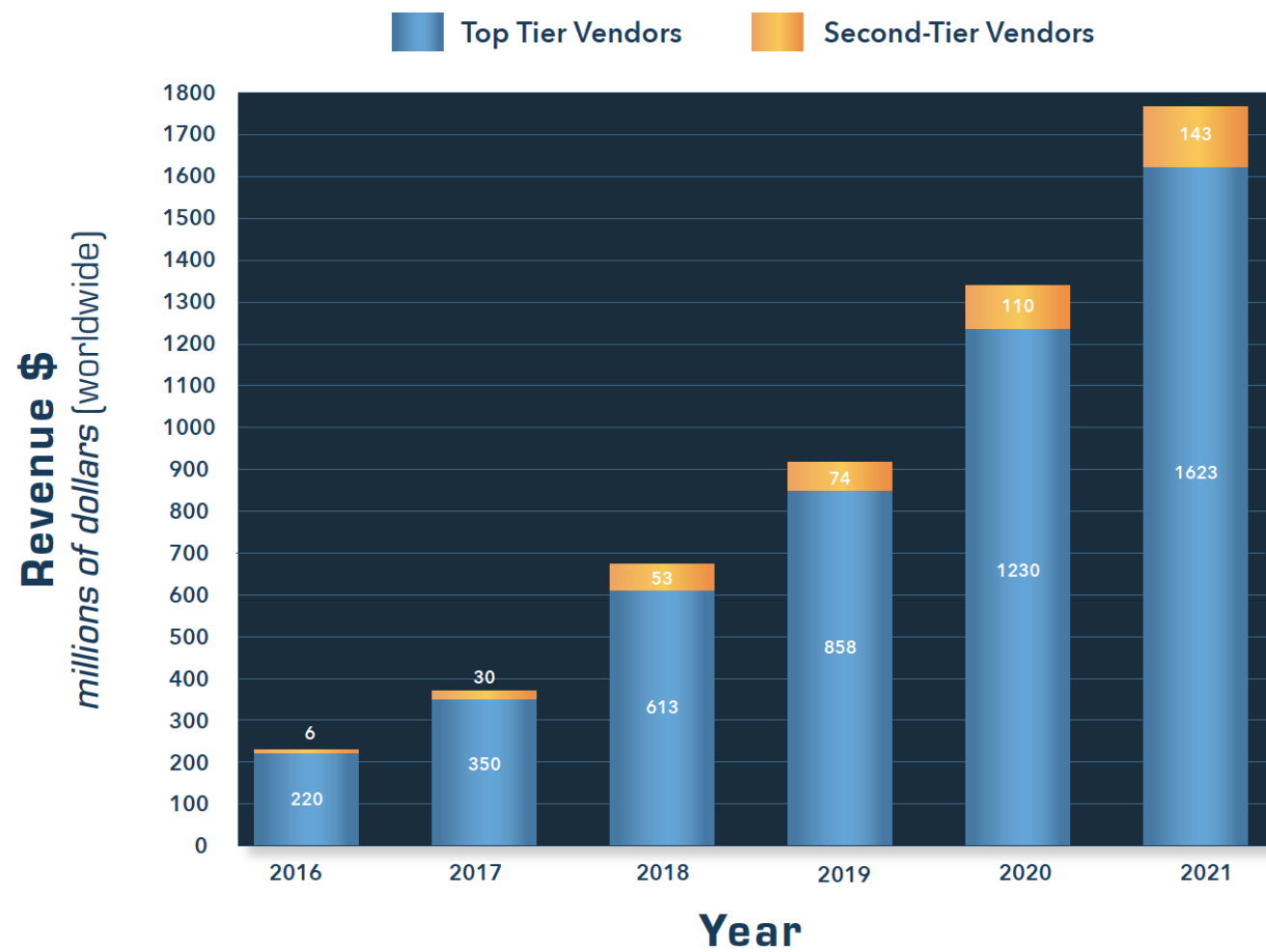


# AppWAN Example





SD-WAN Market Growth



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