# SD-WAN Use Cases That Matter &
# The Underlying Technology

# SD-WAN Use Cases

Increase
Uptime

Cost Saving

Cloud
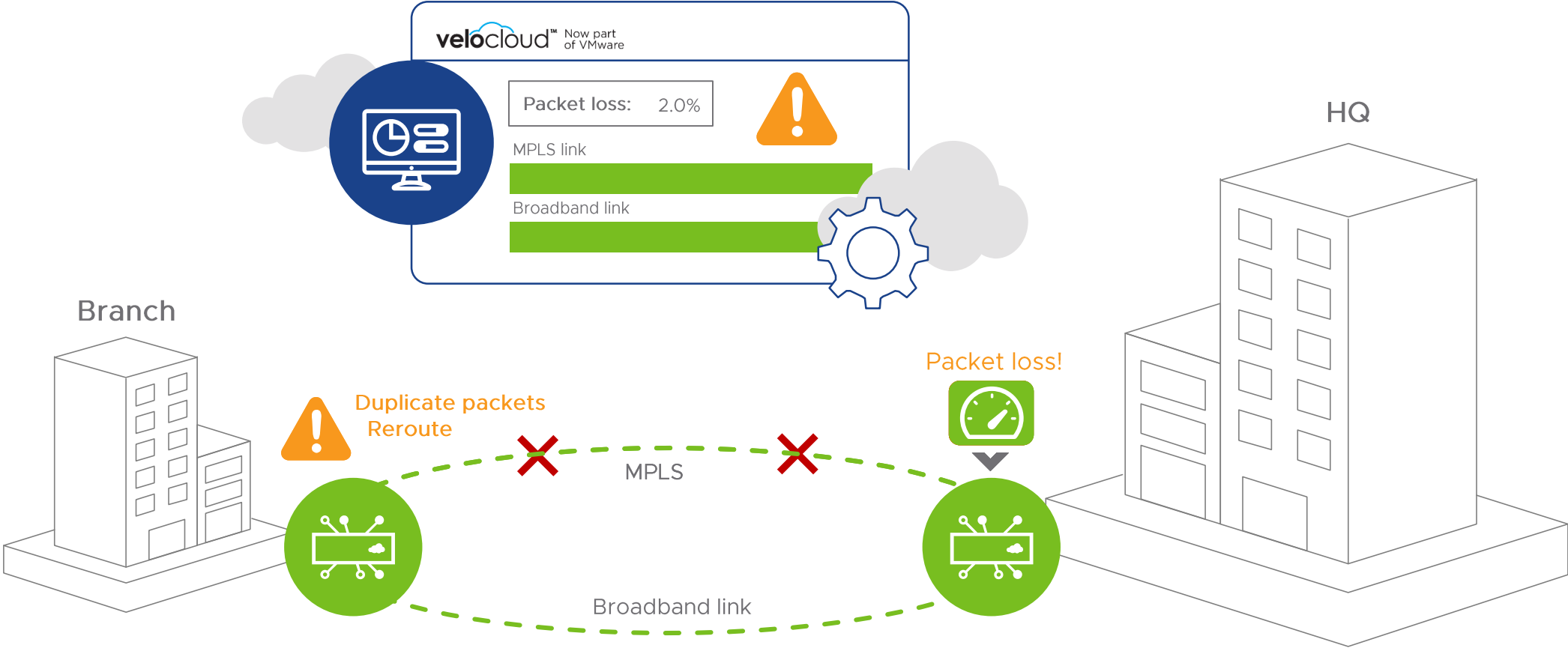adoption

# Use Case: Uptime

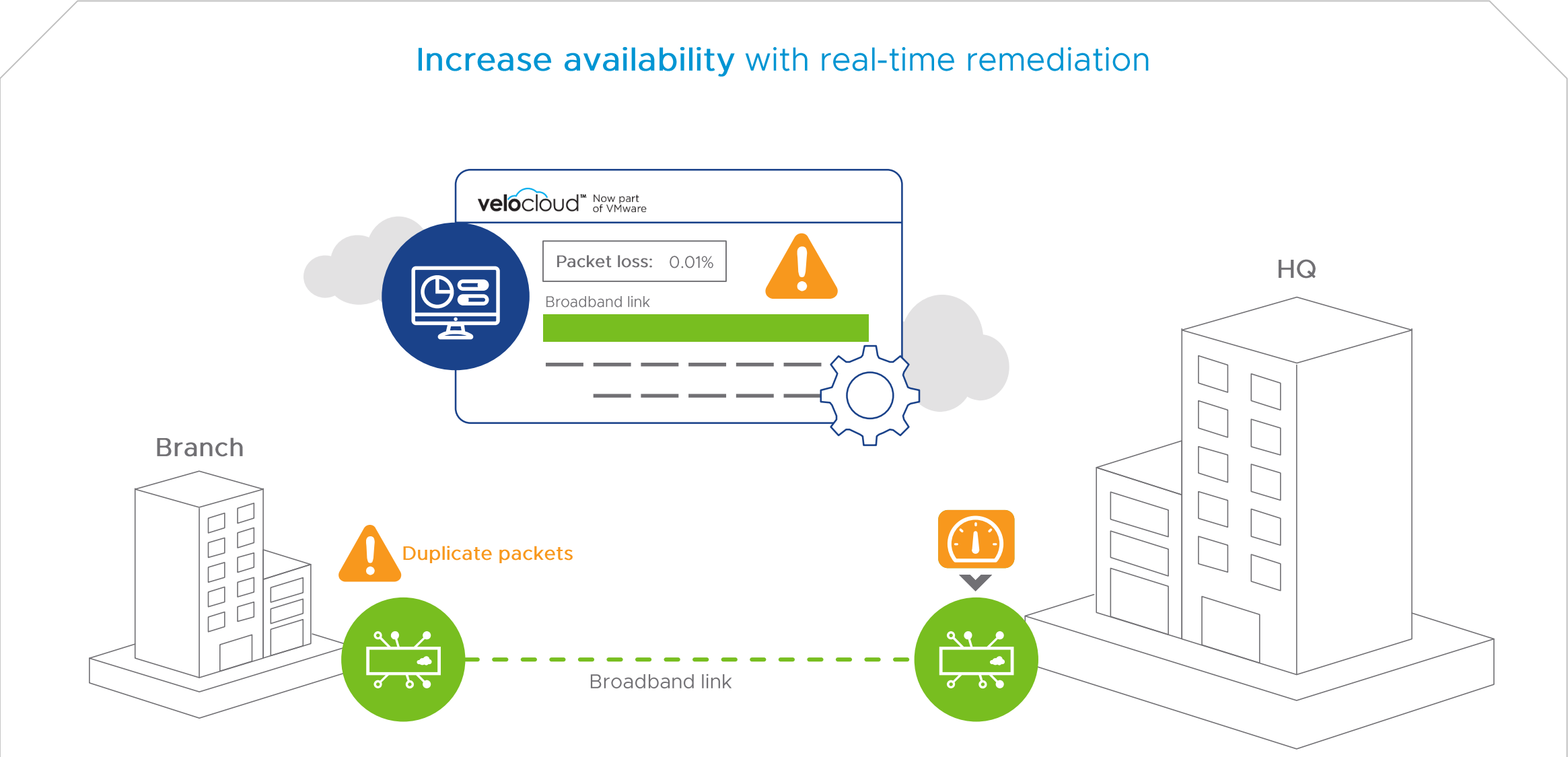# Dynamically route and replicate data

**Increase availability** and **reduce latency** with real-time remediation and steering

velocloud™ Now part of VMware

Packet loss: 2.0%

MPLS link

Broadband link

HQ

Branch

Duplicate packets
Reroute

Packet loss!

MPLS

Broadband link

Multiple links

# Dynamically route and replicate data



## Increase availability with real-time remediation

velocloud™ Now part of VMware

Packet loss: 0.01%

Broadband link

HQ

Branch

Duplicate packets

Broadband link

# Use Case: Cost Saving

# VMware SD-WAN Edge

## Expand your network to new sites and branches in minutes

Deployment flexibility

### Rich Feature Set

Zero-touch provisioning

Secure optimized connectivity to private, public, and hybrid apps

End-to-End QoS

Services platform for VNF

Deep application recognition

Dynamic packet steering

Flexible options allow you to replace, coexist, or keep your legacy equipment

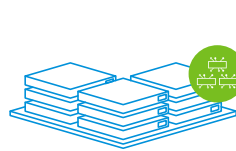Purpose-built          Virtual          Cluster
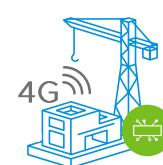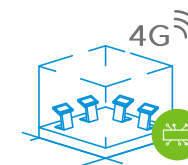
Zero-touch provisioning across your WAN

Branches     Data centers     Construction sites     Kiosks     Retail stores
4G     4G

Seamless services platform for virtual network functions (VNF)

Branch                                                    HQ

Automate VPN tunneling!

vmware®

# VMware SD-WAN Orchestrator

A multi-tenant, single pane of glass for your entire SD-WAN solution
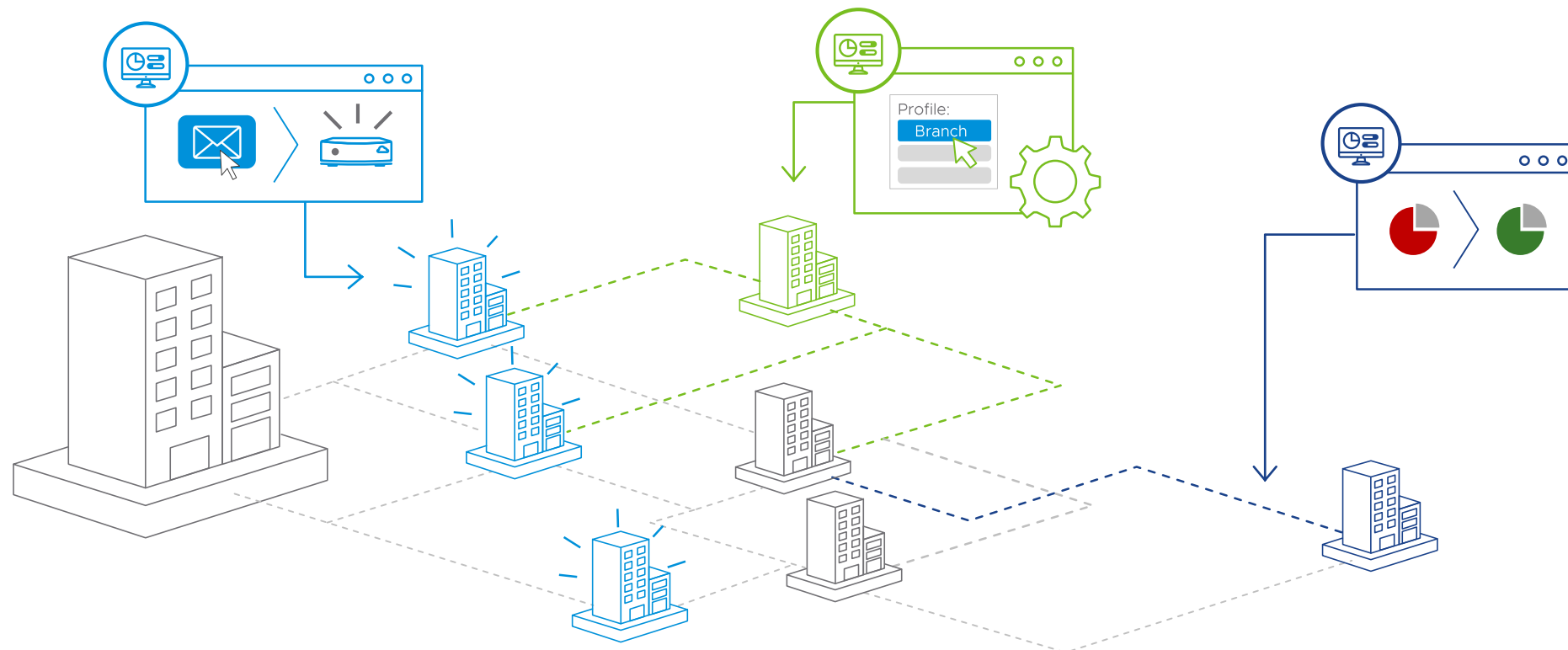
## Expand with ease

Save weeks with zero-touch provisioning of new sites and branches

## Simplify setup

Reduce operational overhead with simple configuration and policy management
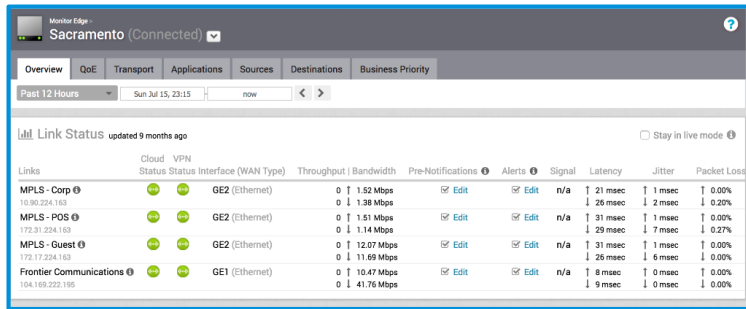
## Prevent issues

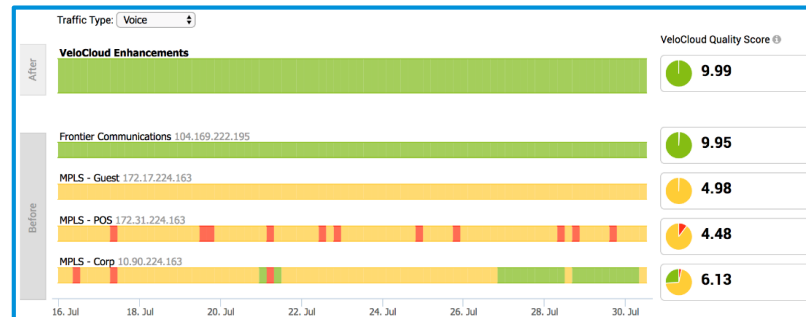Prevent issues before they arise with on-going visibility and agile troubleshooting

Profile:
Branch

# On-going visibility and agile troubleshooting
## Gain line-of-sight to your entire WAN

**View overall site health**

**Quickly assess link quality**

**Drill down to application usage**

Examine bandwidth and throughput in real-time

Understand traffic sources and usage on every site

Access historical data to easily track progress

See latency, packet loss, and jitter on each link

*+Use RESTful API to enable your own custom heuristics or analytics*
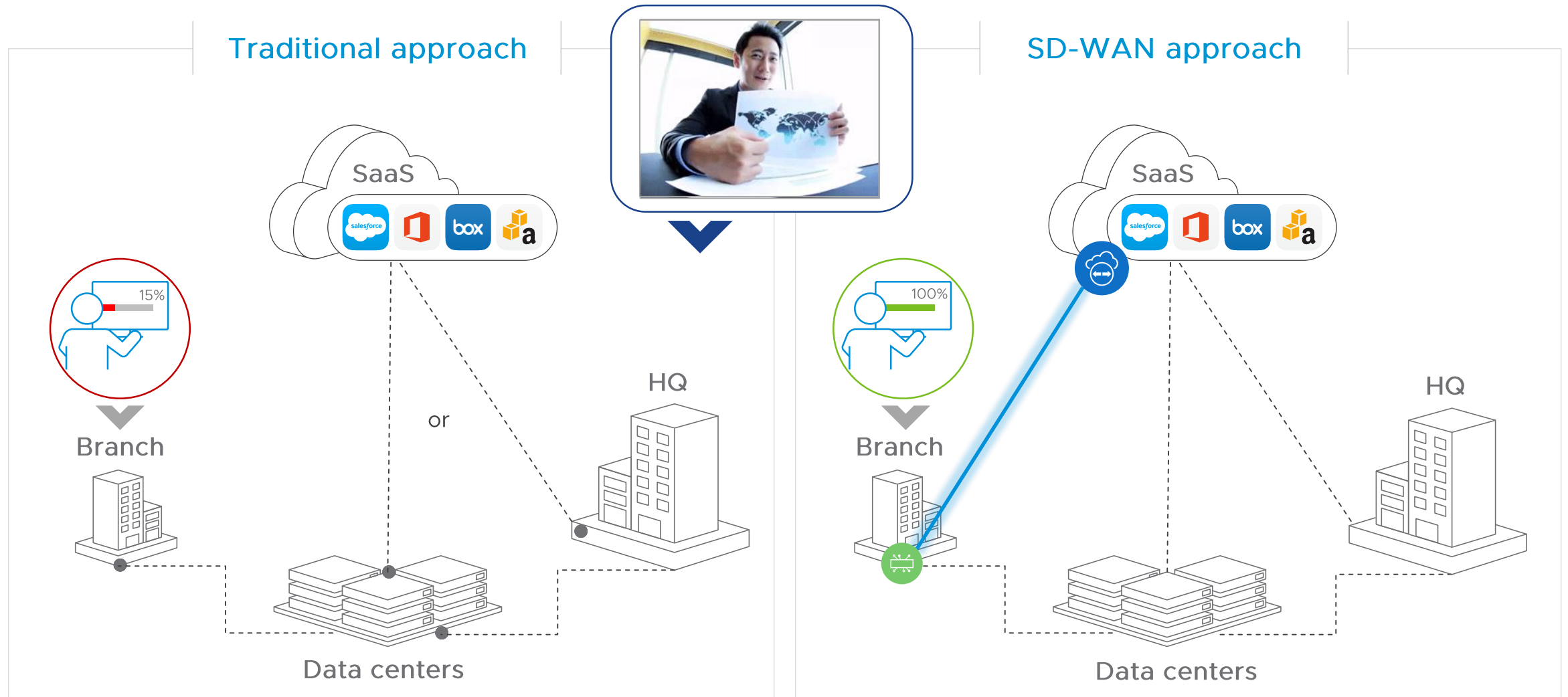
# Before and After with VMware SD-WAN by VeloCloud

# Use Case: Migration to Cloud

# VMware SD-WAN Gateways

Improve application performance by bringing your users closer to the cloud



Traditional approach

SaaS

15%

Branch

or

HQ

Data centers

SD-WAN approach

SaaS

100%

Branch

HQ

Data centers

# Gain access to strategic gateways placed around the world
## Optimize your last-mile logistics

**750+**
Gateways

**63**
Orchestrators

**30**
Regions

Thank you!

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