

NETworking SummIT Online dakoServ – 16.06.2020

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FORTUNE 500 Employees



























































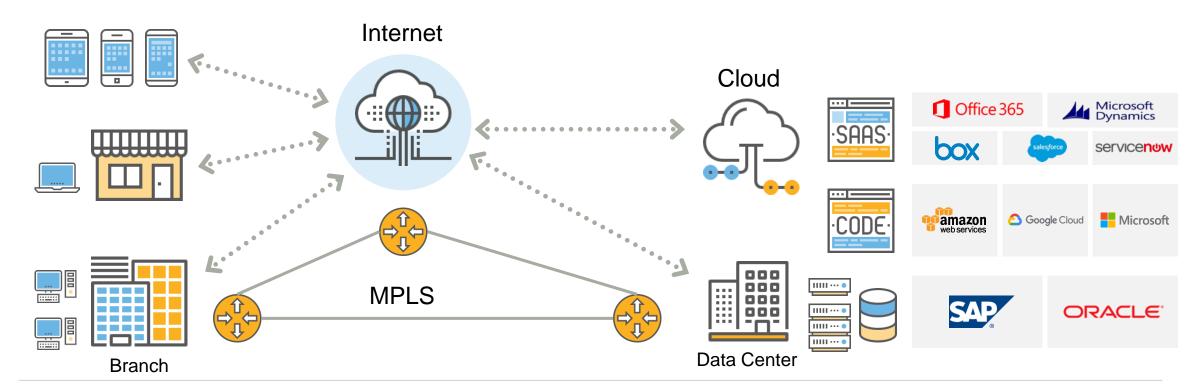


The Evolution the Digital Enterprise



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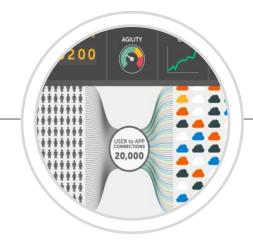




Digital Performance Is Challenging for Enterprise IT



Loss of control with low visibility due to 3rd-party ownership



Growing complexity of user-to-app connections due to dynamic and distributed workforces



Unpredictable performance yields lower productivity and higher business costs

Application Performance = Business Value

SPEED



Productivity
Agility
Time

CONSISTENCY



Reliability
Predictability
Proactivity

AVAILABILITY



Loyalty Dependability

Unpredictable Network Performance at Home



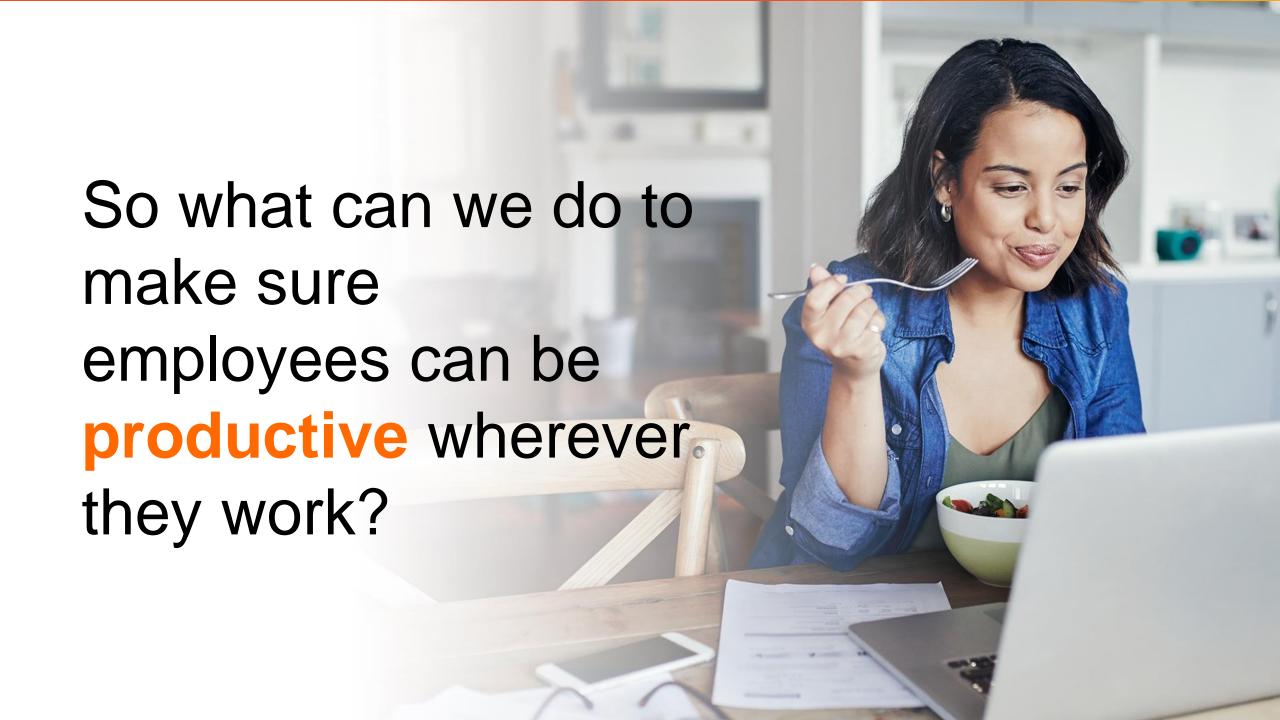
Compromised Network Stability

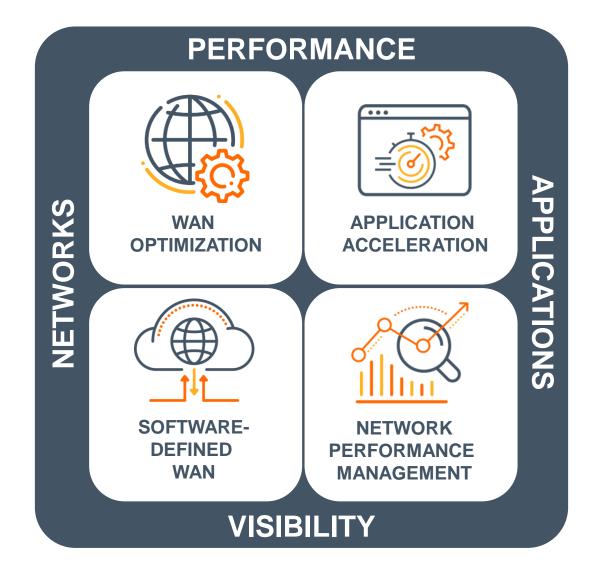


Competing with the kids



Collaboration with video and file share





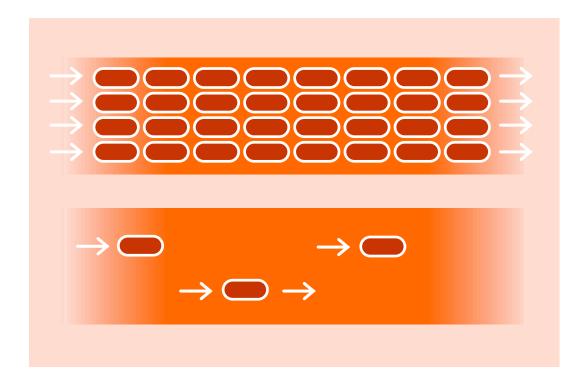
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For the world's largest organizations, and we deliver exceptional Network Performance and Wisibitibal 500 for Any Application

2 Basic Concepts

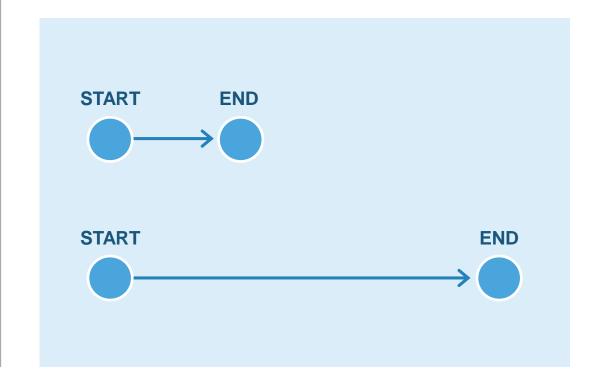
BANDWIDTH

How congested are the pipes that you have?



LATENCY

How far does information need to travel?



Same house, same day, different latency

```
54 bytes from 40.97.148.226: icmp_seq=47 ttl=244 time=91.398 ms
11AM
                 outlook.com ping statistics
              48 packets transmitted, 44 packets received, 8.8% packet loss
              round-trip min/avg/max/stddev = 49.698/196.425/787.140/182.716 ms
              64 bytes from 40.97.164.146: icmp_seq=22 ttl=240
              64 bytes from 40.97.164.146: icmp_seq=23 ttl=240 time=70.414 ms
 3PM
              --- outlook.com ping statistics ---
              24 packets transmitted, 24 packets received, 8.0% packet loss
              round-trip min/avg/max/stddev = 68.082/91.614/259.460/47.880 ms
```

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3 Things Riverbed Does Really Well

Making Networks and Applications Perform better Anywhere



Reduce the amount of data sent over the WAN – "De-duplication"



Modify and prioritize the transport of traffic over the WAN



Reduce the application round trips taken over the WAN

What does this mean?

- Applications are FAST, CONSISTENT, AVAILABLE at home or anywhere
- User has a better day and gets more done

3 Things Riverbed Does Really Well

Making Networks and Applications Perform better Anywhere



sent over the WAN

- "De-duplication"



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Any application, anywhere

What does this mean?

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Results matter!



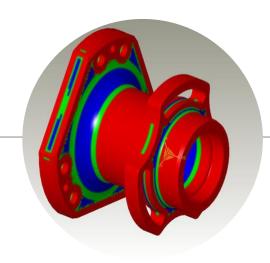
10x faster SaaS (O365, Salesforce, ServiceNow, Box and more)



>99% data reduction on any network



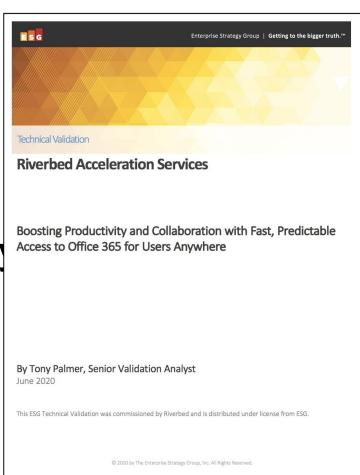
On-prem SharePoint



75x faster downloads 40x faster collaboration 110 MB CAD files

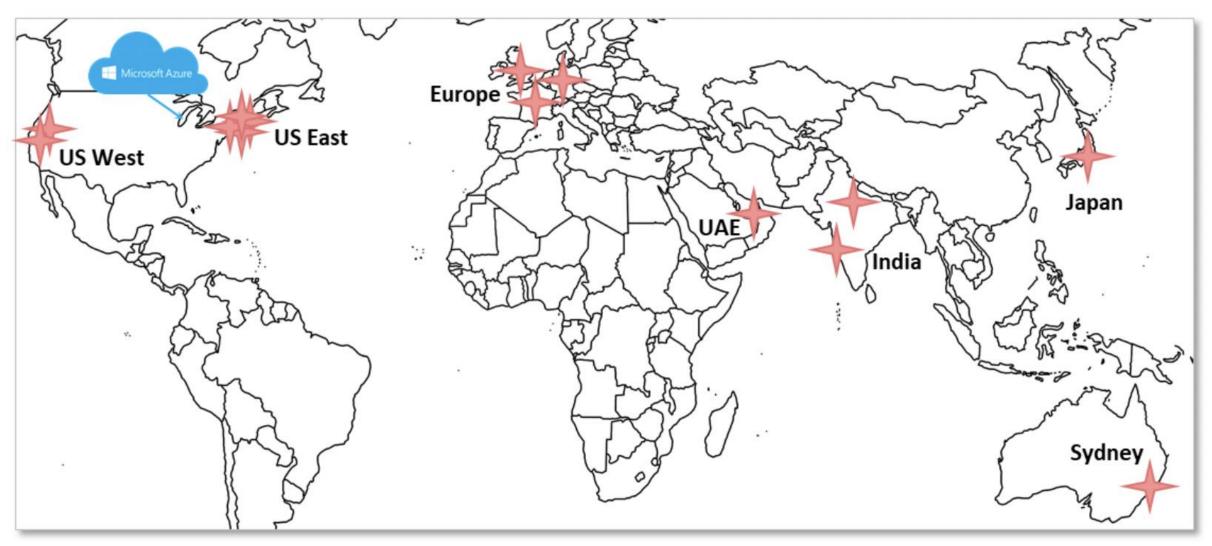
Performance Validation by ESG

- 3 Key Metrics:
- 1. Latency as it relates to app performance
- 2. Data reduction specific to network efficiency
- 3. Productivity savings to enterprise



13 locations tested worldwide

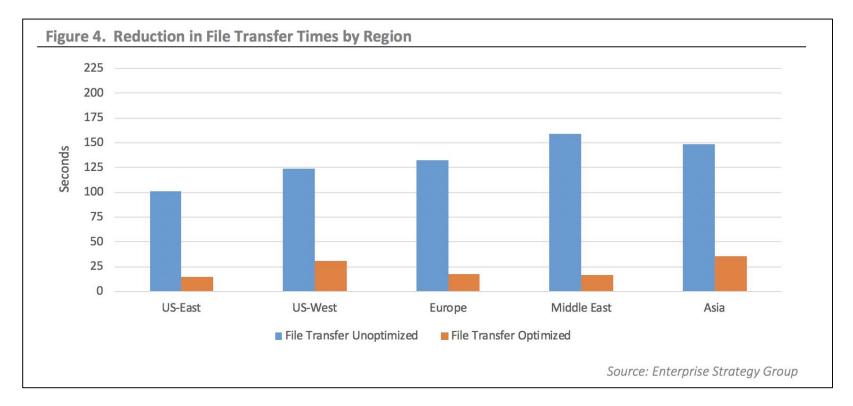
Sydney, Tokyo, Mumbai, New Dehli, Dubai, Frankfort, Paris, London, US East/West various



Source: Enterprise Strategy Group

Latency matters, not bandwidth

ESG saw significant reductions in file transfer times in every location tested



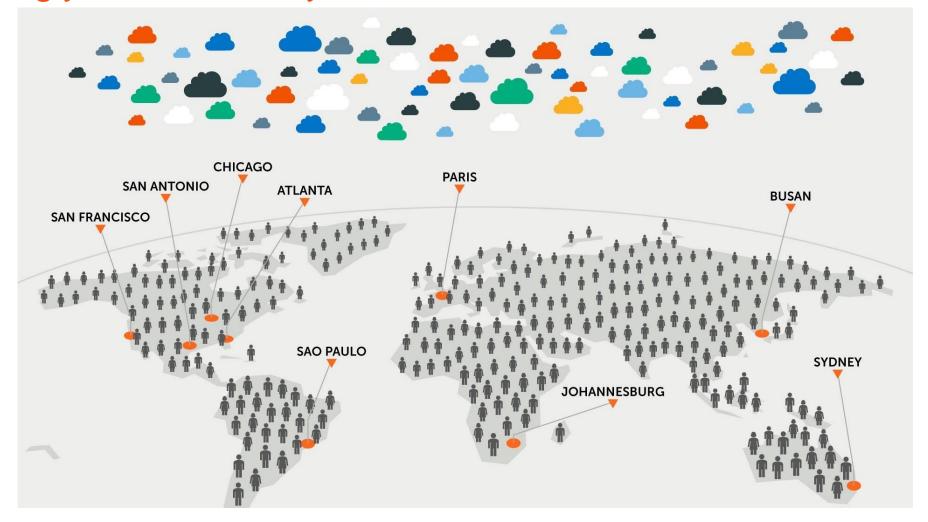
'as latency increased, the file transfer time decreased, regardless of available bandwidth' (MORE BANDWIDTH DOES NOT EQUAL MORE SPEED!)

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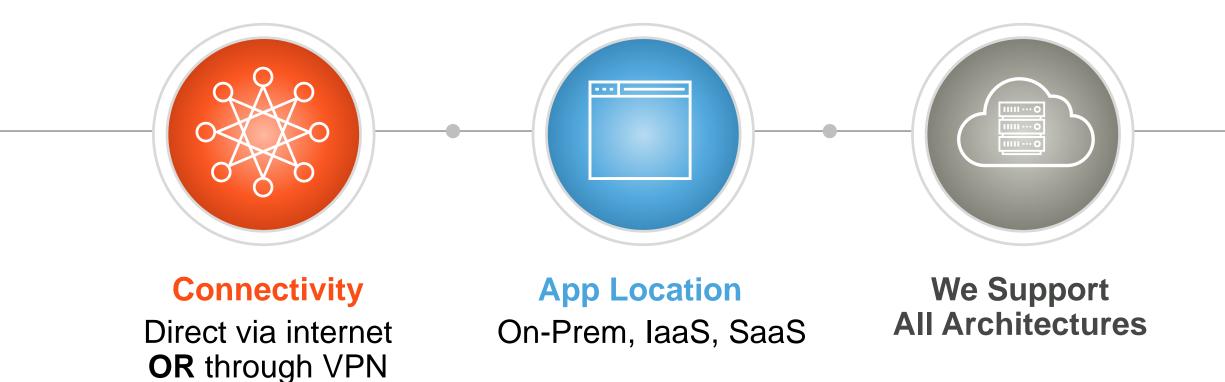
Consider the Modern Workforce

Increasingly distributed, dynamic, and SaaS connected



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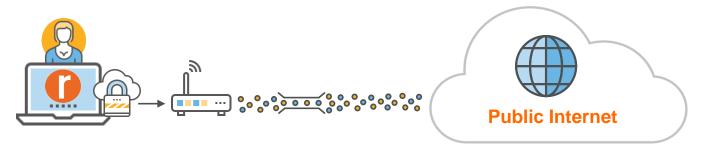
Client Accelerator: Supported Scenarios



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The Home Office/Couch User

The Home Setup





Home WiFi

- Signal Strength, Interference
- Other Users (Netflix, Google Classroom)

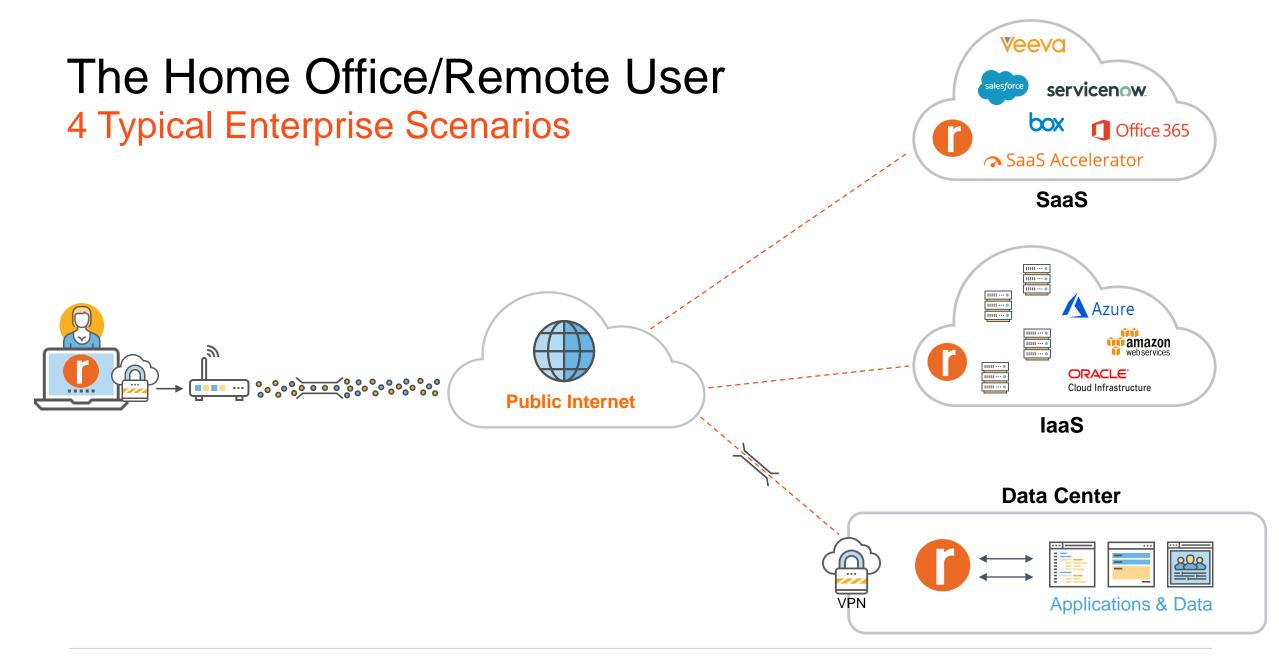
Modem

 Not enterprise grade (needs reboots)

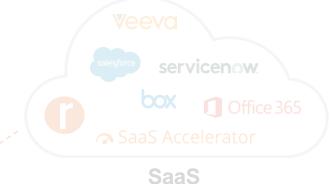
ISP

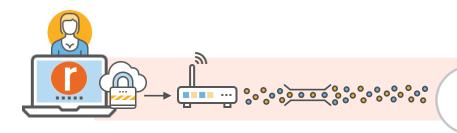
 May be oversubscribed locally or at peering points

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The Home Office/Remote User VPN to Data Center App







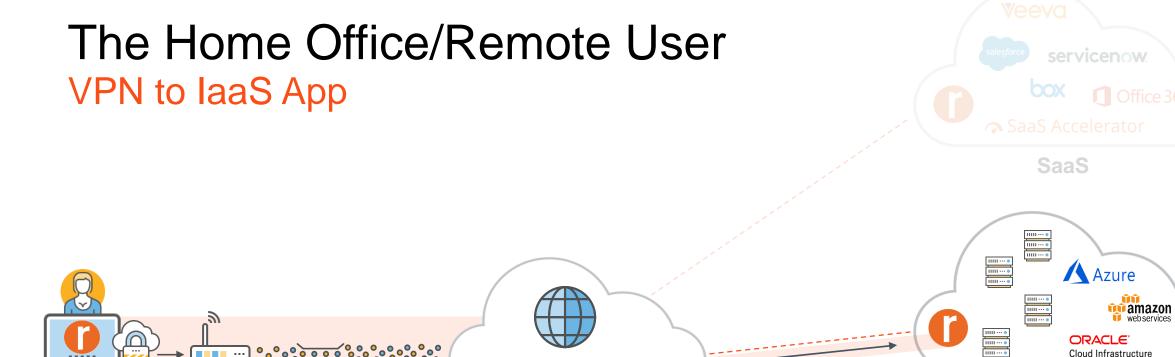


Concerns

- Home Office Connectivity
- VPN Bandwidth
- Latency

Data Center





Public Internet

Data Center

laaS









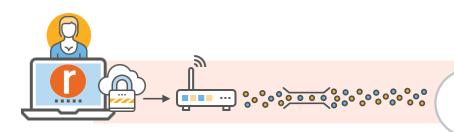


Applications & Data

Concerns

- Home Office Connectivity
- VPN Bandwidth
- Latency









SaaS

Veeva

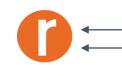
servicenow

Office 365

Concerns

- Home Office Connectivity
- VPN Bandwidth
- Latency

Data Center



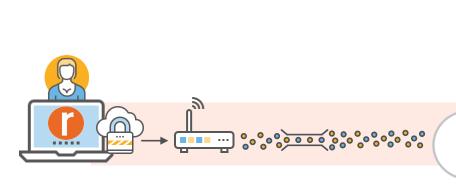






Applications & Data









SaaS

Veeva

servicenow

Office 365

Concerns

- Home Office Connectivity
- Questionable Latency







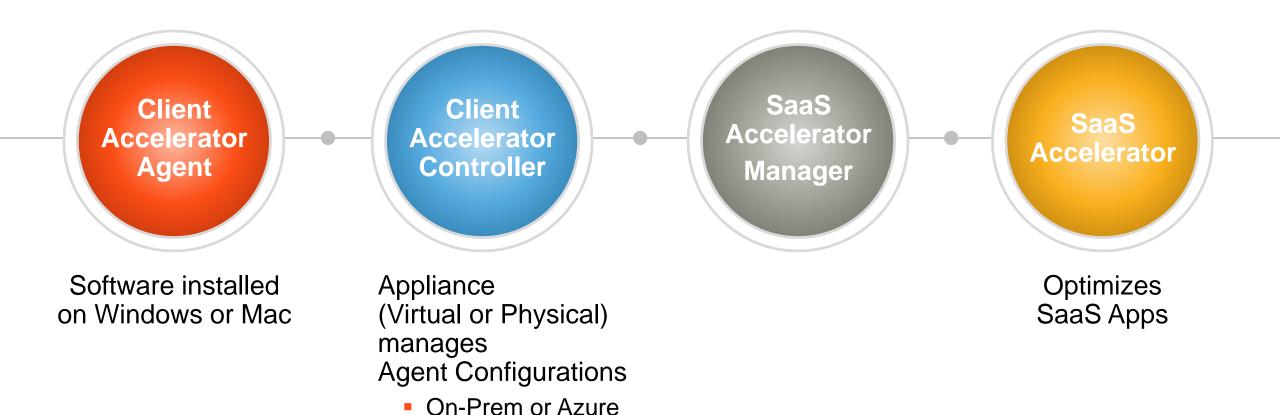






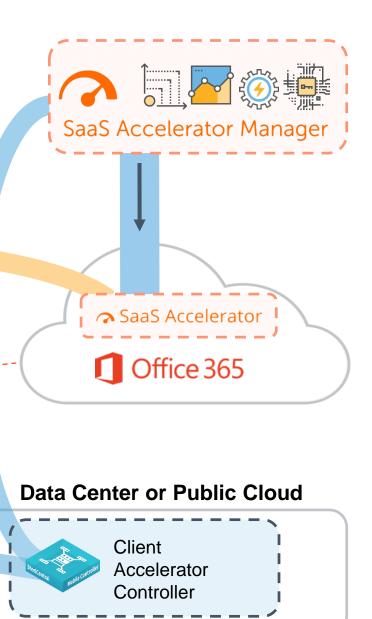
pplications & Data

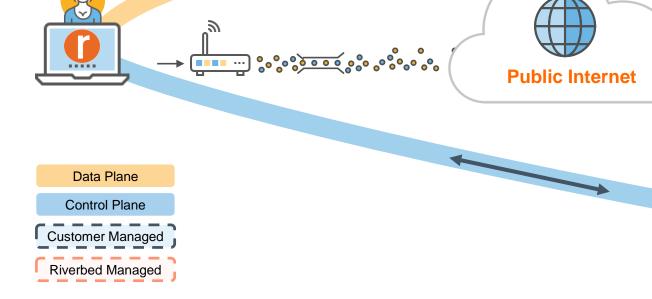
Architecture: Enterprise SaaS apps



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Key Takeaways

 Performance is Unpredictable when Working from Home or outside the company's network

Application Performance =
 Business Productivity

Riverbed delivers FAST,
 CONSISTENT, AVAILABLE
 apps at home and on-the-go



Resources

Try Riverbed Client Accelerator for 90 days at \$0

Register on www.riverbed.com

Zum Thema:

https://www.riverbed.com/solutions/at-home-workforce-productivity.html

Riverbed Blog:

https://www.riverbed.com/blogs.html

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