# THE CHALLENGES OF CHANGE FOR APPS AND THEIR NETWORKS

### MORE APPS, MORE RISK



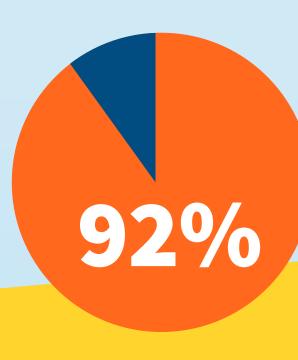
\$2.5 **BILLION** 

in losses for the Fortune 1000 due to unplanned app downtime costs<sup>2</sup>

# \$100K **PER HOUR**

the average cost of app downtime just in productivity and data loss<sup>3</sup>

# IT'S NOT THE APP THAT'S FAILING



of companies find it challenging to manage the performance of cloud environments 4



99%

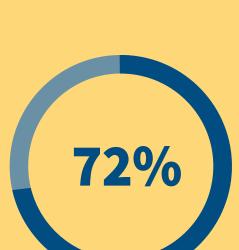
of enterprises with distributed operations suffer adverse business impacts from network interruptions <sup>5</sup>

9 OUT OF 10 COMPANIES

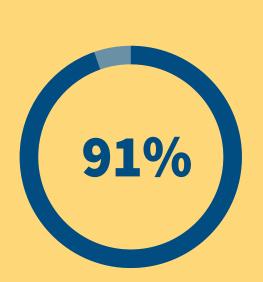
still rely on **centrally managed networks** that don't scale for remote users <sup>6</sup>

### THE NEW REALITY

### **MORE FLEXIBILITY**



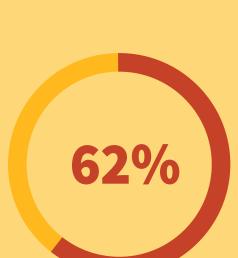
of the U.S. workforce is distributed and mobile; 43% of the worldwide workforce will be mobile by 2020 7



of businesses use the public cloud, 72% use a private cloud, and most use both 8



### **LESS VISIBILITY**



of organizations are **flying blind** with little visibility into their hybrid IT <sup>9</sup>

### **SECURITY TRADEOFFS**



of network professionals find it challenging to strike a balance between availability and security within a network 10



## THE FUTURE FOR NETWORKS

of enterprises will increase investments in NPM tools by 2021 to close functionality and visibility gaps in their hybrid environments 11



are already accelerating apps by modifying or overhauling their network to facilitate application delivery 12

OVER 50%

will connect to cloud providers using direct cloud connectivity from their WANs by 2023 vs. 10% in  $2019^{13}$ 



will have implemented SD-WAN by 2023—up from less than 20% in 2019 to increase network agility and enhance support for cloud applications 14



# **ENJOY EXCEPTIONAL** PERFORMANCE AND VISIBILITY

performance and visibility for any application. See how our best-in-class network performance management, WAN optimization, application acceleration, and enterprise-grade SD-WAN solutions can help you reach the full potential of your investments today and in the future.

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- <sup>1</sup> "Employees Are Accessing More and More Business Apps, Study Finds" *The Wall Street Journal*, February 7, 2019 <sup>2</sup> Shimel, Alan. "The Real Cost of Downtime" *DevOps.com*, February 11, 2015
- <sup>4</sup> "State of Cloud Monitoring" *Riverbed*, 2018 <sup>5</sup> "Remote Office Networks Pose Business and Reliability Risk A Survey of IT Professionals" *Dimensional Research*, August 2019

<sup>3</sup> "Application Downtime Statistics" *StatusCast*, March 13, 2015

- 6 Ibid <sup>7</sup> "IDC: Mobile Workers Will Make Up Nearly 75 Percent of U.S. Workforce" *Telecompetitor*, June 23, 2015
- 8 "RightScale 2019 State of the Cloud Report from Flexera" *Flexera*, 2019 <sup>9</sup> "Hybrid IT Adoption & Trends" *ScienceLogic*, 2015 <sup>10</sup> "Network Professionals Are Reshaping IT Strategy" *IDG*, October 26, 2018
- "IT & Data Management Research, Industry Analysis & Consulting" *EMA*, May 21, 2019 <sup>12</sup> "Citrix and IDC Study: Application Delivery in a Cloud-First World" *Citrix Blogs*, 2017
- <sup>13</sup> "Forecast Analysis: Enterprise Networking Connectivity Growth Trends, Worldwide" *Gartner*, September 20, 2019 <sup>14</sup> Ibid