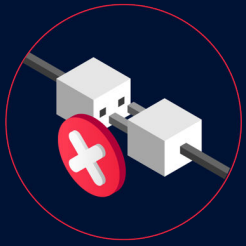




Aligning Your Network Operations Plans with your Financial Services Business

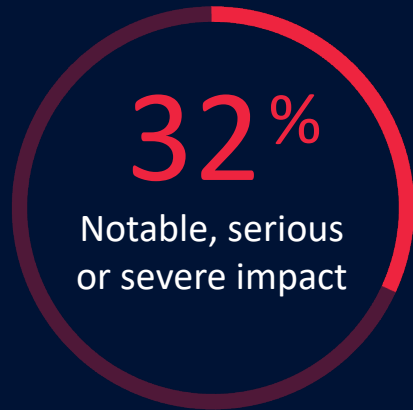
Overcome the skills gap, maintain compliance, and gain operational efficiency to ensure you're ready for what's next





Around the World, Financial Entities Regularly Suffer Digital Outages...

Significant/severe outages are not uncommon in finance

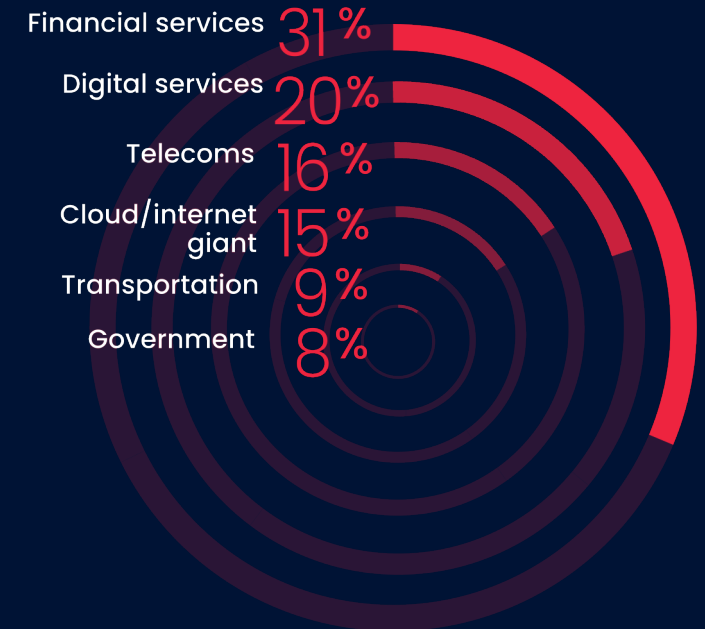


How would you classify the most significant outage that your organization has had in the past 3 years, either in your own site or a third-party provider site?

¹

Most significant publicly reported outages by sector, 2019-2021

Publicly reported outages by sector (significant/serious/severe) 2019-2021; ²



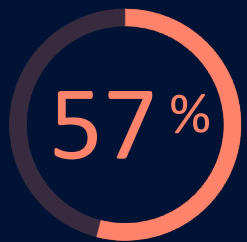
Preventing service outages and performance degradations can dramatically lower your operational costs and reduces risk



Network Visibility Blind Spot is in the Cloud

Financial IT organizations must adopt newer, more advanced automation capabilities that replace manual and repetitive processes with proactive prevention and provide the visibility needed to operate efficiently.

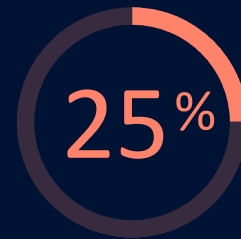
The next-generation of network automation leverages human intelligence to scale faster and support the cloud while maintaining highly performant and highly available online banking, enterprise, and securities and trading services.



of banks

currently run hybrid environments consisting of public and private cloud as well as traditional on-premises deployments.

Yet fewer than

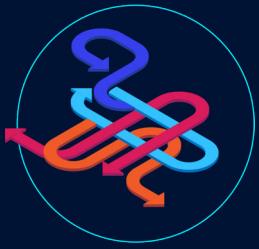


of the responding institutions

have implemented tools to track and resolve disruptions to this critical infrastructure.³

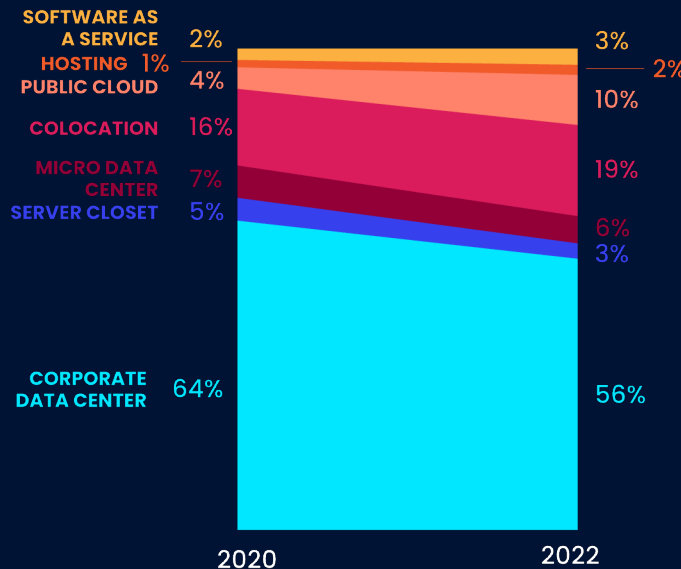


The rapid adoption of technologies, such as cloud, SD-WAN and SDN has fragmented data and visibility.



Digital Infrastructure Is Hybrid: Complex, Distributed, and Multi-party

Financial Services workloads run in multiple locations



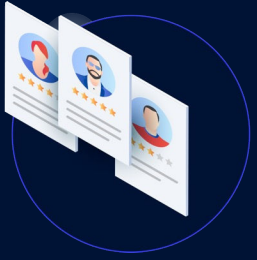
- Critical IT is now executed in multiple environments
- Migration of workloads out of enterprise sites is slow but steady
- Third parties:
 - Have limited legal responsibility for outages
 - May be difficult to audit, test, assess or otherwise make accountable

The sheer number of tools needed to manage these fractured IT systems has exploded alongside an ever-increasing sea of regulations.

The typical financial organization must, on average, deal with
223 regulatory developments every day, according to [Thomson Reuters](#).

According to a study done by [Wolters Kluwer](#)

54% of U.S. banks are concerned with their institution's ability to keep track of changing regulations.⁴



Overcoming the IT Skills Deficit

Retaining skilled employees and increasing the talent pool has become more difficult after the pandemic and The Great Resignation

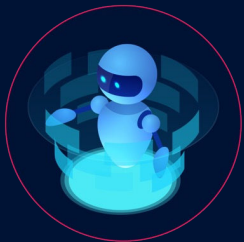
“

The labor participation rate currently remains

1.1 percentage
points

below pre-pandemic levels, with limited signs of a rebound in the near term according to the Bureau of Labor Statistics.⁵

”

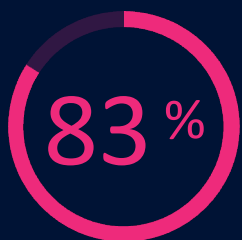


A New Automation Frontier

The age of automation is already upon us. It's transforming us in ways we never imagined were possible.

The next-generation of network automation is helping financial services IT organizations prevent serious outages, performance degradations and their impacts to the business.⁶

The Investment Push Continues



83% of banks are increasing operations automation budget in next 12-24 months

Banking LOB budget increases for operations automation in the next 12-24 months ⁷

39% Increase 1%-9%

28% Increase 10%-24%

15% Increase 25% or more

Banking operations automation budget next 12-24 months

39% Increase 1%-9%

28% Increase 10%-24%

15% Increase 25% or more

10% About the Same

6% Decrease 25% or more

1% Decrease 1%-9%

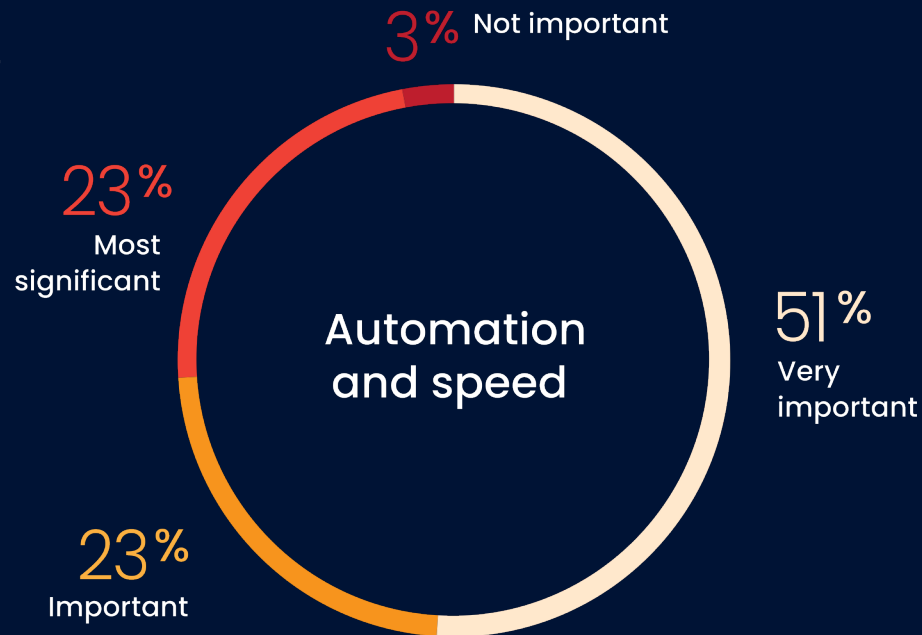


Imperatives for Operational Network Transformation

The next big opportunity for automation lies in Day-2 network operations

The key to making a strategic operations transformation successful is to intelligently automate network problem diagnosis and outage prevention at scale.

Overall, what do you consider to be the most important benefits of fintech for your organization?





Navigate Regulatory Requirements Like an Expert

Regulators want changes and proof of plans, but if you don't know where the paperwork is to start a plan, you're spinning your wheels



By **2024**
annual investment on regulatory compliance reporting will be
\$2.7 billion⁸

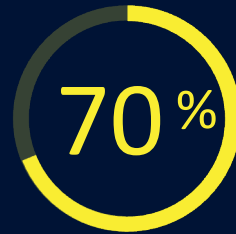


Be Protected from the Unintended Consequences of Change Management

In the finance world, change equals risk. Devices are everywhere and you must verify they are performing properly, but the amount of work per device is insurmountable.



According to Uptime Institute, more than



of all data center outages
are caused by
human error

either incorrectly applied changes, or changes that were applied correctly but for some reason not what was intended.

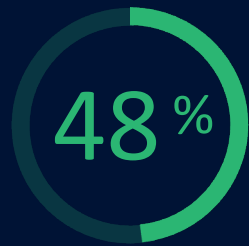
Therefore, a change management process must be able to protect application delivery by preventing costly outages from impacting your organization, ensuring maximum uptime, and improving operational efficiency and productivity.



A Single Source of Truth

With financial services workloads in a distributed environment, a single source of truth across teams can accelerate network tasks and foster collaboration

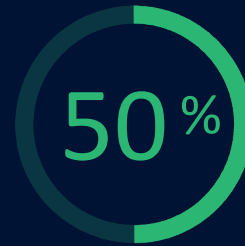
EMA reports that nearly



of organizations

are still relying at least partially on manual data gathering for their data center network automation tools.⁹

An NSoT based on partially accurate components will limit the ability to scale network automation initiatives beyond



of activities.¹⁰

Most enterprises don't have an accurate, robust "enterprise class" NSoT (we estimate it is lower than 25%). We recommend investing in a modern NSoT to scale network automation efforts.¹¹



Why More Financial Services Organizations Choose NetBrain for Network Automation



More financial IT organizations choose NetBrain because it helps them be enablers of their businesses. It reduces their risk posture and gives them the confidence to make accurate changes to the network.

That's because NetBrain is foundationally different than any other automation approach in use today in enterprise networks.

It delivers on the promise of Intent-Based Networking (IBN) across any hybrid, multi-vendor network using automation to preserve the desired behaviors (intents) needed for every application to perform consistently.



NetBrain Prevents More Types of NetOps Problems for Financial Services.

NetBrain helps financial services organizations get control of network operations – *today* – to help them give their businesses an edge.

Go to eBook

Get Started

¹ Source: Uptime Institute Global Survey of IT and Data Center Managers 2020 Financial Services Sector only (n=66)

² Source: Uptime Institute publicly reported outages database (n=74)

³ IDC eBook Creating the Future Infrastructure for the Banking Industry

⁴ <https://blogs.idc.com/2021/03/22/establishing-resiliency-through-a-modern-regulatory-change-management-strategy/>

⁵ The employment situation. Sep. 2022

⁶ Center for Financial Professionals (CeFPro®), 2022 - <https://d17802kg5dey7s.cloudfront.net/webapps/mapcrm/eventspeakers/3l3o81o2q9kn4qmnhsq63sm3qt/FINTECH-LEADERS-2022-FINAL.pdf>

⁷ Source: Industry AI Path-2021, JDC May 2021

⁸ IDC Modernizing Regulatory Change Management in Banking and Financial Services

⁹ Enterprise Management Associates® EMA Research Report | The Future of Data Center Network Automation

¹⁰ Graphics created by Netbrain based on Gartner research. Source: Gartner, Inc., Market Guide for Network Automation Tools, February 22, 2022.

¹¹ Gartner® Gartner, “Market Guide for Network Automation Tools”, Andrew Lerner, Ted Corbett, 22 Feb 2022. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All rights reserved.

