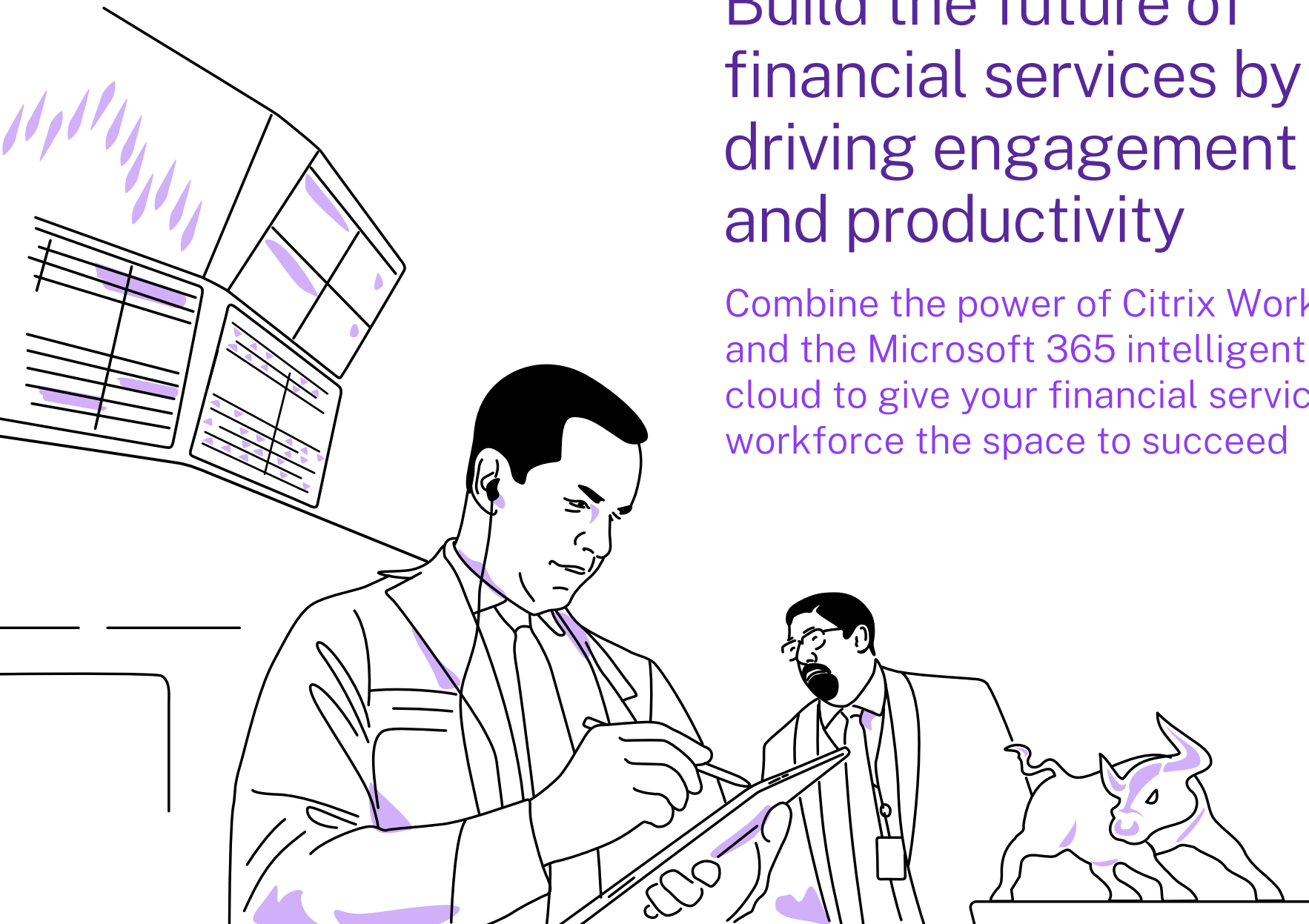


# Build the future of financial services by driving engagement and productivity

Combine the power of Citrix Workspace and the Microsoft 365 intelligent cloud to give your financial services workforce the space to succeed



# Navigate financial services complexity and challenges by providing a great worker experience

2020 transformed the financial services industry. Organizations scrambled to abide by the latest stay-at-home guidance, opening and closing branches and enabling remote workers. Users needed to access company data from home and other locations, including trading, wholesale funding, risk management, and compliance information, as well as customer and payment data. As a result, strengthening network security became a leading imperative for all firms. Financial services organizations sought to identify and resolve process gaps, as well as protect users and networks from attack strategies including phishing, social engineering, and credential harvesting.

At the same time, businesses and customers increased their use of touchless processes and sought virtual advice about changing government rules and programs, using collaboration tools like Microsoft Teams. As a result, financial services organizations experienced soaring demand for digital services and payments, call center expertise, and lending and governmental payments.

As a consequence, leadership teams are they are rethinking their strategy, operating model, and processes to navigate this new reality. They want to accelerate innovation and operations and meet rising customer and worker expectations, while ensuring regulatory compliance using new operating models. They also need to consider how to ensure data privacy and security, prevent fraud, and combat cybersecurity in a rapidly shifting industry landscape.

At Microsoft Ignite 2021, Microsoft CEO Satya Nadella described the new trends governing business. In our new digital world, ubiquitous computing will reign, and trust will be built into solutions by design.<sup>1</sup> The key to accomplishing these goals is providing collaboration and innovation tools that enable your workforce to work from anywhere, anytime. As a financial services organization, you can unlock potential for your people, organization, and customers as you build organizational agility, tenacity, and resiliency for what's next.

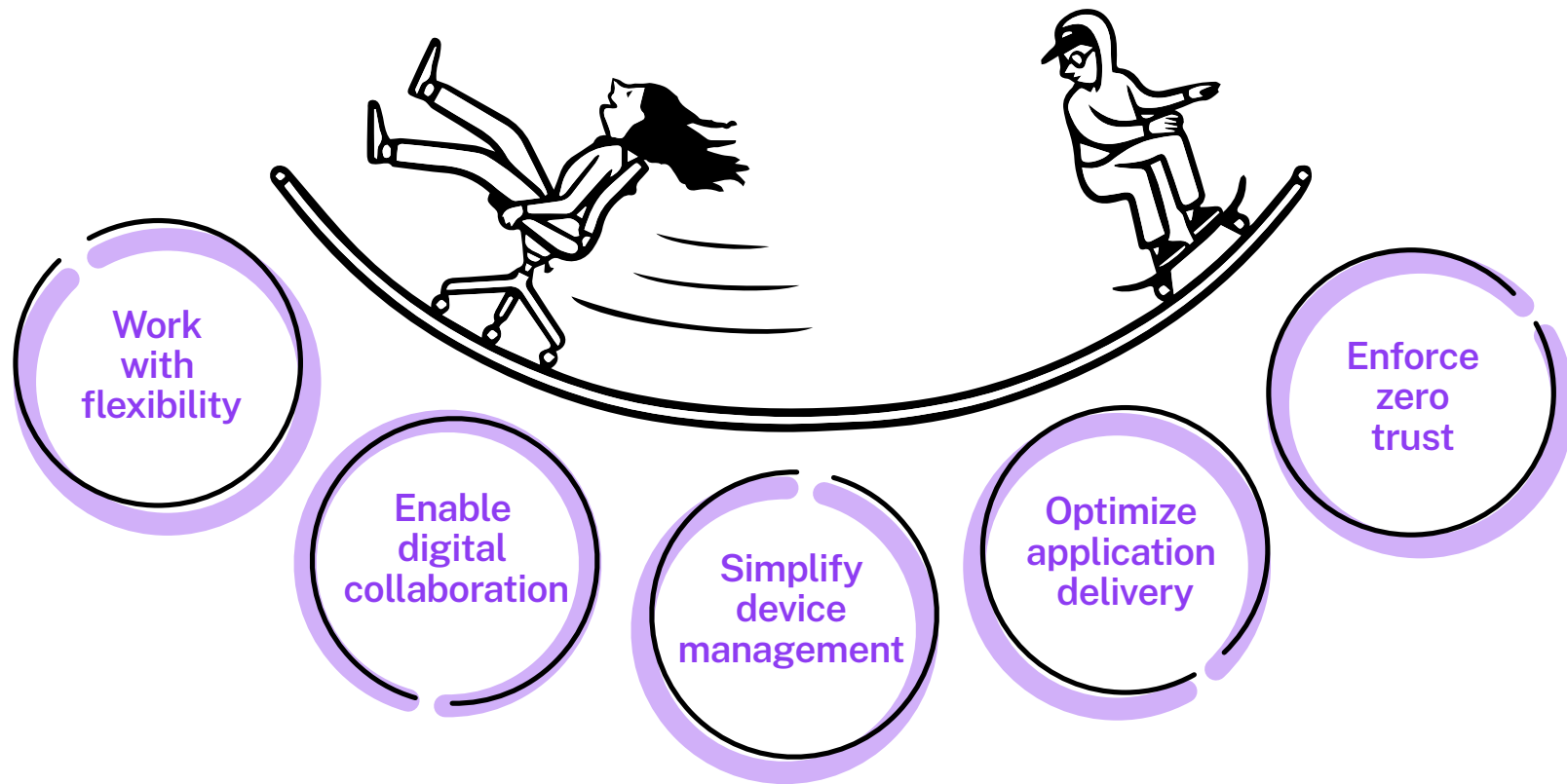
**In this eBook, we explore key themes for the future of work and how Citrix Workspace and the Microsoft intelligent cloud will enable greater success for your organization.**

- Delivering an intelligent platform for a world of work
- Operationalizing flexible, hybrid work models
- Scaling business growth with a hybrid cloud infrastructure
- Fueling collaboration with streamlined workflows
- Providing a consistent application and network experience
- Managing security with a zero-trust architecture

► **Let's take the journey together.**

# Citrix and Microsoft: your partners for accelerating the future of financial services

## Citrix Workspace and Microsoft



**Citrix** and **Microsoft** are better together, helping financial services organizations and their people reach their full potential. Together, we deliver an exceptional experience by putting people, rather than devices, at the center of our powerful, integrated platform. Your workers gain the space they need to think, explore, and grow. And when the pressure is on, digital workspaces and automated workflows quiet distractions, guiding users to the work that matters most.

# Celebrating how far we've come with Citrix Workspace and Microsoft 365

The world has experienced a torrent of change. As financial services organizations enabled remote and flexible work models at scale, it has strained networks and app delivery infrastructures, as well as IT organizations' ability to support them. Corporate private virtual networks were ill-equipped to handle exponential growth, accelerating organizations' race to the cloud.

Complicating this path is the fact that financial services organizations and their workforces have more stringent requirements than many other industries, due to regulatory and compliance requirements. Banking staff, investment advisors, and insurers need to access customer data securely and provide targeted advice over multiple channels. In addition, front line staff in bank branches, call centers, and other locations routinely handle sensitive data to answer customer questions and provide support in an accelerated manner.

Financial services organizations need to enable collaboration but must lock down a vast data wealth to prevent misuse and abide by data sovereignty requirements. Workers need the ability to access data via business, mobile and SaaS apps; share files securely internally and with customers; and collaborate on work, ranging from business proposals, to lending packages, customer queries, and more.

Despite these challenges, enabling flexible workstyles with hybrid cloud IT infrastructures, including digital workspaces, has been proven to work. Financial services organizations and their workforces have sustained collaboration and productivity in new ways, driving transformation further and faster than anyone could have predicted.

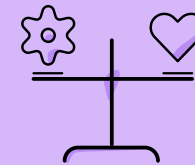
## Remote work helps individuals take control of their workday



**2 in 3 report an increase in productivity.**



**2 in 3 say it increases their job satisfaction.**



**4 in 5 say they have better work-life balance.<sup>2</sup>**

# Citrix and Microsoft 365 deliver an intelligent platform for financial services growth

**Citrix Workspace** enables your people to work from anywhere, while providing them with a modern Windows desktop; **Microsoft 365** collaboration and productivity experience; and access to all the SaaS, web, and virtual apps they use. Our partnership with Microsoft also increases your flexibility with **Citrix Virtual Apps and Desktops Service**, enabling you to deploy on **Microsoft Azure** to gain enterprise-class virtual desktop infrastructure (VDI) capabilities.

## Work productively anytime, anywhere:



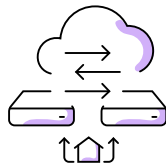
You gain a single, unified experience with Citrix Workspace and Microsoft 365. Workers benefit from faster logins; streamlined access to productivity, communication, and collaboration apps; and intelligent microapps that simplify routine processes.

## Collaborate seamlessly around the world:



Citrix Content Collaboration and Microsoft OneDrive speed innovation cycles, with a single sign-on, secure data access and storage, and digital workflows that speed feedback and approvals.

## Simplify VDI management:



Microsoft Teams has scaled to handle incredible demand for video, chat, and online collaboration. In addition, Citrix HDX Real-Time Media Engine optimizes Microsoft Teams, providing flawless voice and video and delivering an exceptional experience with minimal latency.

## Deliver a consistent experience:



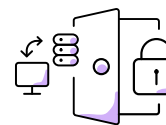
Citrix Application Delivery Controller (ADC) optimizes the application experience with availability, scale, performance, and security. Citrix SD-WAN breaks out Microsoft 365 and Teams to the nearest Microsoft 365 Front Door. Meet increased demand for Teams, while enhancing security, control and scalability. Content offloading enhances the Teams experience.

## Scaling to meet demand:



Microsoft Teams has scaled to handle incredible demand for video, chat, and online collaboration. In addition, Citrix HDX Real-Time Media Engine optimizes Microsoft Teams, providing flawless voice and video and delivering an exceptional experience with minimal latency.

## Secure endpoints everywhere:



With Citrix Endpoint Management's native integration to Microsoft Endpoint Manager, you gain a wide range of app support and security policies. SSO to SaaS and web apps streamline access and dynamically launched isolated browsers protect corporate networks accessing untrusted apps or websites.

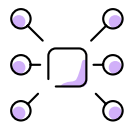
# Envisioning the future of work in our new digital reality

As the pace of business and technology change increases, financial services organizations are shattering records everywhere. They're transforming business in real-time, digitizing the customer journey, providing end-to-end services, and using APIs to integrate with best-of-breed partner solutions. As a result, IT is now forecasting far into the future: aligning investments and innovation to new trends, so that financial services organizations and their partners can tap the full potential of the new opportunities that arise.

## So, what's next?

Financial services IT leaders will develop hybrid infrastructures to support the development of digital business models, products and services, and experiences. At Ignite 2021, Microsoft CEO Satya Nadella said that we will witness the rise of:<sup>3</sup>

### Ubiquitous and decentralized computing:



Advances in technology materials, semiconductors, and systems are fueling the fast-paced evolution of computing architectures, unleashing the exponential increase of compute capacity. In addition, financial services organizations are pushing compute to the edge using the Microsoft Intelligent Cloud, to deliver a better user experience and enable easier processing of vast data sets for analytics.

### Empowered creators:



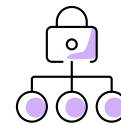
Anyone can become a creator with Citrix Workspace and Microsoft tools, streamlined data access, and predictive and analytical capabilities. For example, users can build custom microapps in Citrix Workspace to simplify and automate everyday tasks. Financial services organizations can use Microsoft Mesh to enable experts and their customers to see, share, and collaborate on persistent 3D content. As an example, 3D models bring different financial models to life and simulate the impact of a market downturn more powerfully than graphs on a computer screen.

### Sovereign data and ambient intelligence:



Edge and cloud computing will make it easier to improve data governance and providence, meeting critical financial services regulatory requirements. Financial services organizations will be able to tap multimodal streaming sensor data (including audio, video, and depth) and digital platforms to develop rich, immersive experiences<sup>4</sup> such as supercharging remote work, visualizing data, enhancing the advisor experience, enabling virtual visits to bank branches, and empowering users to explore financial topics or products in context.<sup>5</sup>

### Trust by design:



Trust will be built into solutions, simplifying the process of authenticating users, blocking threats, and evolving security to address the latest risks. Solution designers will adopt zero-trust security architectural principles for new tools and use ethical principles to govern the design, development, and deployment of artificial intelligence-driven apps. This will enable financial services organizations to harness customer data securely, to customize digital products and services.

# Flexible, hybrid work models are here to stay

So, the future of work is here and creating new possibilities. You can capture opportunity by unlocking the full human potential of your workers. Together, Citrix and Microsoft technology empower a better experience for all your users, so that they can think, collaborate, and innovate.

**Citrix Workspace** is a secure, intelligent, and high-performing digital workspace designed to help improve the employee experience by quieting distractions and guiding users to work that matters. It organizes, guides, and automates everyday tasks, boosting productivity and generating a sense of accomplishment. Citrix Workspace also gives IT more visibility and control for simplified management, security, and compliance.

With **Microsoft 365**, users can work anywhere, while using business data securely. That may mean working at home, joining in-person groups in the office, or creating physical-virtual groups of workers at any location. It also means partnering with cloud-based talent pools, contractors, and others to accelerate innovation. Whatever work looks like, flexible workstyles will be critical to winning and retaining the best talent. Financial services organizations are evolving HR strategies, IT infrastructures, office space, and more to meet these new demands.

Citrix and Microsoft have jointly developed the **Citrix Optimization for Teams** to create a secure, unified collaboration hub with the performance of a local installation and the security and simplicity of a virtual app. When you combine Teams with Citrix virtualization, you can centralize control by managing Teams alongside other virtualized enterprise apps, improve security by storing data on the cloud, and maximize your existing Microsoft 365 subscription entitlements.



## Oman's largest bank extends secure and robust banking applications

Bank Muscat manages 149 branches across Oman. "Initially we chose Citrix to help us manage bandwidth-hungry applications over slow connections," says Vinod Vasuden, Head of Virtualization. However, Citrix Virtual Apps and Desktops, Citrix ADC, and Citrix Endpoint Management have enabled the bank to publish and securely manage 85 different applications to 2,500 users across the branches, ranging from business apps like PDF creation to critical financial apps such as Moody's.

"With Citrix, we can secure app delivery and dramatically reduce the chance of any compromise," says Vasuden.<sup>6</sup>

# Citrix and Microsoft –operationalizing hybrid work models in financial services

Citrix and Microsoft technology and our connected roadmap drive continuous innovation for the world's organizations. Together, we help financial services organizations rethink their business and IT strategies, simplify remote work and collaboration, effectively navigate business-critical disruptions, and spur innovation and business growth.

**Citrix Workspace taps your entitlements for Azure Virtual Desktop** (formerly known as Windows Virtual Desktop) to deliver a secure digital workspace on any device, enabling more seamless growth. Citrix and Microsoft help you simplify Azure migrations and gain new capabilities, while decreasing costs.

Since business demand is always changing, IT can scale up or down to meet burst or seasonal growth with the sustained scale afforded by Citrix ADC and Citrix SD-WAN. That ensures you to continue operating in any condition, while avoiding productivity issues due to latency or application glitches.

With growth and innovation comes potential risk. Citrix and Microsoft unified endpoint management and mobile application management help IT keep endpoints under control, including personal devices. Zero-trust policies continually verify access, rapidly identifying any anomalies. Citrix Analytics enables IT to review user activity across applications, content, and networking. IT organizations can tap machine learning to identify suspicious behavior and enable automated responses.

Microsoft Security Graph API and Citrix provide a unified threat intelligence view across their hybrid cloud environment. Security administrators can use these insights to mitigate risk on an ongoing basis.

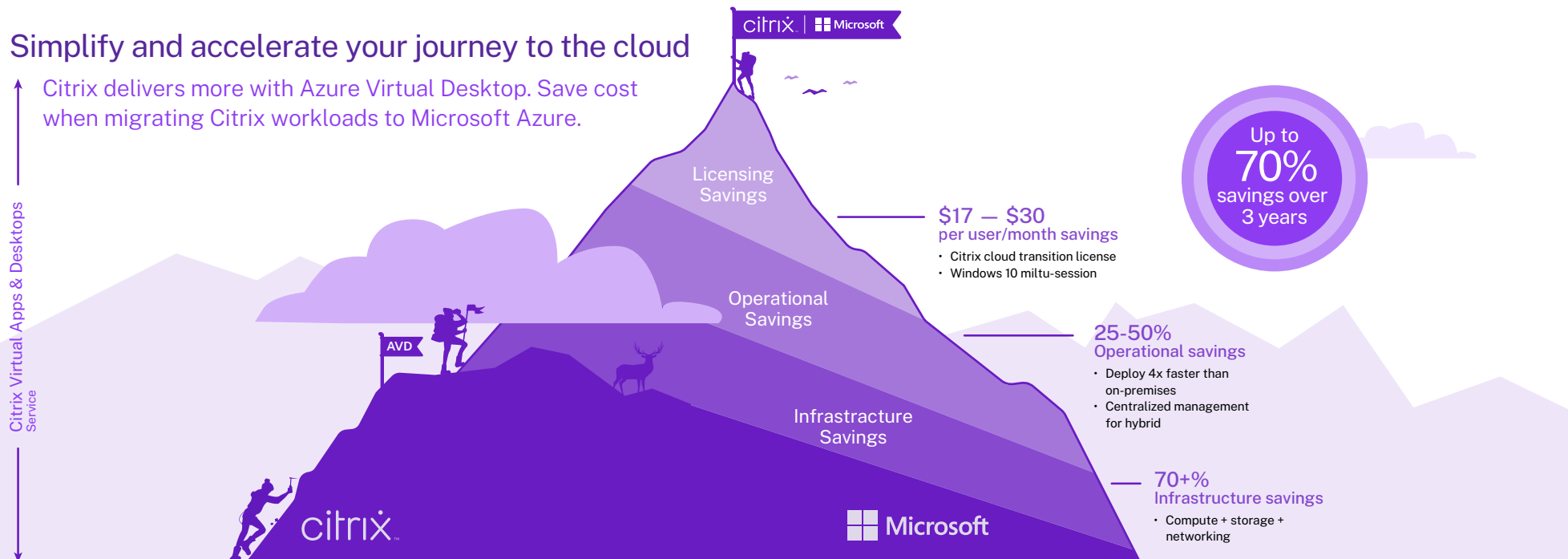




# Enabling your IT organization to scale your financial services business

It's likely that your financial services organization was among the 46 percent of businesses that increased their investment in their hybrid cloud infrastructure to enable faster innovation and remote work models during the pandemic.<sup>7</sup> Microsoft and Citrix provide joint tools and services to simplify and speed the transition of the Citrix Virtual Apps and Desktops service to Microsoft Azure, while still leveraging Azure Virtual Desktop investments. Citrix technology enables you to manage all your cloud investments in one place. It also simplifies capacity planning, allows for bursts, and controls costs.

IT can build the hybrid infrastructure that makes the best sense for your financial services organization with Citrix and Microsoft. You will be able to fully support Windows 10 multi-session desktops, available only as part of Azure Virtual Desktop, while managing your on-premises infrastructure. Using one view enables you to migrate apps to the hybrid cloud faster, as well as manage hybrid deployments more easily. Citrix IT admin tools for virtual and cloud apps provide rich capabilities, including image management, application layering, and advanced analytics.



# Streamlined workflows make collaboration easier and more powerful

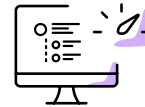
Ready to get to work? **Citrix Content Collaboration** enables internal-external groups to access, sync, and share files securely from nearly any file repository on any device. People just work better when they can access everything that they need in one place. Citrix Content Collaboration meets business demands by:

## Supporting hybrid storage architectures:



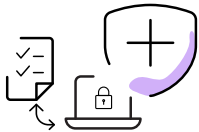
Maintain flexibility by providing access to Microsoft OneDrive, SharePoint, and Windows network shares. Avoid costly migration programs, by continuing to store content on-premises, in the cloud, or across your hybrid infrastructure.

## Accelerating workflows:



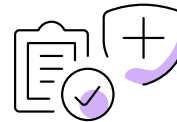
Focus your people on innovation, not busywork. Solicit feedback, review and address suggestions, request signoffs, and collect electronic signatures in a seamless, automated workflow.

## Providing secure file access:



Securely enable access to encrypted content on any device, supporting teams' flexible workstyles. Gain instant access to key documents in the same central console, streamlining workflow.

## Maintaining regulatory compliance:



Gain enterprise-grade controls that protect your financial services organization from unauthorized access and data leaks. Audit, track, and log all access to data including personally identifiable information (PII), maintaining compliance with data sovereignty and consumer privacy regulations.

***Citrix Workspace provides 100 out-of-the-box microapps to simplify daily tasks, so that users can focus on the work that matters most. In addition, IT can create its own custom low-code workflows in minutes, spurring productivity even more.<sup>8</sup>***

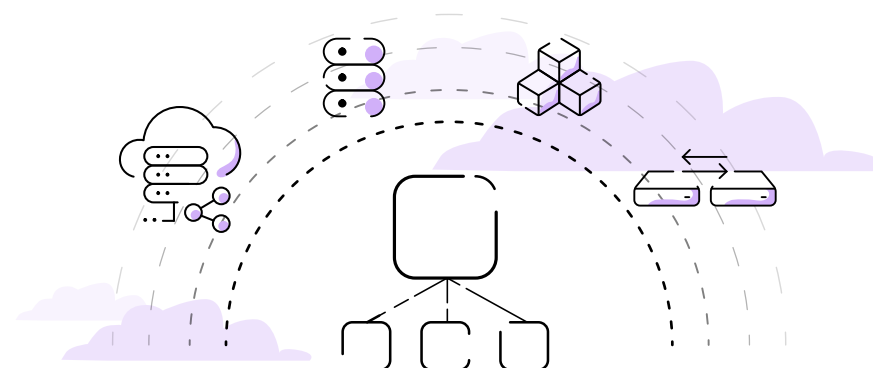
# A consistent, scalable application and network management experience can unlock new levels of productivity

Providing seamless, ongoing access to applications and corporate networks has never been more important. In addition to unplanned outages, remote financial services workers are experiencing the impacts of network congestion, as more edge sites, bandwidth-intensive apps, and endpoints create latency. Users often need to access multiple apps to do daily work and provide speed of service to B2B and B2C customers.

In addition, financial services organizations will want to tap the growth of 5G, edge computing, and Internet of Things applications. Financial services organizations are eager to automate processes; develop customized digital products and services; and power new capabilities such as connected services, touchless payments, and enhanced fraud detection. As a consequence, IT teams want to create a network performance model that will scale easily to handle billions of new endpoints.

**Citrix Application Delivery Controller (ADC)** and **Citrix Application Delivery Management (ADM)** simplify the delivery of applications across your hybrid, multi-cloud environment. Together, Citrix ADC and ADM optimize the entire experience, enabling more efficient user and network access and faster backend server response times and content downloads. You gain exceptional performance for both traditional and cloud-native apps.

Taking a software-centric approach to application delivery also increases IT's visibility and ease of management. IT gains a single pane of glass across the hybrid cloud, with insight into application and network health, performance, and potential issues. IT also benefits from operational consistency by using a single code base across formats, streamlining security, autoscaling, and licensing.



Citrix ADC ensures app performance and high availability in a remote-work world.

# Citrix SD-WAN spurs application performance

Citrix makes the transition to **Microsoft 365** easy by optimizing network connectivity through a combination of automation and simpler configuration processes. **Citrix SD-WAN** follows Microsoft's recommendations to minimize latency and improve user performance for Microsoft 365 applications by providing direct and reliable connections for all office locations simultaneously. The Citrix solution leverages APIs containing published Microsoft 365 endpoint URLs and IP addresses to automatically learn and use the closest front door locations to users. This capability, in conjunction with the built-in stateful firewall, provides the ability to do local breakout of trusted, latency-sensitive Microsoft 365 and Microsoft Teams traffic over local ISPs for all your office locations.

Citrix SD-WAN enables you to offer a consistent user experience, wherever people work. You can deliver any desktop or app, including Windows, Linux, Web, or SaaS apps, anywhere, increasing your business flexibility. Citrix SD-WAN optimizes where application traffic is routed and how it uses bandwidth to deliver a low-latency experience workers love. It also extends security to the WAN edge and provides TLS security for direct breakout from branch offices to Microsoft 365.

## How Citrix SD-WAN ensures the best Microsoft 365

- 1) Identifies Microsoft 365 traffic with a physical or virtual appliance.
- 2) Optimizes trusted traffic to the nearest Microsoft 365 front door.
- 3) Steers Microsoft 365 traffic directly to the Internet from branch locations.
- 4) Provides last-mile connectivity with local DNS to Microsoft 365 Cloud Front Doors.<sup>9</sup>



### Groupama Rhône-Alpes Auvergne uses SD-WAN solution for its current and future networks

The Groupama Rhône-Alpes Auvergne (RAA) regional group employs 2,300 staff based in 340 agencies and at other administrative sites. RAA virtualized its network with Citrix SD-WAN, reducing the underlying transport technology (MPLS/internet); using all available connection options (xDSL, fiber optic, 4G); and managing the company's WAN network according to application or infrastructure requirements.

"If we had wanted to provide the same speeds conventionally using our MPLS connections, our telecoms costs would have increased by 80 percent," concludes Laurent Rognard. Citrix SD-WAN has also improved the group's control, increased bandwidth, and enabled the IT team to focus on other duties.<sup>10</sup>

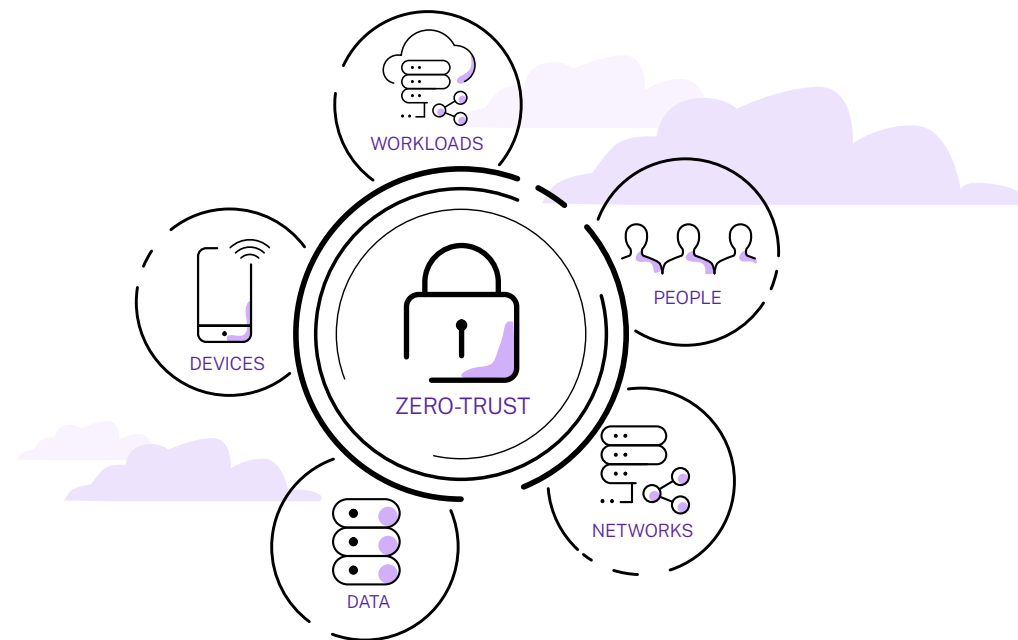
# Managing security with a zero-trust architecture

Security risks and threats are growing, challenging financial services organizations' ability to keep pace. IT organizations have witnessed a rise in phishing, social engineering, credential harvesting, ransomware attacks, and fraud attempts, among other threats. Financial services organizations want to share vital information with partners, while also keeping intellectual property secure from unauthorized access.

In 2020, financial services was the leading industry for cyberattacks, experiencing 23 percent of all attacks. The top three threats were unauthorized server access (28 percent), data theft (14 percent), and ransomware (10 percent ).<sup>11</sup>

Instead of blocking and tackling each threat, organizations are increasingly adopting a zero-trust model, which is based on the principle **“never trust; always verify.”** This includes explicitly and continuously validating identities, devices, and communication between micro-services to immediately detect and prevent unauthorized access attempts and enforcing least-privileged access principles. By so doing, IT can proactively reduce their organizations' attack surface.

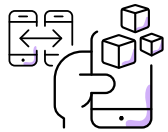
Citrix and Microsoft help IT teams realize their goal of developing zero-trust architectures. **Citrix Secure Workspace Access** and **Azure Active Directory (AD)** provide contextual access management, while Azure AD maintains an up-to-date user and device inventory. Citrix Endpoint Management isolates and protects apps and content across devices and user sessions. Single sign-ons to SaaS and web apps protect the user experience, while integrated security policies and isolated browser sessions for untrusted apps and websites further enhance network security. Finally, Citrix Secure Internet Access, Citrix Gateway, and Citrix Analytics for Security provide a unified, cloud-delivered security stack, with secure remote access and proactive protection.



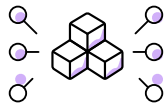
# Integrated security tools from Citrix and Microsoft

Your financial services workforce uses multiple devices every day, from call center workers at home to investment analysts, insurance and branch staff, and remote users who work on mobile devices. As a consequence, your IT organization wants to strengthen endpoint management without harming productivity.

**Citrix and Microsoft Unified Endpoint Management (UEM)** keep your user experience and enterprise security rock-solid in any condition. Citrix and Microsoft UEM offers the widest range of app support and policies, triggering automated actions based on how, when, and where users access apps and data. We create a unified experience for all your technology, including Citrix Workspace, Microsoft tools, and other apps.



Offers 200+ mobile device management (MDM) and 70+ mobile app management (MAM) policies.



Manages every app and endpoint with one unified view.



Uses Microsoft mobile application management and micro-VPN to enhance mobile security.



Benefit from Azure AD Single Sign-on for a better user experience.

***Citrix Endpoint Management was named to Gartner's Magic Quadrant for 2020, IDC Marketscape Worldwide Unified Endpoint Management (UEM) Software 2021 Vendor Assessment, and the Expert Insights' 2021 Cybersecurity "Best-Of" award winners in the categories of Unified Endpoint Management (UEM) and Enterprise VPNs.<sup>12</sup>***

# Citrix Workspace and Microsoft 365 help financial services organizations sustain intensity

When you deploy **Citrix Workspace** with **Microsoft 365**, you get the modern desktop, digital workflows, and intelligence you need to maximize worker engagement and productivity, unlocking new potential for your financial services organization.

Our digital workspace solutions enable your users to do their very best work. And our platform brings the user experience, IT flexibility, and security together to foster innovation, resilience, and business continuity--all while removing the limits of geography, devices, networks, and even clouds to deliver a better user experience.

In conclusion, Citrix and Microsoft offer your financial services organization the opportunity to harness cloud services, scale, and economics to deliver high-performing digital and virtualized workspace solutions. You can unlock the full potential of your workforce to create competitive advantage in the marketplace. IT is empowered to do more with simple processes and centralized visibility and control, enabled by Citrix Cloud. Finally, Citrix Cloud allows you to capitalize on existing investments, enable new scenarios and roll out new workloads to Microsoft Azure, easily driving business growth while meeting your cost objectives.

Evolve your intelligent workspace today.

- ▶ [Learn more](#)
- ▶ [Try a demo](#)
- ▶ [Talk to an expert](#)



## Leading financial services organizations rely on Citrix solutions

- Top 10 largest banks
- Top 10 investment companies
- Top 10 property insurance companies
- Top 10 life insurance companies<sup>13</sup>



## Sources

- 1 Satya Nadella, Microsoft Ignite 2021 address
- 2 The state of remote work, Citrix, eBook, undated, pages 7, 14
- 3 Satya Nadella, Microsoft Ignite 2021 address, ibid
- 4 "Platform for Situated Intelligence," Microsoft, webpage, undated
- 5 Naveen Joshi, "4 ways AR and VR can empower financial services," Allerin, March 13, 2019 and "The Role of Augmented Reality in the Financial Sector, CIOReview, April 7, 2021.
- 6 "Oman's largest bank extends secure and robust banking applications," case study, Citrix, undated.
- 7 "Study Shows Hybrid Cloud Steps Up to Meet Business Needs Amidst COVID-19," news release, PR Newswire, November 18, 2020
- 8 "Create microapps with ease," webpage, undated, Citrix
- 9 Get optimal Microsoft Office 365 performance with Citrix SD-WAN, Citrix-Microsoft eBook
- 10 "Groupama Rhône-Alpes Auvergne uses SD-WAN solution for its current and future networks," case study, Citrix, undated.
- 11 IBM X-Force Threat Intelligence Index, 2021, pages 34-36.
- 12 Gartner Magic Quadrant for Unified Endpoint Management 2020
- 13 "Financial Services," webpage, Citrix, undated.