TEHAMA

An Enterprise Guide to Your New Office:

The Secure Digital Office Platform

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A recent Everest Group

“Around 70 per cent of large enterprises believe most employees won’t have a traditional, physical office space by 2021”

The office as we know it is changing rapidly.

This has been true for years, of course, ever since the first digital computers shook up the modern workplace. But as new technologies, processes, and ways of thinking about work have evolved, this digital transformation of the modern office has only accelerated. Indeed, the next phase may not even involve what we typically think of as “offices” at all – a recent Everest Group report indicates that close to 70 percent of large enterprises believe most employees won’t have a traditional, physical office space by 2021.

That’s a lot of employees to manage who don’t have a well-defined, company-supplied office space. Complicating matters is that most of these workers require the very same level of secured privileged access to corporate networks and information systems as their in-office counterparts.

Why a cloud-based workforce is so compelling

These societal and workplace changes are big reasons why enterprises are increasingly transitioning to a cloud-based workforce. By using a secure and compliant enterprise desktop as a service (DaaS) to facilitate a global workforce they're able to save money, enhance agility, and reduce risk when deploying and managing secure workspaces for both remote and in-office employees (as well as partners and third-party contractors). That means a secure service delivery platform through software-controlled, secure workspaces with firewalls, storage, end-user compute infrastructure, and security and access policies all managed from a single platform.

Secure and compliant enterprise DaaS has in a relatively short time already proven itself superior to other secure networking and desktop infrastructure options, including:

On-premise virtual desktop infrastructure (VDI) or traditional DaaS

While these technologies can be effective, they're not even close to that right out of the box. Neither includes critical features like multi-factor authentication (MFA), anti-virus tools, or secure channels to connect to information systems. They also don't include compliance mechanisms and are missing important security features like firewalls and automated patches and updates.

Virtual private networks (VPN)

At one time VPN was considered state-of-the-art, but that was a long time ago. These days VPN is relatively costly, hard to patch and propagate fixes across multiple devices, and not very secure: once an endpoint is connected to your system via VPN, any malicious files hanging around on that computer have a clear path to the goal (in this case, your systems).

Shipping laptops

Some organizations still rely on the old-fashioned method of physically couriering laptops to remote workers, but at this point, the drawbacks here are pretty well-documented: shipped laptops can get damaged en route, or (even worse) go missing – a situation ripe for data theft. They're also hard to fully manage and keep secure if workers engage in risky online behavior. Equally challenging is recovering laptops from employees and contractors at the end of an assignment.

The above alternatives all have another big drawback: their speed of deployment (or lack thereof). Anyone who has provisioned secure access to company information systems and business applications for third parties knows how time-consuming it can be: in many cases onboarding a new vendor can take more than half a year, leading to frustrated staff, delayed projects, and damage to the company's brand.

With this in mind, it probably goes without saying that enterprises must find ways to accelerate and simplify the onboarding of external remote workers and external organizations, while also providing secure access to mission-critical and data-sensitive systems.

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Tehama enterprise DaaS: Your Secure Digital Office Platform (SDOP)

The number of companies running on-premise server rooms are dwindling rapidly in favor of those with their data in the cloud. And for good reason: migrating to a managed cloud service can help lower costs while increasing flexibility, scalability, and security. The same can be said for a cloud-based workforce using secure and compliant enterprise DaaS.

Users can remotely access a highly available virtual computer with all the power they need, wherever they are – even if their actual physical device is out of date, and local internet connection isn't great – but without all the extra risk or delays that come with other networking and desktop infrastructure solutions. Employees can avoid commuting time and access a secure, authenticated virtual desktop in a single click.

What it IS

A secure and compliant cloud environment that supports remote and hybrid workforces by being easy to set up, easy to scale, and offering incredible performance and computing power.

What it is NOT

- A shared office space or workspace solution
- A solution requiring any hardware investments or subject matter expertise
- A video conferencing solution or office social network

Who benefits most at your organization?

While the secure digital office platform helps relieve the intense pressure and cost issues facing IT teams, the reality is anyone at your organization who uses a computer will benefit from a secure digital office platform. Here are the employees who benefit most from an SDOP, along with some of the main benefits:

IT teams

No need for multiple vendors or multiple point solutions to manage

All infrastructure is managed centrally by the provider, so internal teams are not responsible for managing rackspace, hardware breakdown, or maintenance

The storing of user data and services/applications upgrades are also handled by the provider

Since enterprise DaaS offers great performance on any device, IT teams don't need to deal with laptop refresh strategies anymore

Out-of-the-box security and compliance tools including privileged access protocols, a Zero-Trust network model, and down-to-the-keystroke audit trails and access logs

No IP or data theft if a company machine is lost or stolen

No need to track endpoint antivirus compliance (it's all done automatically)

No need to manage remote laptop replacement or repairs

Everyday users

Can log into a secure, compliant, powerful virtual desktop environment from any device – anywhere – with a single click

Consistent user experiences with easy-to-navigate user interface, including fully responsive site design to accommodate all screen sizes

For users with high performance requirements such as video game design or media and entertainment, SDOP supports rendering and compiling, HPC sandbox environments, GPU workloads, and multi-monitor setups

No need to receive and set up new computer equipment

No need for restrictions on app or software installations on their local machine

Finance

Far less total cost of ownership (TCO) than CapEx investments and fewer IT headcount required

No need to purchase hundreds of new laptops (again and again) in a challenging supply chain environment due to the pandemic

HR

Issues with shipping hardware to remote staff can cause a big drop in productivity

No more having to collect company equipment from former employees (who may be halfway across the country… or the world)

Combining brick-and-mortar security with the convenience of cloud

Secure and compliant enterprise DaaS is like a virtual 11th floor of your office's 10-story building – a secure digital office platform. Because onboarding and scaling global teams takes minutes instead of months, bringing your latest contractor online doesn't take much more time than riding the elevator to the next floor. And thanks to its robust security services and features, secure and compliant enterprise DaaS virtually mimics the physical security posture of your company's brick-and-mortar office, including:

Secure perimeters

Secure perimeters, automated encryption, continuous malware protection, and network segregation act very much like the solid walls of a physical office.

Fast onboarding

We alluded to this above, but onboarding remote employees takes about the same amount of time and effort as does the physical onboarding of an in-office employee by HR (minus all the awkward greetings and handshakes).

Credentials management

Strict access requirements for system or application access, including MFA and least privilege permissions, act like key fob or badge systems at your office door to ensure employee access only. Anything else is akin to handing out office keys to a complete stranger.

Session recordings and activity streams

Down-to-the-keystroke, perfectly witnessed recordings of work sessions within secure online rooms (along with the ability to play back and view all activities that have gone on) are like the CCTV cameras that populate most modern office buildings.

Tehama's secure digital office platform helps organizations be more agile while reducing costs. Organizations also don't have to displace other technologies to use Tehama – It's delivered as a service and easily integrated with other solutions, and is easily introduced in parallel with other systems. It leverages best-of-breed technology such as Teradici PCoIP Ultra and Amazon WorkSpaces, including its EC2 G4 instance, providing users the flexibility and power to handle practically any high-performance computing use case from virtually any endpoint.

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Some use cases to consider

A cloud-based workforce through secure and compliant enterprise DaaS is helping enterprises in every vertical who require a cost-effective solution that is on-demand and within minutes.

Supply Chain Security

Global Workforce Enablement

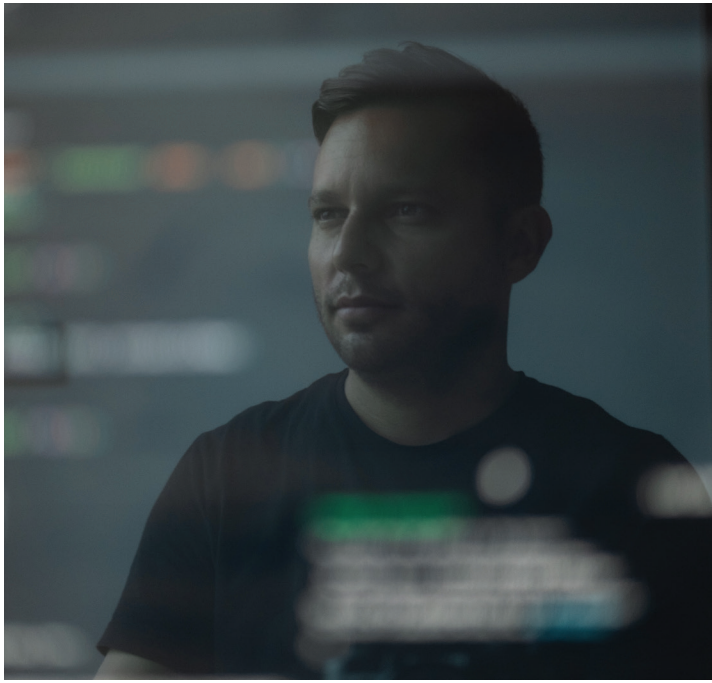
Compliance through PII & IP Protection

Business Continuity (BC) and Disaster Recovery (DR)

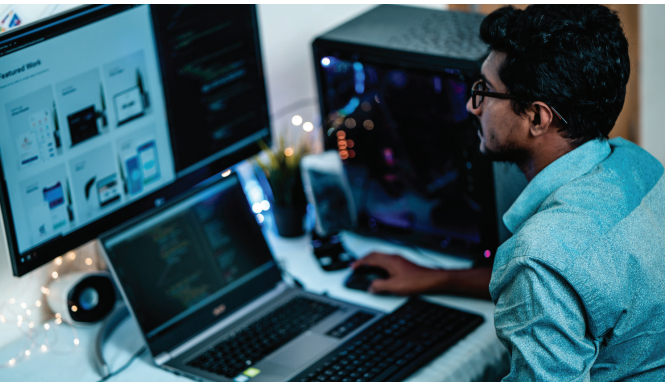
High Risk Region Operations

Supply Chain Security

A recent Ponemon Institute survey indicated that while security and risk professionals share confidential and sensitive information with an average of 583 third parties each, only around one-third of them keep a full inventory of these connections (for Nth connections, or third parties of third parties, that number shrinks to 15 per cent). Perhaps the most powerful benefit of a secure and compliant enterprise DaaS solution is the security it can provide your services supply chain thanks to features like built-in automated compliance tools and the credentials vault, lowering the risk posed to corporate supply chains by small vendors (and all-too-common employee “workarounds” to strict processes).



According to Gartner Inc., the most significant challenge faced by most Chief Procurement Officers (CPOs) is the time and complexity involved in onboarding third-party partners and vendors. Added to these challenges are the inherent security risks involved: credential abuse, data theft, legacy hardware or software vulnerabilities, and cost constraints are all conspiring to poke holes in your security perimeter. Secure and compliant enterprise DaaS I enables enterprises to securely onboard third-party vendors and consultants in just minutes, allowing you to quickly spin up virtual private rooms where teams can collaborate on virtual desktops.



Global Workforce Enablement

Experts have been saying for a while now that end-user computing (EUC) is on the edge of major disruption, with industry leaders like Cisco predicting the number of embedded networked sensors will reach one trillion by 2022. That’s a ton of extra devices for enterprises to upgrade, secure and manage – especially for companies with large, remote workforces spread across various geographies – which is a big factor why end-user computing is quickly becoming too costly and complex for many organizations. It’s also why many of these same organizations are implementing secure and compliant cloud VDI – it’s less costly, and far easier and faster to implement and manage, for the reasons we’ve mentioned above.

Compliance through PII & IP Protection

Compliance has been a must for companies in heavily regulated industries like banking, financial services, health care, energy and utilities for decades. But thanks to new, strict privacy rules like the General Data Protection Regulation (GDPR) and California Consumer Privacy Act (CCPA), virtually every company with an online presence now needs to be concerned about compliance – and it's a lot less expensive to get and stay compliant than it is to be found non-compliant. Your desktop infrastructure solution must be SOC 2 Type II compliant by including built-in compliance tools able to meet the most stringent rules such as those set out by HIPAA, FIPS, PIPEDA, and NERC.

- ✔ GDPR
- ✔ CCPA
- ✔ SOC 2 Type II
- ✔ HIPAA
- ✔ FIPS
- ✔ NERC

Business Continuity (BC) and Disaster Recovery (DR)

DaaS has been the go-to desktop infrastructure solution for BC and DR ever since it replaced unsecure personal devices and residential WiFI networks. But DaaS, too, has a fatal flaw: these systems assume everything inside an organization's network is trustworthy, a blind spot that's being increasingly challenged by sophisticated attacks and insider threats.

An enterprise DaaS secure service delivery platform can perform under pressure when disaster strikes by

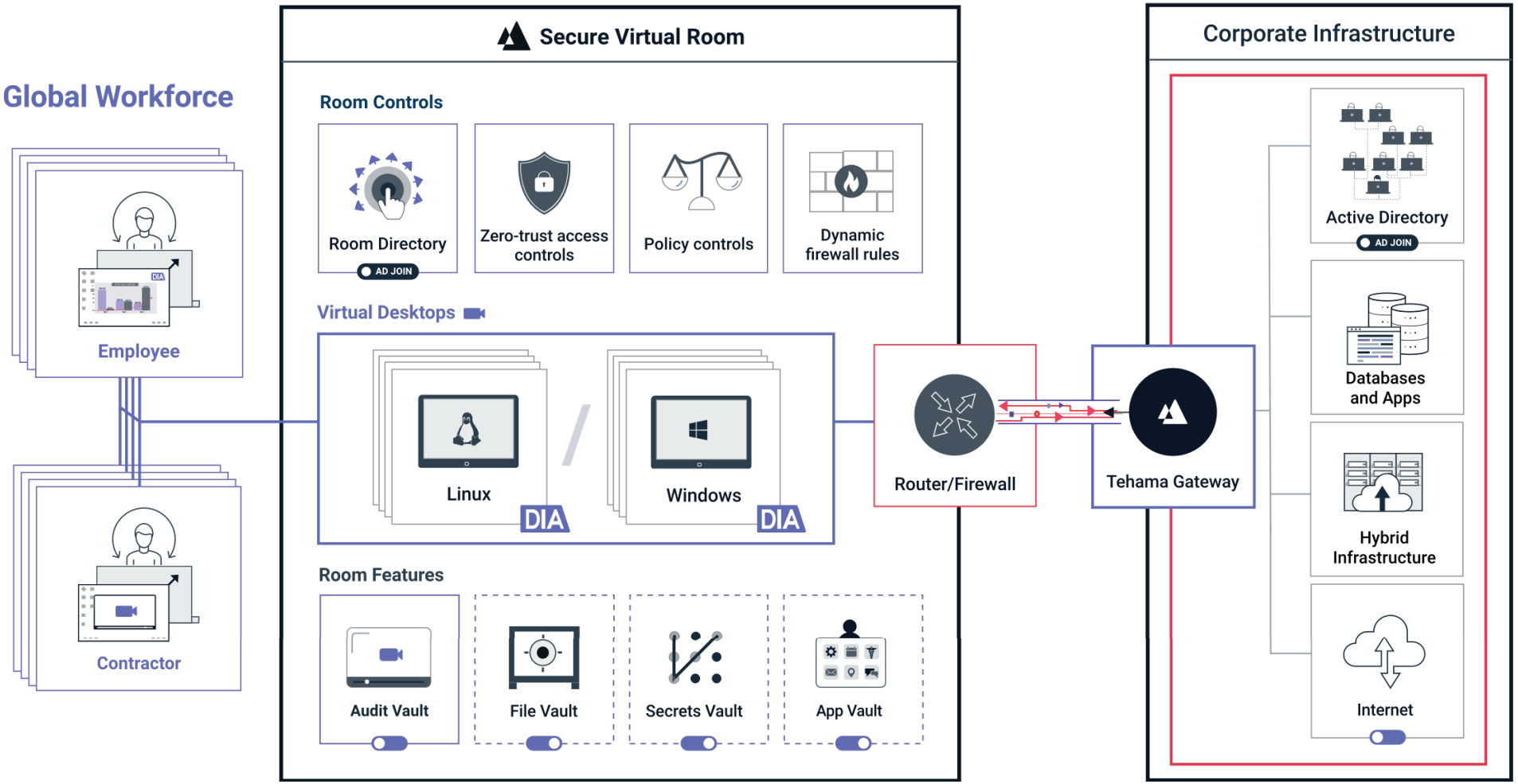
- ✔ **Providing an on-demand, backup virtual workplace**
- ✔ **Secure, remote access to corporate systems**
- ✔ **Detailed logging and auditing to ensure granular control over the remote work environment**

High Risk Region Operations

The same features that make secure and compliant enterprise DaaSI such a solid BC and DR platform are why it's tailor-made for companies with operations in high-risk regions or geographies such as those prone to natural disasters, political instability and even military operations. Today's global talent is scattered across the globe – often in politically distressed areas – yet organizations must leverage that talent to meet their business objectives. Secure and compliant enterprise DaaSI enables organizations to quickly leverage specialized skills from any location on the planet with an internet connection, without fear or malware, spyware, or data breaches thanks to enterprise DaaS's compliance and security barriers and layers.

Tehama: The world's first and only Secure Digital Office Platform (SDOP)

The reality, however, is that most traditional VDI or DaaS vendors simply don't or can't offer the security or management options required to be considered a true Secure Digital Office Platform. Tehama's secure and compliant cloud VDI solution provides a secure service delivery platform that's so unique and effective, it's practically created a new technology category by saving users time and money on day one, while eliminating the technical and logistical complexity of shipping laptops or building out VDI infrastructure, enable VPNs, and establishing physical offices.



Tehama eliminates roadblocks by making it efficient and secure to access and engage a global workforce, automating the management of vendors, and ensuring all access – and work completed on the platform – is secure, monitored and audited. Tehama provides secure and efficient onboarding of talent while easing the burden of regulatory compliance – getting developers and IT staff back to true productivity.

Contact us at sales@tehama.io for more information on what Tehama can do for your organization, or click here for your

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