

End User Virtualization on Azure



Techrupt Digital Inc.



Secure, Scalable Virtual Desktop Infrastructure for Modern Workforces

What is End User Virtualization?

Virtual Desktop Infrastructure (VDI) centralizes desktop environments on servers, enabling secure remote access and simplified management across devices. Azure Virtual Desktop offers scalable, multi-session Windows experiences with seamless Microsoft 365 integration.

Azure Virtual Desktop Advantage

The only cloud VDI solution fully optimized for Windows 11 and Windows 10 multi-session, delivering affordable secure remote desktop and application experiences with the scale, security, and cost benefits of Azure.

Hybrid Integration

Azure Virtual Desktop for Azure Local extends virtualized desktops to on-premises infrastructure

Remote App Streaming

Deliver applications to external users as Software-as-a-Service through secure virtual machines

Microsoft Dev Box

Ready-to-code, project-specific workstations preconfigured and centrally managed in the cloud

Azure Virtual Desktop

Comprehensive desktop and app virtualization service with built-in security and Microsoft 365 optimization

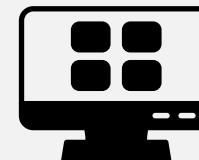


Azure Virtual Desktop Architecture : Complete End-to-End Solution

SESSION HOSTS
Windows 11/10 multi-session
Windows Server environments
Automated scaling
Custom configurations

CONTROL PLANE
Microsoft-managed infrastructure
Load balancing & gateway
Connection broker
Global diagnostics

USER ACCESS
Native clients (Windows, Mac, iOS, Android)
HTML5 web browser access
Azure AD integration
Multi-factor authentication



Cross-Platform Access

Full-featured apps accessible from Windows, Mac, iOS, Android devices and modern web browsers

Multi-Session Technology

Windows 10/11 Enterprise multi-session runs only on Azure Virtual Desktop, delivering server-scale with client experience

MSIX App Attach

Dynamic application delivery separating apps from OS, reducing infrastructure requirements and sign-in time

Global Deployment

Deploy virtual infrastructure in secured Azure regions worldwide for optimal user experience

Enterprise Security

Azure Private Link, RDP Shortpath, and built-in threat intelligence provide comprehensive protection

Microsoft 365 Integration

Optimized for Teams, OneDrive, SharePoint with enhanced performance for collaboration tools



Critical End User Computing Challenges

Without proper end-user virtualization strategy, organizations face decreased productivity, increased security incidents, higher IT operational costs, and inability to support flexible work arrangements that modern employees expect.

Remote Work Infrastructure Gaps

Organizations lack adequate technology infrastructure to support complete transition to remote work, with employees experiencing limited network quality and round-trip latency affecting productivity.

Security & Compliance Risks

Personal devices accessing corporate data create vulnerabilities with no guarantee of security policy adherence. Traditional VDI solutions provide "illusion of isolation" without proper security checks.

Software Licensing Complexity

Remote work requires licensing applications on both home and work computers, complicating license tracking and compliance. Organizations struggle to differentiate between corporate and personal software.

Performance & User Experience

VDI performance suffers due to network latency and inadequate home device computing power. Graphics-heavy applications like CAD/CAM often work poorly or not at all in traditional virtual environments.

IT Support & Management

Help desk lacks direct knowledge of users' home devices, making technical support time-consuming. Managing updates, configurations, and troubleshooting across diverse personal equipment is inefficient.

Scalability & Cost Management

Scaling VDI solutions requires expensive server and networking infrastructure investments. Hidden costs account for 35-40% of total VDI ownership, including hardware replacements and ongoing maintenance.



Proven Azure Virtual Desktop Results

Centralized management reduces time spent on individual device maintenance, updates, and troubleshooting. Automated scaling and policy-based management free IT teams for strategic initiatives.



IT Operational Efficiency

Zero-trust security model with multi-factor authentication, conditional access, and centralized data storage significantly reduces security breaches and compliance violations.



Security Incident Reduction

Disaster recovery capabilities and high availability ensure minimal downtime. Users can quickly reconnect from alternative devices without data loss during hardware failures.



Business Continuity Improvement

Organizations can rapidly deploy desktop environments for temporary workers, contractors, or new hires in minutes rather than days, improving business responsiveness to changing demands.



Scalability & Agility

Employees gain up to 9 hours per week in productivity for highly mobile workers through consistent desktop experience across devices and locations, with seamless access to corporate applications and data.

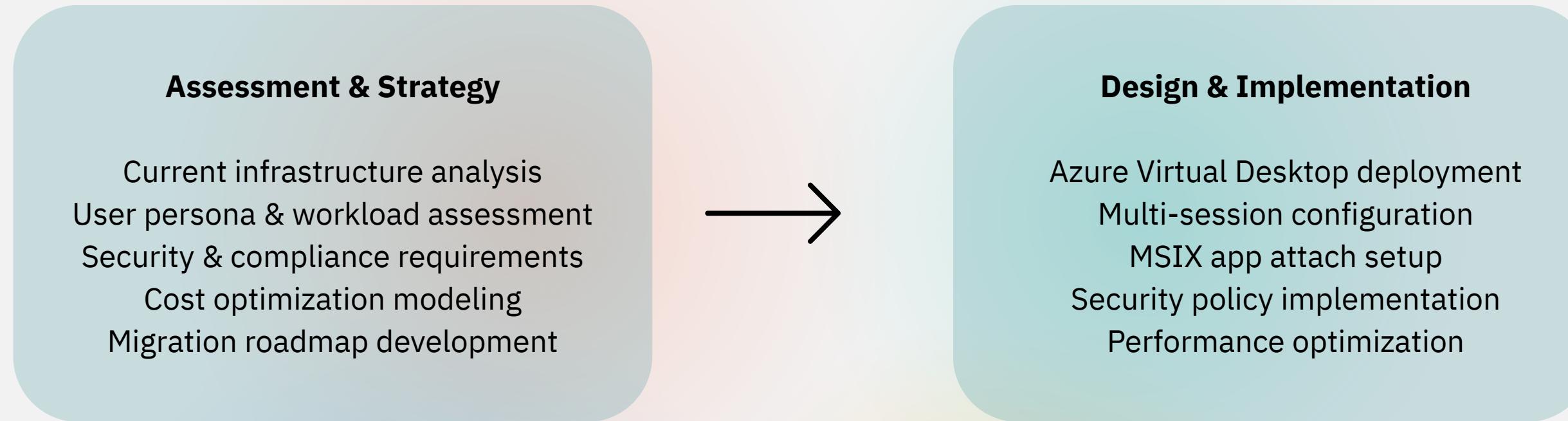


User Productivity Enhancement



Our Azure Virtual Desktop Service

Our service leverages the complete Microsoft ecosystem including Azure AD, Microsoft 365 optimization, Azure Security Center, Azure Monitor, and Azure Cost Management to provide a unified, enterprise-grade virtual desktop solution that scales with your business needs.



Scalable Virtual Infrastructure	Fully configured Azure Virtual Desktop environment with automated scaling, load balancing, and disaster recovery capabilities tailored to your organization's specific requirements.
Security & Compliance Framework	Zero-trust security implementation with Azure AD integration, conditional access policies, multi-factor authentication, and compliance controls for your industry requirements.
User Experience Optimization	Customized desktop images, application virtualization through MSIX app attach, and performance tuning to deliver native PC-like experience across all devices and locations.
Operational Excellence	Monitoring dashboards, automated backup strategies, cost optimization recommendations, and comprehensive documentation with staff training and knowledge transfer.

WHY TECHRUP?

Innovation

We embrace change and are constantly exploring new and better ways to deliver value to our clients. We foster a culture of creativity and encourage our team to think outside the box

Collaboration

We work closely with our clients, partners, and team members to achieve common goals. We believe in the power of collaboration and the collective intelligence that comes from diverse perspectives.

Business Excellence

We are committed to delivering excellence in everything we do. We strive for excellence in the quality of our services, the relationships we build, and the outcomes we achieve



24/7 Expert Team

Dedicated Microsoft-certified cloud architects and security specialists who understand your business, not just your technology.

Security-First Mindset

Enterprise-grade security isn't optional—it's foundational. Our Zero-Trust implementation, 24/7 Security Operations Center, and compliance expertise ensure your business can innovate confidently without compromising on data protection or regulatory requirements.

Our Clients



CloudAcademy

WORK SAFE BC



contracts³⁶⁵

