



# Parallels®

Parallels RAS  
Simplified remote  
access to  
virtual apps  
and desktops



**Eddie Wright**  
Channel Manager UKI & Nordics  
(Sweden)  
[eddie.wright@parallels.com](mailto:eddie.wright@parallels.com)



**Kent Söderlund**  
Business Developer Client, ALSO  
[Kent.Soderlund@also.com](mailto:Kent.Soderlund@also.com)



**Louis Göhl**  
Senior Sales Engineer, Benelux  
[louis.gohl@parallels.com](mailto:louis.gohl@parallels.com)

# Agenda

1. Parallels at a glance
2. Parallels Portfolio
3. Key features & Architecture of Parallels RAS
4. Microsoft AVD integration
5. Demo
6. Migration steps
7. Next Steps

# Parallels: Who we are

Since 1999, Parallels® has pioneered virtualization solutions. Today, Parallels is a global leader in cross-platform solutions, enabling millions of business and individual users to access and use the applications and files they need using any device, anywhere, any time.



**Global presence**  
140+ countries  
5,000 + channel partners




**Global trust**  
20% of Fortune 500



**B2C**  
2+ million individuals

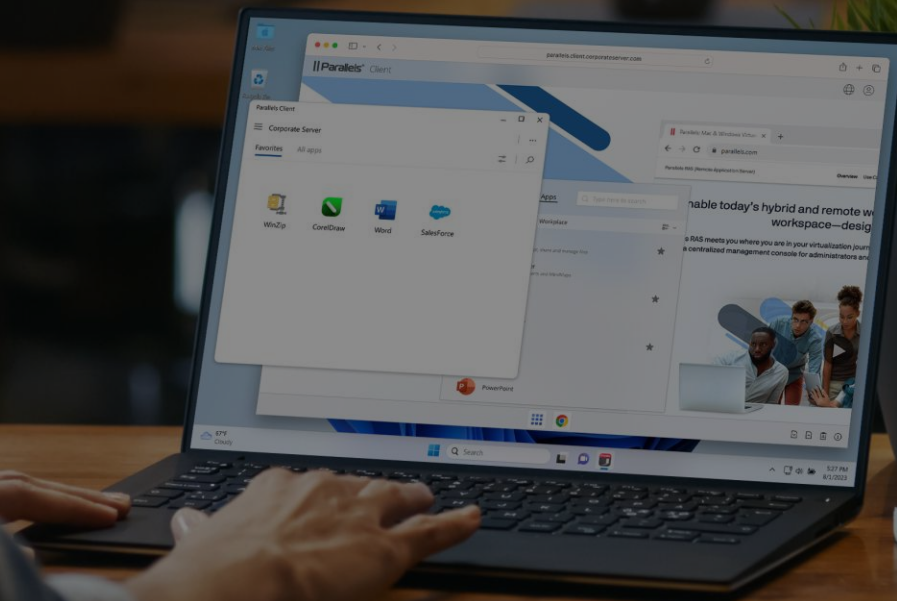


**B2B**  
50,000+ businesses



**On-Device**  
**On-Premises**  
**Cloud**

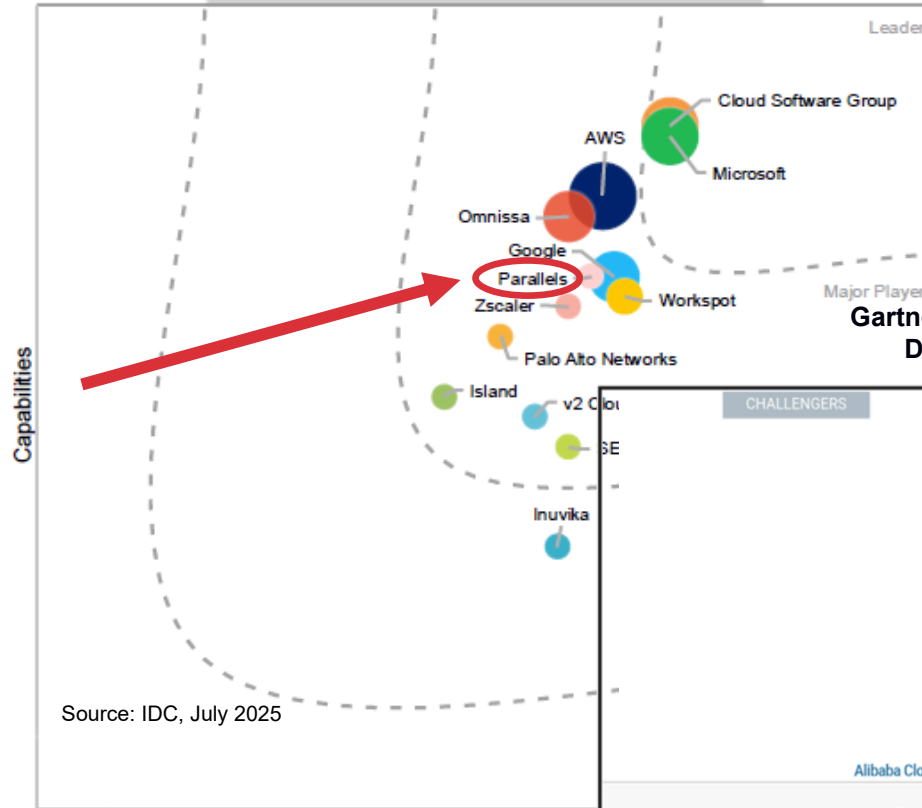
# Industry recognized



# Industry, Analyst, and marketplace achievements for 2025

- Recognized in **Gartner MQ 2025** for **Desktop as a Service** as **Visionary**.
- Recognized in **IDC Marketscape 2025** as a **Major Player** in Application Streaming and Enterprise Browsers.
- Parallels **RAS Azure Marketplace** now approved for **MACC**.
- Received **SOC2** for Parallels RAS and PBI.

IDC MarketScope Worldwide Application Streaming and Enterprise Browsers Vendor Assessment



Gartner Magic Quadrant™ for Desktop as a Service



# Part of a broad and expanding ecosystem





B2B

Parallels

Portfolio

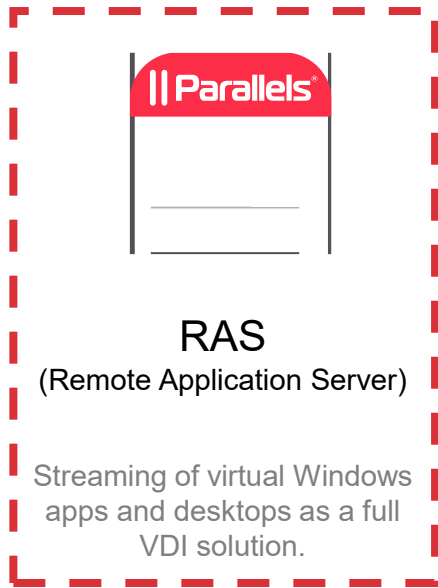
# Parallels Solution portfolio

Parallels solutions provide end users with the flexibility to work from any device, anywhere, while providing organizations with a simple, secure way to enable and manage access to critical business tools and data.



**Desktop for Business**

On-device virtualization to run Windows apps and desktops on macOS, and ChromeOS.



**RAS**  
(Remote Application Server)

Streaming of virtual Windows apps and desktops as a full VDI solution.



**DaaS**  
(Desktop as a Service)

Streaming of virtual Windows apps and desktops as a cloud-native DaaS solution.



**Secure Workspace (PSW)**

Zero Trust Network Access (ZTNA) to internal resources – apps, desktops and files.



**Browser Isolation (PBI)**

Isolation of Internet traffic through Remote Browser Isolation (RBI).

End User Computing | virtual Client Computing

Secure Network Access



**Global presence**

140+ countries  
5,000 + channel partners



**Global trust**

20% of Fortune 500



**B2C**

2+ million individuals



**B2B**

50,000+ businesses



**On-Device  
On-Premises  
Cloud**

# What is Parallels **RAS**?

An all-in-one solution that provides secure access to virtual desktops and applications from any device, anywhere.

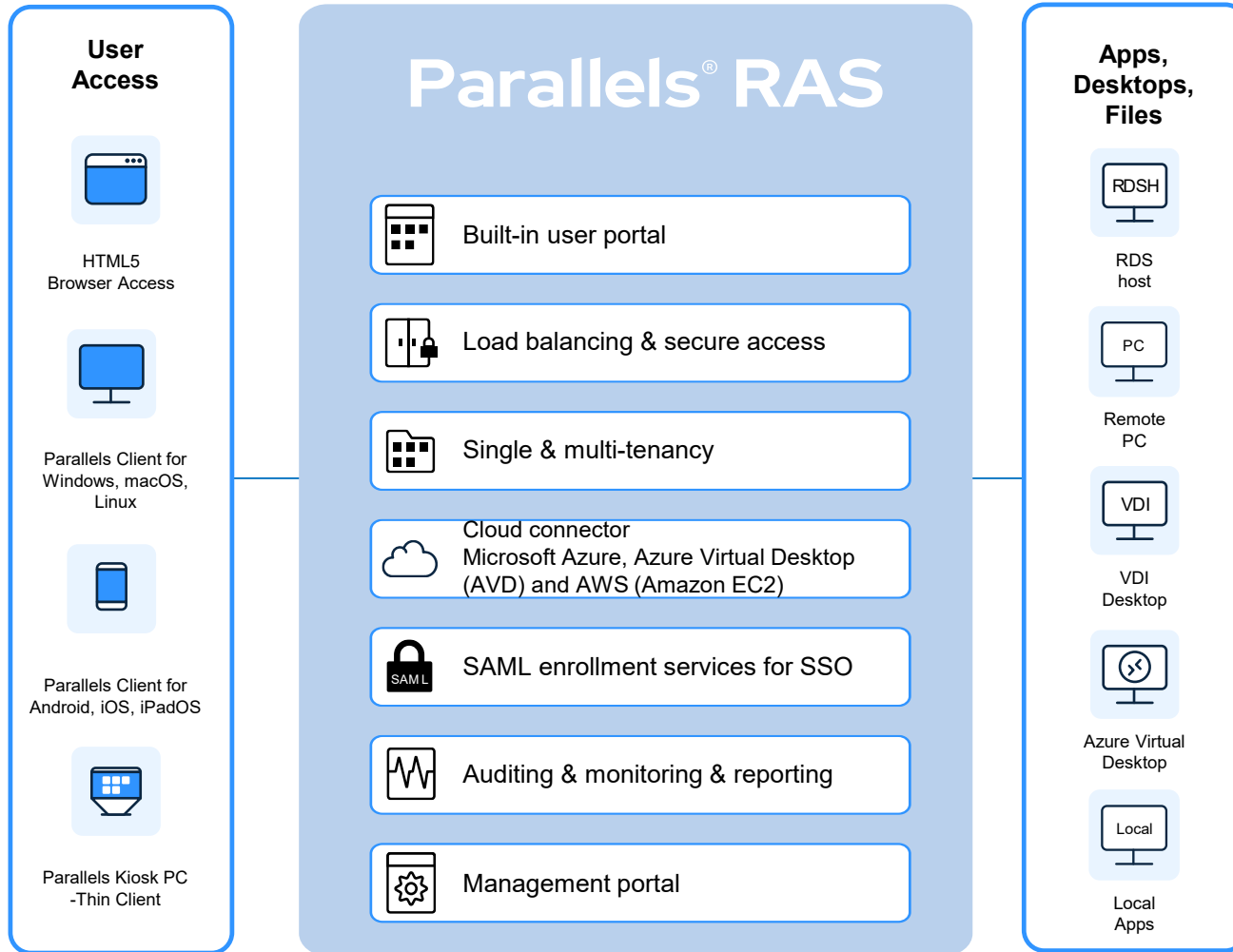
- Deploy on-prem, public, or hybrid cloud
- Centrally manage multi-cloud resources
- Flexible to scale, including auto-scaling
- Multi-tenant architecture for MSPs or larger enterprises
- Any device access via browser or client
- Security capabilities built-in
- Strong TCO
- 24/7 support included



# Parallels RAS key features

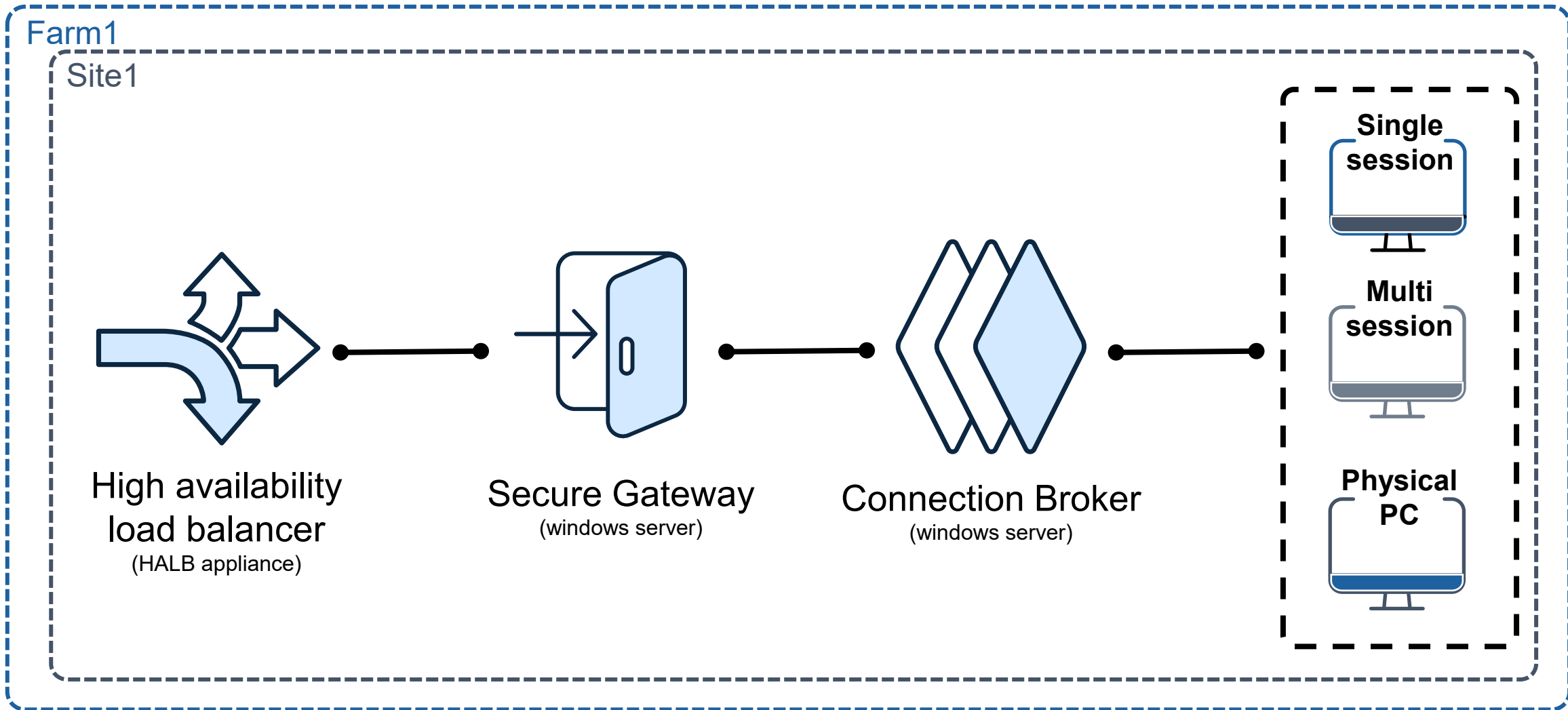
Simplified	Flexible	TCO	User Experience	Security
<ul style="list-style-type: none"> <li>✓ Client autoconfiguration</li> <li>✓ Rest API and PowerShell</li> <li>✓ Single management console</li> <li>✓ Wizard-based deployment</li> <li>✓ Single or multi-tenancy</li> <li>✓ Template versioning</li> <li>✓ Built-in FSlogix profile and container support</li> <li>✓ Integrated MSIX app attach</li> </ul>	<ul style="list-style-type: none"> <li>✓ Hybrid by design</li> <li>✓ Leading hypervisor compatibility</li> <li>✓ Azure Virtual Desktop (AVD) integration</li> <li>✓ Amazon EC2 support</li> <li>✓ Seamless Microsoft Azure integration</li> <li>✓ No hypervisor/platform lock-in</li> </ul>	<ul style="list-style-type: none"> <li>✓ Competitive licensing</li> <li>✓ No expensive add-ons</li> <li>✓ Quick, effective onboarding and training</li> <li>✓ One license model</li> <li>✓ Fast and efficient deployment</li> <li>✓ 24/7 technical support</li> <li>✓ Reduced infrastructure complexity</li> </ul>	<ul style="list-style-type: none"> <li>✓ Bidirectional audio</li> <li>✓ Quick keypad</li> <li>✓ Native gestures</li> <li>✓ Drag and drop</li> <li>✓ Ultra-fast login</li> <li>✓ Printing and scanning</li> <li>✓ Branded user portal</li> </ul>	<ul style="list-style-type: none"> <li>✓ SSL/TLS 1.3 support</li> <li>✓ User monitoring and forensics</li> <li>✓ Build in MFA</li> <li>✓ Secure external access</li> <li>✓ External IdPs for SSO</li> <li>✓ FIPS 140-2 compliance</li> <li>✓ Auditing and logs</li> <li>✓ Let's Encrypt integration</li> </ul>

# Simple, flexible and scalable architecture

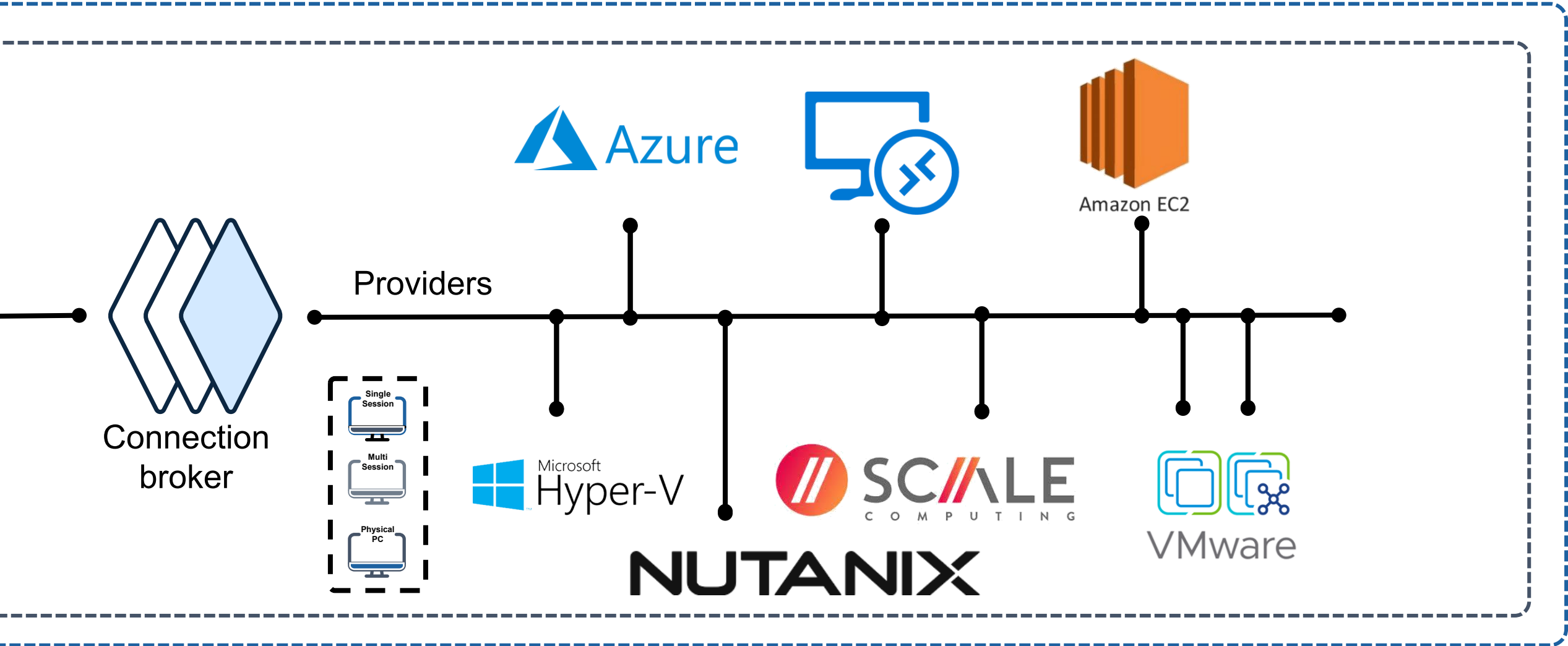


- Access via rich client or browser
- Configure and manage virtual app and desktop workloads located on-premises or cloud, including Azure Virtual Desktop
- Alternative for Citrix Virtual Apps & Desktops or VMWare Horizon
- Focus on easy management, cost, security, and performance
- Complete solution, including components like monitoring, reporting, load balancing, SSL-Offloading, device management and built-in security.

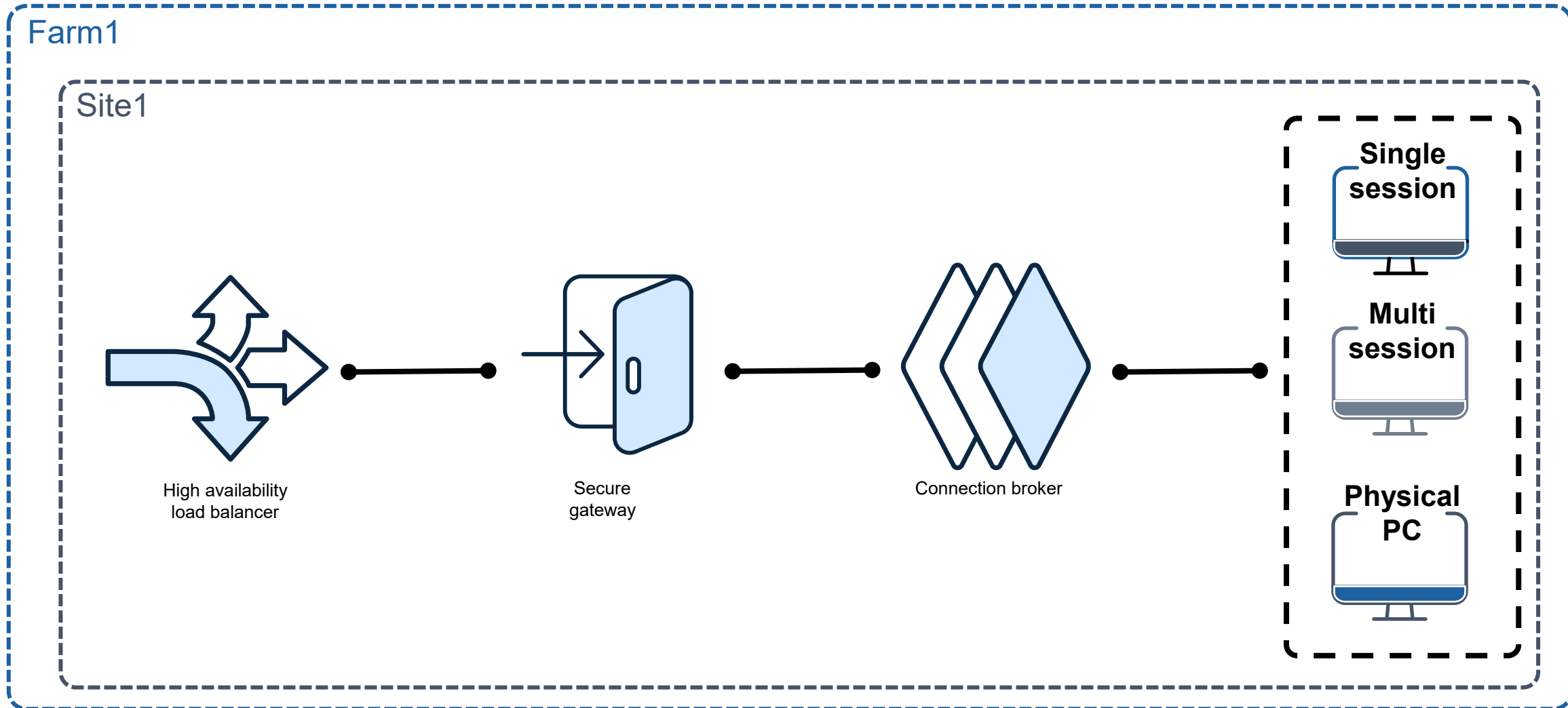
# Core architecture



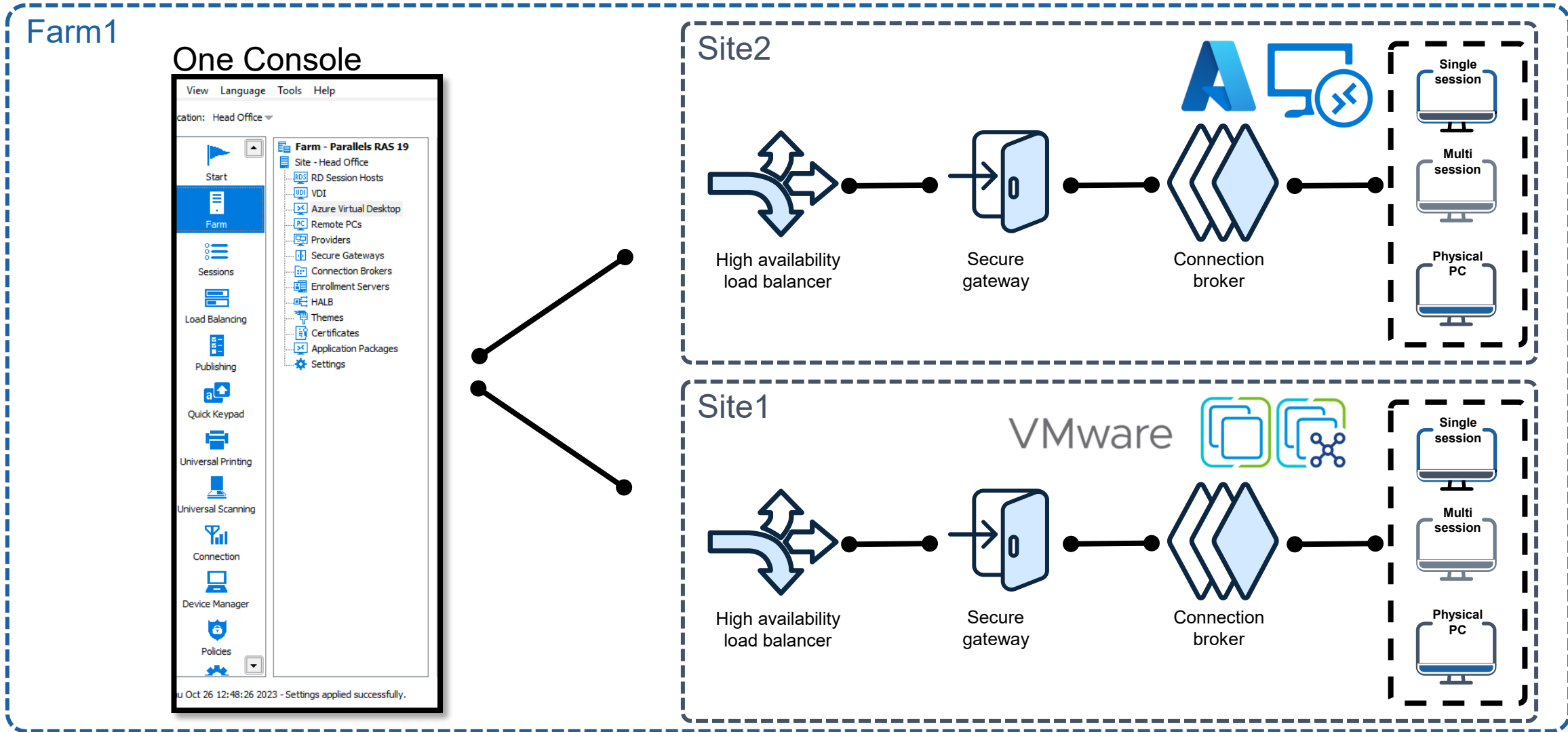
# Core architecture



# Core architecture



# One console — multiple sites



The background of the slide is a dark blue gradient with a complex, organic pattern of overlapping, wavy, ribbon-like shapes that create a sense of depth and movement. The text is positioned on the right side of the slide, overlaid on the blue background.

# Integrate Azure Virtual Desktop

*\* Based on unoptimized AVD*

*\*\* Estimate based on reduced time to deploy, no more trial-and-error management, driven by intuitive and wizard-driven RAS management console (incl. FSLogix config and MSIX app attach).*

## Hassle-free hybrid cloud deployments



Easily combine on-prem or other public clouds with AVD from the RAS console without additional license fees.

## Up to 79% Azure cost reduction



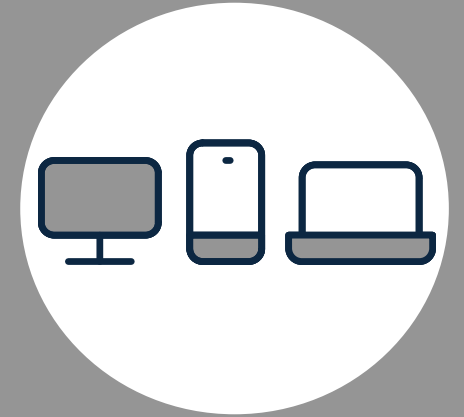
With optimization features, reduce Azure compute and storage consumption cost by ~ 54% -79%\*.

## Rapid deployment & easy management



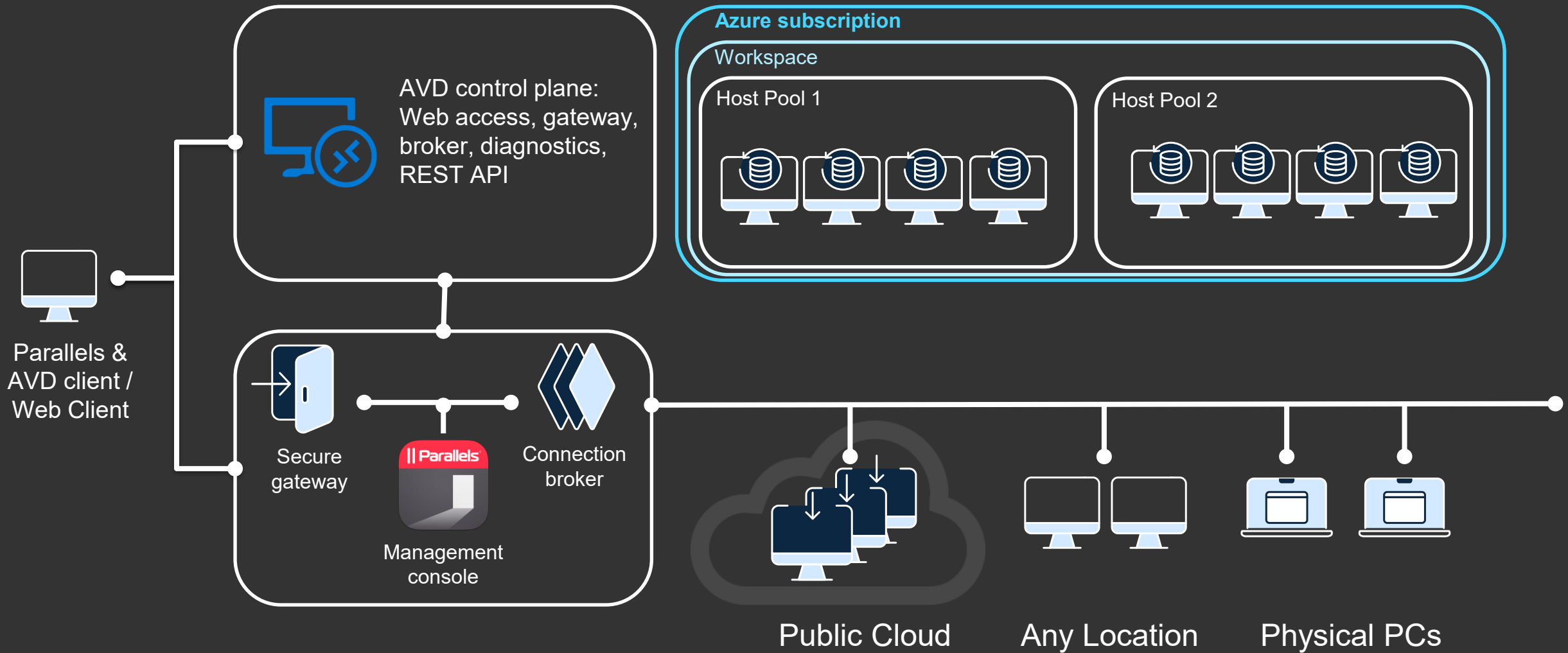
Reduce time spent on maintenance and troubleshooting tasks by ~50% -70%\*.

## Enhanced user experience



Go beyond the native AVD experience with universal printing, session prelaunch, drag & drop, and accelerated file retrieval

# Architecture overview Parallels RAS and AVD



# AVD integration in Parallels RAS

Demo:  
Azure  
Virtual  
Desktop  
Integration  
in action

# The freedom of choice

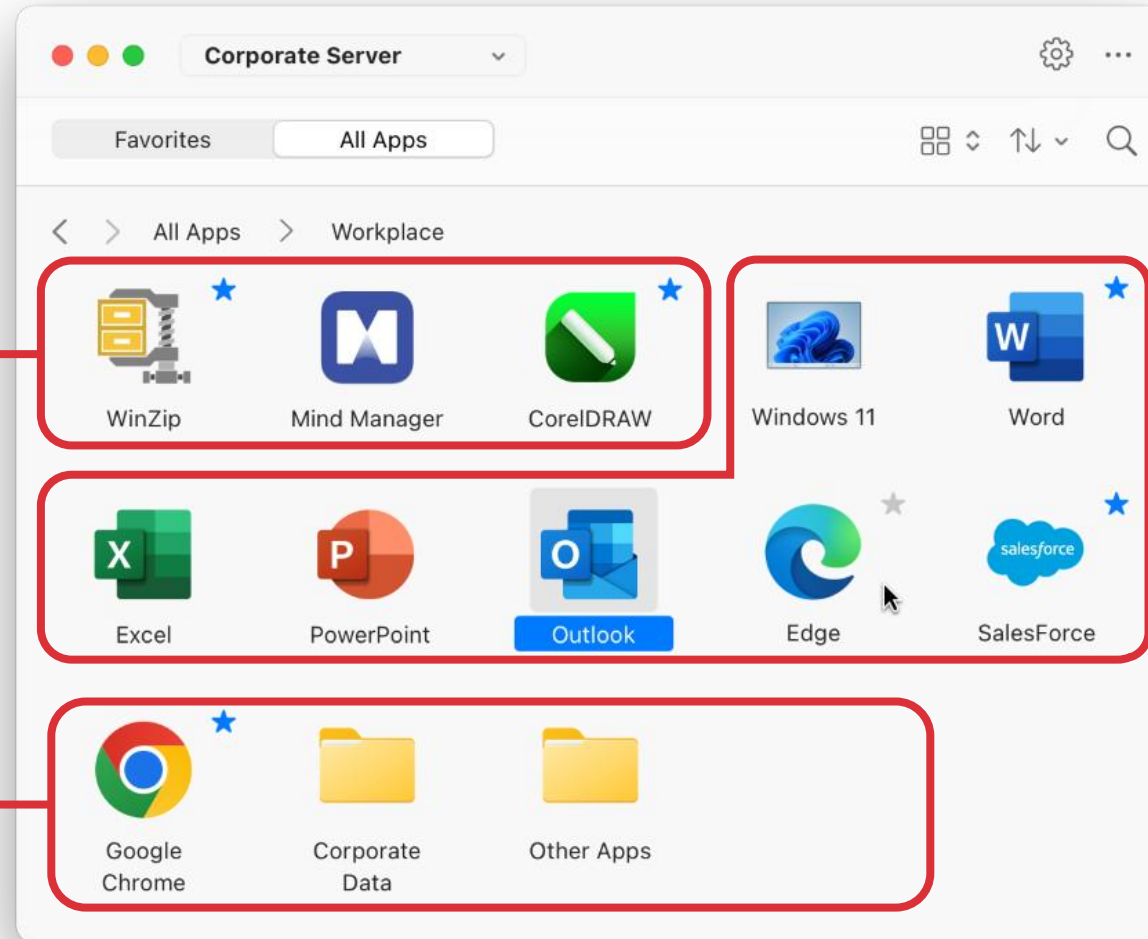


The screenshot displays the Parallels RAS Management console interface. On the left, a navigation pane includes options like Start, Farm, Sessions, Load Balancing, Publishing, Quick Keypad, Universal Printing, Universal Scanning, Connection, and Device Manager. The main area is titled 'Published Resources' and is divided into three red-bordered sections: 'Standard Apps' (listing items like 'What's New in RAS 19', 'Windows 10', 'Windows 11', etc.), 'Windows Server 2022' (listing 'Firefox (MSIX)', 'Word', 'Excel', etc.), and 'MindManager 21' (listing 'MindManager 21', 'MindManager Snap 21', etc.). The 'MindManager 21' section is selected, and its configuration is shown in the right-hand pane. This pane has tabs for 'Information', 'Publish from', 'Application', 'Filtering', 'Routing', 'Shortcuts', 'File extensions', and 'License'. The 'Application' tab is active, showing fields for Name (MindManager 21), Description (Application), Run (Normal Window), Status (Enabled), and Host settings (Host(s), Target, Start in, Parameters). A red line connects the 'MindManager 21' entry in the 'Published Resources' list to the 'Name' field in the 'Application' settings pane.



# The freedom of choice

Microsoft  
Hyper-V



NUTANIX

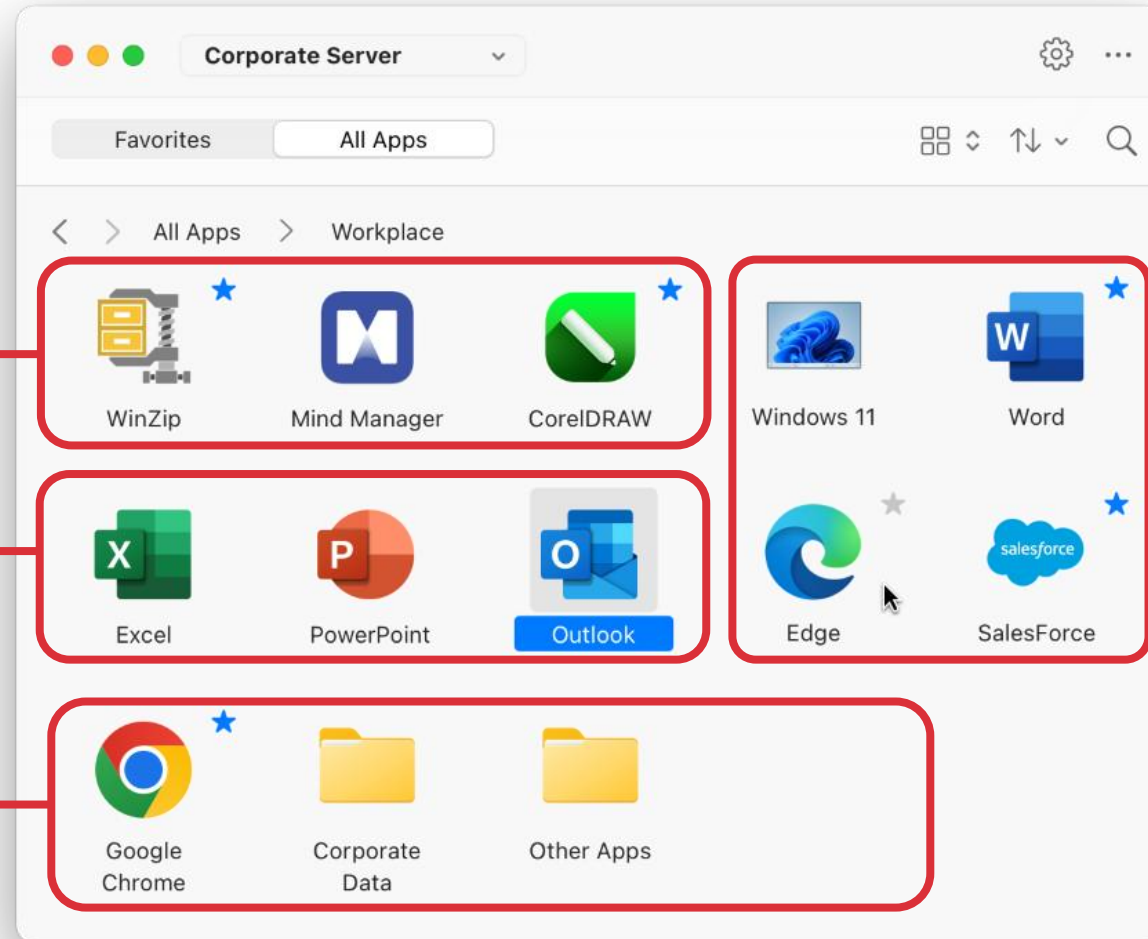


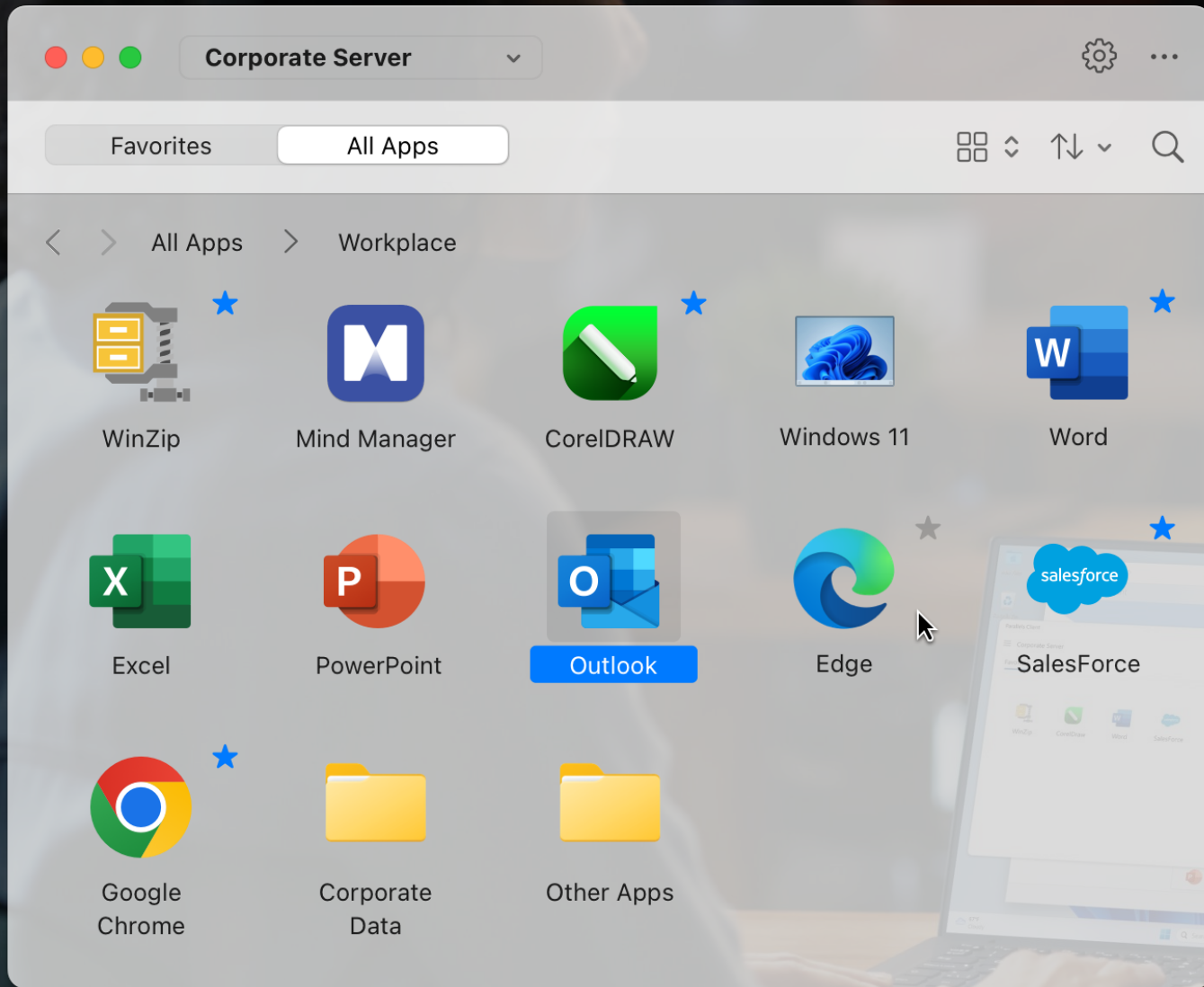
# The Power of Choice. Including Local Apps

Microsoft  
Hyper-V

Local Apps

NUTANIX





# Parallels RAS Demo





# 30-60-90 day migration Plan

# Citrix To Parallels RAS Migration Timeline

T-30 Days

T-60 Days

T-90 Days

## The T-30-Day Migration: The Emergency Cutover

- No POC, direct production install
- Typically done via in place migration scenario <sup>(1)</sup>
- Simple Environments up to 3000 users<sup>(2)</sup>
- Preferably single use Case: RDSH Apps or VDI
- Focus on in-site HA, Multi Site / DR done after user migration
- Focus on Native device or Web client testing
- Testing done live in Production with small group of friendly users
- Typically done with big-bang migration
- Typically done with Parallels Migration services<sup>(3)</sup>
- Requires high customer involvement and commitment

## The T-60-Day Migration: An Accelerated Approach

- Optional short functional POC (1-2 weeks)
- Both migration scenarios possible <sup>(1)</sup>
- Possible for larger, non-complex, environments
- Mixed use cases possible RDSH Apps & VDI
- Wider set of devices and peripheral devices can be tested
- Functional testing can be done on the POC environment.
- Phased user migration possible in large blocks

## The T-90-Day Migration: A Strategic Transition

- Possible to do full POC (2-4 weeks)
- Both migration scenarios possible<sup>(1)</sup>
- Possible for complex environments<sup>(2)</sup> like multi tenant or hybrid
- Mixed use cases possible RDSH Apps & VDI
- DR testing & installation before migration
- Full device testing possible
- Gradual user migrations possible

(1) See next slide: in place migration & side-by-side migration

(2) Simple typically means single site deployments. The numbers are not hard limits

(3) Parallels Migration Services are available directly or through (local) certified partners

# Citrix To Parallels RAS Migration Timeline

## T-30 Days (*The Emergency Cutover*)

### Phase 1: Emergency Plan, Build & Import (Weeks 1-2)

- **Triage & Build:** Convene an emergency project team. Identify the absolute-minimum set of applications required for the business to function. Immediately begin building the Parallels RAS infrastructure. Simultaneously, use the **Parallels RAS Migration Tool** to export the application configuration.
- **Agent Swap & Import:** Perform an "Agent Swap" on your existing Citrix VDAs *in place* for testing, or on clones if possible. There is no time to build new images from scratch. Import the configuration into Parallels RAS. This is a "lift and shift" of your current state, including all existing technical debt.

### Phase 2: Critical Functionality Testing (Week 3)

- **No Formal Pilot:** There is no time for a user pilot.
- **IT Validation:** The project team and IT department must perform focused testing on critical applications.
- **Go/No-Go Decision:** By the end of Week 3, make a final decision on the cutover. Prepare a basic communication plan for all users, warning them of the upcoming change and potential for initial issues.

### Phase 3: The "Big Bang" Cutover (Week 4)

- **Weekend Migration:** The migration must occur over a single weekend.
- **All Hands Support:** The following Monday, the entire IT team must be available to provide wall-to-wall support for the entire user base.
- **Let Citrix Expire:** Do not renew Citrix.
- **Post-Migration Plan:** All optimization, cleanup, and formal decommissioning activities must be planned for the 30-60 days *after* the cutover. The initial goal is simply to be live on the new platform.

#### ***The T-30-Day Migration: The Emergency Cutover***

*This is a high-risk, business continuity-driven scenario. The goal is survival—to exit Citrix before the renewal date without major business disruption.*

*Perfection is the enemy of good. All non-essential activities are eliminated.*

*Primary Goal: Ensure business continuity by migrating critical applications and all users to a minimum viable Parallels RAS platform before the renewal deadline.*

# Citrix To Parallels RAS Migration Timeline

## T-60 Days (An Accelerated Approach)

### Phase 1: Rapid Plan & Build (Days 1-20)

- **High-Level Discovery:** Focus on identifying only the most critical applications and user groups. Defer analysis of non-essential items. Use the **Parallels RAS Migration Tool** immediately to get a baseline of the application set.
- **Parallel Build:** Immediately begin building the core Parallels RAS infrastructure. Do not wait for discovery to be 100% complete. Clone your existing Citrix VDA master image. Remove the Citrix VDA and install the Parallels RAS Agent to create a new master image for Parallels. This "Agent Swap" method is the fastest way to ensure application compatibility.

### Phase 2: Focused Testing & Mini-Pilot (Days 21-40)

- **Import & Test:** Import the exported Citrix configuration into Parallels RAS. Conduct focused testing on the top 20% of business-critical applications.
- **Mini-Pilot:** Run a very short pilot (1 week) with IT staff and a handful of power users. The goal is not exhaustive feedback, but a go/no-go validation for the full migration. Finalize user communications and a high-level support plan.

### Phase 3: Mass Migration & Stabilization (Days 41-60)

- **Large-Wave Migration:** Execute the migration in a few large waves or, if necessary, a single "big bang" event over a weekend. This requires an "all hands on deck" approach from the IT and support teams.
- **Post-Migration Stabilization:** The final two weeks are dedicated to stabilization and firefighting any critical issues. Let the Citrix renewal lapse. Schedule the cleanup of technical debt and the formal decommissioning of Citrix for the month following the deadline.

### ***The T-60-Day Migration: An Accelerated Approach***

*A 60-day timeline requires compressing the planning and testing phases. The focus shifts from perfection to a rapid, effective transition. The "New Image Build" method is likely too slow; an "Agent Swap" on clones of your existing session hosts is the preferred path.*

*Primary Goal: Rapidly deploy a functional Parallels RAS environment and migrate all users before the deadline, accepting minor technical debt to be addressed post-migration.*

# Citrix To Parallels RAS Migration Timeline

## T-90 Days (A Strategic Transition)

### Phase 1: Plan & Build (Days 1-30)

- **Discovery & Analysis:** Conduct a comprehensive analysis of your Citrix environment: Delivery Groups, Machine Catalogs, applications, policies, user personas, and dependencies. Identify critical applications and "quick win" user groups for the pilot phase. Define clear success criteria (e.g., feature parity for critical apps, positive user feedback, performance metrics).
- **Architecture & Design:** Design the Parallels RAS architecture, including High Availability (HA) for gateways and connection brokers. Plan for user profile management (e.g., FSLogix).
- **Infrastructure Build:** Provision servers for the Parallels RAS components (Connection Broker, Secure Gateway, etc.). Install and configure the core Parallels RAS farm. This environment will run in parallel to Citrix.

### Phase 2: Test & Pilot (Days 31-60)

- **Configuration Migration:** Use the **Parallels RAS Migration Tool** to export your application configurations from Citrix. Import the configuration into your new Parallels RAS farm. Manually reconfigure any settings not covered by the tool, such as specific policies or load balancing rules.
- **Technical Testing:** IT and the project team conduct rigorous testing on all migrated applications. Validate printing, peripherals, and remote access scenarios.
- **User Pilot Program:** Onboard a pilot group of 10-20 "friendly" users from different departments. Gather structured feedback on performance, functionality, and user experience. Develop support runbooks and user communication templates based on pilot feedback.

### Phase 3: Move & Improve (Days 61-90)

- **Phased User Migration:** Begin migrating users in scheduled waves, starting with the least complex groups. Communicate clearly with each group before, during, and after their migration. Have a dedicated support team ("hypercare") ready to assist newly migrated users.
- **Decommission Citrix:** Once all users are successfully migrated (by Day 80-85), you can safely let the Citrix renewal lapse. Begin the process of uninstalling Citrix components from session hosts and servers.
- **Optimization:** Use the final weeks to monitor the new environment, optimize performance, and address any items from your "wish list" or "technical debt" list created during planning.

### The T-90-Day Migration: A Strategic Transition

With a 90-day window, you have sufficient time for a strategic, well-paced migration that minimizes risk and technical debt. This is the ideal scenario, following a "Crawl, Walk, Run" approach.

**Primary Goal:** A seamless, phased migration with thorough testing, resulting in a fully operational and optimized Parallels RAS environment by the deadline.

# Next steps



# Next Steps

Discover more here:

<https://www.parallels.com/ras>

Parallels RAS TechBytes:

<https://www.parallels.com/products/ras/techbytes>

Parallels Docs:

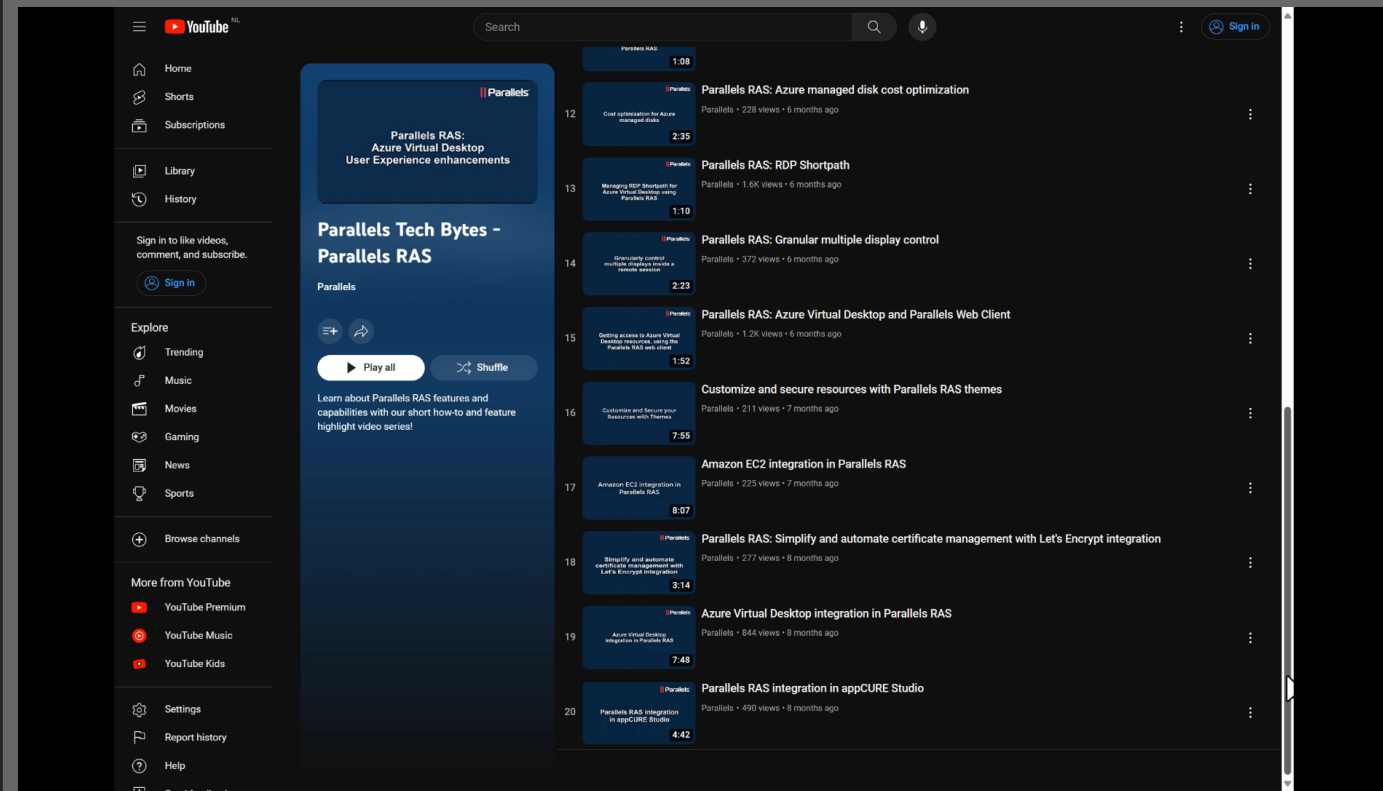
<http://docs.parallels.com>

Parallels knowledgebase:

<https://kb.parallels.com>



Redefine Enterprise end-user computing || Secure, scalable VDI, DaaS, and SaaS. Made simple.



## New to Parallels? Try now!

1. Sign up to trial:  
<https://parallels.com/products/ras/try>
2. Fill out the form
3. Check your inbox (including the spam folder)
4. Download the installer
5. Follow the step-by-step guide to install



**Thank you!**  
**Work Better. Live**  
**Better.**