

Parallels RAS

An all-in-one hybrid and remote work solution

Enable today's hybrid and remote workforce with the ideal digital workspace—designed by you. Parallels® RAS is an application and desktop virtualization solution that empowers your workforce to work securely from anywhere, on any device, with ease.

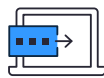


Why Parallels RAS?



Outstanding user experience

Access virtual desktops and applications on any device or OS, anywhere, from your browser using our Web Client, or install the local client to your device. Exceptional, reliable, and intuitive user experience with native controls.



Easy to deploy, manage, and maintain

Streamline deployments from a centralized management console. Use automation tools and easily provision and scale in minutes, even on the go, with a web-based Management Portal.



IT agility and business readiness

Deploy virtual workspaces on-premises, via public clouds, or through hybrid environments. Automate and scale deployments on main hypervisors or the cloud on Microsoft Azure, Azure Virtual Desktop, and Amazon Web Services.



Enhance data security and compliance

Protect corporate data with central file storage, granular filtering policies, encryption controls, and multi-factor authentication (MFA).



Reduce total cost of ownership

Tap into an all-in-one remote working solution with a single licensing model. Extend the life of your hardware and efficiently modernize legacy software.



You're always supported

Access 24/7 support and free technical training to gain the knowledge and confidence you need to deploy and maintain Parallels RAS. We are committed to your success.

Who is it for?

Our goal is to enable organizations and partners to be more agile and to extend their service offerings, all from a single management console.

ORGANIZATIONS

- Designed for any industry looking to implement a flexible, agile digital workspace.
- Built for verticals—from Healthcare to IT firms, and Education to Government.

PARTNERS

- **Service Provider** - Grow your business and offer your services on-premises, or via cloud or hosted environments. Manage it all with agility from a single management console.
- **Independent Software Vendor (ISV)** - Transform your business into a cloud-ready Software as a Service (SaaS). Reach a wider audience with fast application onboarding. From cost-effective licensing to white labeling, we support you every step of the way.
- **Reseller** - Enhance your customer offering and leverage our innovative technology solutions as a trusted partner.

What are customers saying?

"Parallels RAS is a perfect alternative to complex and expensive enterprise solutions as it is easy to set up, very user friendly, and ensures business continuity while keeping our employees safe."



Massimiliano Varutti –

Information Systems and e-government
Service at Regione Autonoma Friuli Venezia
Giulia

"Parallels RAS makes it simple for our IT admins to support any device that students and teachers prefer to use and saves us hours of setup time."



Paul Miller –

Head of IT at Cambridge
Judge Business School



Outstanding user experience



Parallels RAS is a perfect alternative to complex and expensive enterprise solutions as it is easy to set up, very user friendly, and ensures business continuity while keeping our employees safe.

Massimiliano Varutti – Information Systems and e-government Service at Regione Autonoma Friuli Venezia Giulia



Accelerated file retrieval

Quickly retrieve and enumerate local files and folders when using drive redirection. Achieve an over 90% increase in speed and stability over poor networks compared with standard RDP.

Universal printing and scanning

Flexible printer and scanning redirection provide users with the ability to print and scan locally from their mobile device or web browser.

Fast screen performance and GPU

By supporting RemoteFX, Parallels RAS provides users with a smooth, detailed, and responsive graphical experience, regardless of video format or application, while also facilitating the use of a broader range of USB devices.

AI-based session pre-launch

Parallels' artificial intelligence engine (AI) analyzes user login habits to pre-launch sessions, significantly reducing login time while distributing the back-end workload to prevent log-on storms during peak hours.

White labeling

The Parallels Web Client for HTML5 browsers and Windows devices include white-labeling capabilities,

enabling organizations to provide a personalized look and feel of the user interface with their branding and color scheme.

Native gestures

Use native touch gestures—such as swipe, drag, tap-to-click and zoom-in—with any Windows application on mobile devices to provide a local, workspace-like experience.

Pen-pressure support

For notetaking or drawing, take full advantage of a seamless pen experience using a local Parallels client (Windows, iOS, iPadOS, Android), or by using the Parallels Web (HTML5) Client.

Multitasking

Easily switch between multiple open files and applications. Use apps simultaneously with iPad multitasking features such as Slide Over and Split View on the Parallels RAS iOS/iPadOS Client.

Extended drag-and-drop functionality

Users can drag and drop files from the server to the client and vice versa. Drag files from published resources, applications, and desktops to local Windows and macOS® workstations.

Bi-directional audio

IT administrators can enable redirection of sound input and output from the local device to the remote application and enable use of a local headset, even for server-based applications.

Bluetooth mouse and trackpad support

From iPadOS 13.4 it's possible to use a Bluetooth mouse or trackpad with iPads providing greater precision. Parallels Client for iOS supports this capability, increasing end-user productivity.

Email-based account discovery

End users can enter their email address to quickly and easily connect and configure a Parallels client—no need for an IT email invitation. This is especially helpful for unmanaged devices.

Specific redirection

Specific URL redirection lets you tap into local device resources. For example, optimize audio and video delivery for calls and meetings or set up mail redirection using local email clients. Also includes Android and iOS/iPad OS folder redirection.



Enhanced data security

Comprehensive authentication options

T admin can use multiple multi-factor authentication (MFA) services without the need to deploy different Parallels RAS environments. Provide high-level data protection by integrating RADIUS, Deepnet, Gemalto (formerly SafeNet), smartcard authentication, Google Authenticator, and other time-based one-time Password (TOTP) authenticators.

Security Assertion Markup Language (SAML) single sign-on (SSO)

Streamline the management of user identities from different organizations while providing SSO capabilities. Enable users to effortlessly switch between hosted Windows, web, and Software as a Service (SaaS) applications without being prompted to reenter credentials.

Client policy

Reinforce data security by defining sets of rules for managing, controlling, and restricting the setting options available to users.

Advanced expression-based filtering

Create an additional layer of data protection and restrict access by defining filtering rules based on users/groups, IP address, MAC address, and devices. Expression-based filtering uses a natural language format to reduce complexity for IT admin while providing more flexibility.

Client management

Limit end-user accessibility by locking down Windows PCs and transforming them into Kiosk-Mode (thin client-like) devices.

Encryption protocols

Parallels RAS Secure Client Gateway encrypts end-user connections with SSL/TLS and FIPS 140-2-compliant encryption. Ensure adherence to data compliance policies.

Logon hours control

Support the 'Right to Disconnect' and improve security by setting logon hours. Set a schedule for

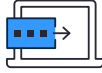
user access to published applications and desktops with expression-based rules.

Monitoring and reporting

Identify suspicious activity with detailed reports that provide useful insight into server health, application usage, connected devices, and user/user group activities.

SSL certificate manager

Centrally manage and monitor all Secure Sockets Layer (SSL) certificates from a dedicated screen in the Parallels RAS Console.



Easy to deploy, configure, and maintain



Parallels RAS scaled from a single server to multiple farms with combined publications of RDS, VDI, Remote PC, and others as a single entry to an enterprise workspace. It is a solution for companies of all sizes.

Udo Janssen – Director at Gesellschaft für Computer-Technologie (GCT)



Parallels RAS Console and Management Portal

Perform available tasks through a single pane of glass. Deploy servers, publish applications, monitor resources, manage devices, offer helpdesk assistance, and define security policies—all from one console. The web-based Management Portal enhances mobility, enabling administrators to work on the go.

Wizard-based deployment

Effortlessly publish and manage a wide range of applications and desktops with an intuitive publishing wizard. Automatically generate and deploy configurable Parallels RAS templates for VDI and RDSH.

MSIX app attach and FSLogix Profile Containers integration

MSIX app attach integration for dynamic application delivery and FSLogix Profile Containers integration makes image management a whole lot easier. No scripts or add-on costs are required.

Certificate management and Let's Encrypt

Simplify secure user access by integrating out-of-the-box SSL certificate creation with Let's Encrypt. Parallels RAS automates the renewal process and lets you manage certificates from the Parallels RAS Console.

Expression-based admin granular permissions

Configure custom roles for administrators and delegate control of any Parallels RAS object with expression-based rules.

Multi-tenant architecture

Parallels RAS provides multi-tenancy support, enabling different tenants to share access layers such as Secure Client Gateways and High Availability

Load Balancers (HALBs) while keeping data segregated and reducing operational costs.

High Availability Load Balancing (HALB)

Out-of-the-box load balancing distributes data traffic among remote desktop servers and gateways with resource-based distribution (user sessions, memory, and CPU). Third-party load balancers, such as AWS Elastic Load Balancer (ELB) and Azure Load Balancers, are also supported.

Server Console tools

For easier VM management, apply a set of utilities to access and perform specific tasks and applications on your virtual machines directly through the Parallels RAS Console.

REST API and PowerShell API

Automate complex and repetitive tasks using REST-API and/ or PowerShell cmdlets. Enable easier integration with scheduling and workflow applications into the Parallels RAS ecosystem.

UX evaluator and advanced session metrics

Improve service delivery by pinpointing issues faster and accurately with the User Experience (UX) Evaluator metric, combined with a complete view of user session details.

User session management

Manage any user sessions from RDSH and VDIs through the Parallels RAS Console. The helpdesk can assist users by addressing unresponsive processes: terminating them, disconnecting, logging off, or sending a message.

Automated image optimization

Built-in, automated image optimization capabilities for RDSH, VDI, or Windows Azure Virtual Desktop

workloads improve the user experience, reduces IT infrastructure costs, and accelerates time to production.

Auto-provisioning and auto-scaling

Parallels RAS templates are configured to enable on-demand deployment or removal of VMs to accommodate traffic requirements. On-premises, hybrid, and public cloud deployments are supported.

Power management

Cost savings for cloud, hybrid, or multi-cloud deployments—set a schedule so that you pay only for the computing resources you need.

Linked clones

Utilize linked clones and replicate an available VM instead of creating a full one. Multiple VMs can share the same software installation, saving storage space and reducing deployment time.

Dynamic VM lifecycle management

Set a preconfigured number of active virtual machines (VMs) along with their lifecycle. Unused, nonpersistent VMs can be recreated or deleted after a predefined time.

Client autoconfiguration

Quickly enroll new users to access published applications and desktops with a single click on the autoconfiguration link.

Automated notifications and custom actions

Customize event handlers such as CPU, memory, sessions, and connections count to automatically execute PowerShell notification scripts.



IT flexibility and business readiness

One-stop solution for RDS and VDI

Parallels RAS enables organizations to manage Microsoft Remote Desktop Services (RDS) and VDI environments in the same infrastructure, streamlining IT operations while reducing cost and complexity.

Remote PC

Enable any physical or virtual workstation to be securely accessible to remote workers. Easily support remote access by publishing desktops and applications from Remote PC.

Hypervisor independent

Parallels RAS is a VDI hypervisor-independent solution that enables organizations to mix and match different technologies such as Microsoft

Hyper-V, VMware EXSi, Nutanix Acropolis (AHV), Scale Computing HC3, Microsoft Azure, Amazon EC2, and others.

RDSH and VDI local storage distribution

Parallels RAS provides the ability to deploy clones from templates to the local disks of multiple independent Microsoft Hyper-V hosts, rather than only using centrally shared storage such as SAN.

Multi-cloud ready – from Azure to AWS

Parallels RAS supports on-premises, hybrid, and public cloud deployments on Microsoft Azure, Amazon Web Services (AWS via EC2), Google Cloud, and more. Control all the cloud services from a single pane of glass.

Unified Azure Virtual Desktop integration

Extend Azure capabilities by integrating, configuring, and unifying all virtual workloads and resources from a centralized console. Integrate Parallels RAS deployments with Azure Virtual Desktop, delivering a single solution to end users.

Heterogeneous Windows Server OS environment*

Parallels RAS can manage different Windows Server OS versions on the same farm, enabling administrators to deliver applications and desktops simultaneously from Windows Server 2008 R2, Windows Server 2012/R2, 2016, 2019, and 2022.

*Consult Parallels RAS [Software Requirements](#) for supported operating systems.



Reduce total cost of ownership (TCO)



Parallels RAS makes it simple for our IT admins to support any device that students and teachers prefer to use and saves us hours of setup time.

Paul Miller – Head of IT at Cambridge Judge Business School



Reduce complexity

Easy to deploy, configure, and maintain, Parallels RAS enables organizations to reduce IT complexity while increasing staff and users' productivity.

Cost-saving optimization tools

Automate processes and configure for cost-savings with Power Management, Automated image optimization, Autoscaling, and consolidated access for multiple customers by using multi-tenancy capability.

Fast learning curve

Parallels RAS is an easy-to-use solution that requires minimal knowledge to configure and manage the infrastructure, thereby reducing the learning curve. Moreover, full training on Parallels RAS is provided

free of charge. No expensive add-ons—Parallels RAS is a full-featured, modular, cost-effective application delivery and VDI solution. It does not require third-party add-ons for load balancing, printing redirection, monitoring, reporting, and more.

All-inclusive single license model

The Parallels RAS single license model includes all capabilities out-of-the-box, providing enterprise-range features such as application and VDI delivery, load balancing, multi-cloud and 24/7 customer support.

Concurrent user model

Parallels RAS uses concurrent user licensing. Users can establish any number of connections to Parallels RAS as long as the number of users simultaneously accessing Parallels RAS does not

exceed the number of available licenses.

Service Provider License Agreement (SPLA)

Parallels RAS SPLA model is licensed per peak number of concurrent users over a billing period. The data is automatically collected daily from each farm and is used to calculate the licensing cost at the end of a billing cycle.

Manage sub-licensing

Parallels RAS supports sub-licensing, enabling organizations to manage multiple independent keys while retaining centralized consumption information.

Free training and support

Gain the knowledge and confidence you need to deploy, configure, and maintain Parallels RAS with access to 24/7 support and free technical training.



"Parallels give us the flexibility to easily spin up VDI sessions across domains and for as many users as we need, while also extending a very easy-to-stomach license cost that keeps our finance office happy."

**Mikel Seidl - Systems Administrator at
Lake Forest Academy**