

# Deliver virtual workspaces on any device using Remote Desktop Services with Windows Server 2016

## Securely distribute apps to mobile workers on the IT infrastructure of your choice

Desktop virtualization is one way IT leaders securely deliver applications to the wide array of devices that mobile workers use on the job. Because apps don't execute on the client devices, there is less worry that corporate data will be compromised. Virtualization also creates a consistent experience across different device types without having to rewrite apps for each platform—a big savings for IT development and support efforts. By transmitting images instead of applications, IT can also extend the life of older equipment and get more out of newer, lower-cost hardware.

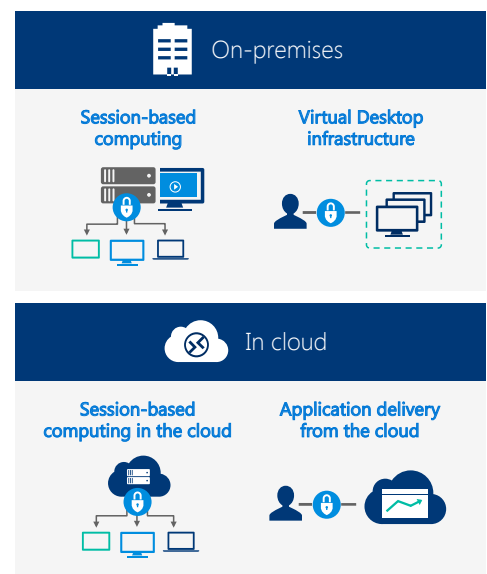
Despite the enormous promise of desktop virtualization, widespread adoption has lagged. There's no one reason—rather it's several small but painful issues that combine to lower enthusiasm. Users often find themselves locked out of their desktop when they try to log on at peak usage times, because there aren't enough connections available. They also get frustrated with graphics-heavy apps that can be extremely slow to load and offer a poor user experience. On the IT side of things, as cloud platforms are used to cost-effectively add capacity to desktop virtualization systems, managing and securing VMs across both on-premises and cloud deployments is extremely challenging. Often, an entirely separate identity infrastructure is needed for users accessing cloud VMs, and VM sprawl becomes a real concern.

Windows Server 2016 is designed to let organizations easily reap the security and cost benefits of desktop virtualization environments by tackling common user and IT objections. It can be deployed as easily on-premises as in the cloud, helping mobile workers be productive anywhere, anytime—while still protecting data and maintaining compliance.

“We have several construction and architecture customers that work out in the field at jobsites. They want to access original drawings and design plans, but putting a high powered laptop out to the dusty, dirty field site is expensive and the systems get gunked up. With this Windows Server 2016 DDA setup, the endpoint can be a cheaper laptop, and provides centralization of drawings, designs, and more.”

– Rand Morimoto, President  
Convergent Computing

Windows Server 2016 provides session-based computing, pooled or personal desktops, and remote application delivery options for both on-premises and cloud-based infrastructures.



## RDS features in Windows Server 2016

### Better graphics experience

Discrete Device Assignment (DDA) allows graphics cards (GPUs) to be directly assigned to a virtual machine, unleashing the full power of available server-class graphics cards to virtual desktops and apps, thus using the native driver of the GPU. For graphics virtualization scenarios requiring higher user density, RemoteFX vGPU application compatibility is improved with support for OpenGL 4.4 and OpenCL 1.1.

### Enhanced connection broker

Connection broker can now handle up to 10,000 concurrent connections. Smaller-scale deployments are possible by configuring a high-availability RDS Connection Broker from an existing SQL Server cluster or Azure SQL Database.

### More efficient cloud deployment

Deploying RDS in Azure IaaS is much more efficient, cutting in half the number of VMs needed. This is possible because Azure Active Directory App Proxy removes external endpoints on the RD Gateway, enabling the RD Connection Broker, RD Licensing, and RD Web Access to be combined into a single VM, since that VM is no longer exposed to the public internet.

### Support for cloud-managed domain services

Azure virtual machines can be joined to a domain without deploying domain controllers, making it easy to migrate on-premises apps to the cloud without worrying about identity requirements. Users sign in with their standard Active Directory credentials.

### Windows Server 2016 editions

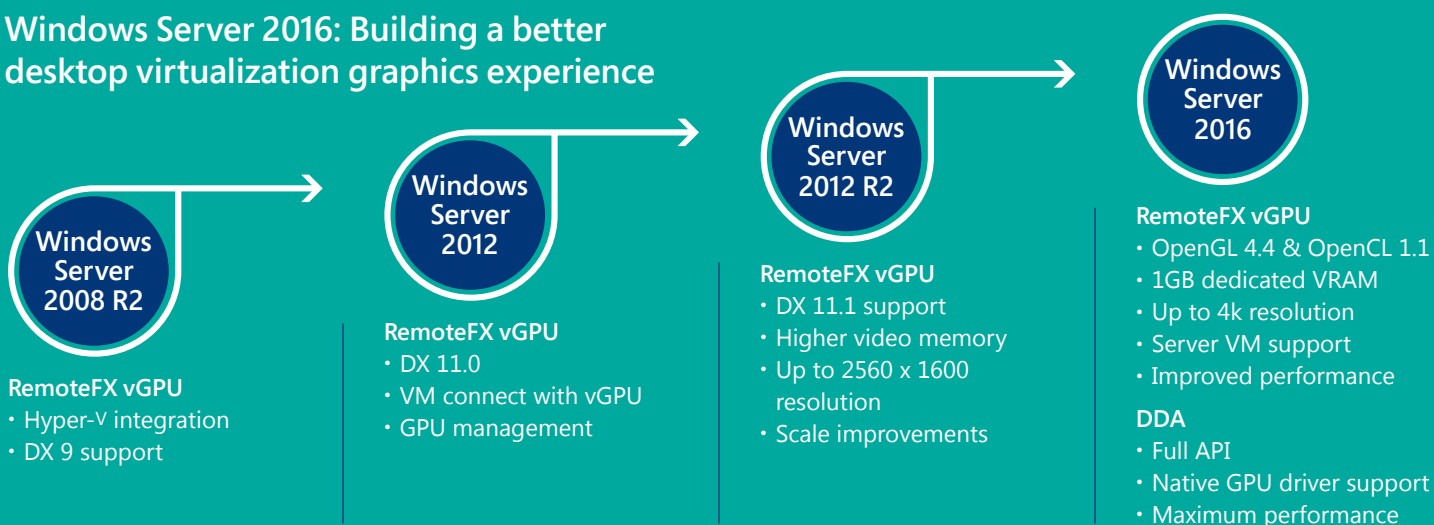
**Windows Server 2016 Datacenter** for highly virtualized datacenter and cloud environments.

- Features exclusive to the Datacenter Edition include Shielded Virtual Machines, software-defined networking, Storage Spaces Direct, and Storage Replica.

**Windows Server 2016 Standard** for physical or minimally virtualized environments.

**Windows Server 2016 Essentials** for small businesses with up to 25 users and 50 devices.

## Windows Server 2016: Building a better desktop virtualization graphics experience



Take the next step. Learn more at [www.microsoft.com/en-us/cloud-platform/desktop-virtualization](http://www.microsoft.com/en-us/cloud-platform/desktop-virtualization)

