

	Infrastructure-as-a-Service (WebTop)	Virtual Desktop Infrastructure (VDI)
Ease of Deployment	<p>Centralized management consoles provide for customized control, and simple setup and deployment. Service Provider (SP) manages and maintains infrastructure.</p> <p>Individual and new user deployment is quick due to resource pooling and scalable nature of server environment.</p>	<p>Complex, labor-intensive infrastructure setup of data center servers and virtual servers requiring specialized expertise and pre-allocation of resources.</p> <p>Individual and new user deployment requires setup of individual virtual desktops within server environment, which may require more time and labor.</p>
Setup Investment	<p>Architecture and the service is purchased on a subscription basis, requiring no upfront infrastructure investment.</p>	<p>May be cost-prohibitive in terms of budget and staffing due to high upfront CAPEX investment and maintenance.</p>
Ongoing Costs	<p>Monthly subscription cost per user and applications used. SP provides ongoing back office support.</p> <p>No infrastructure management or maintenance costs, since the SP handles all the back-end infrastructure costs, including data storage, upgrades, security, and backup.</p> <p>End user cost of maintaining each endpoint device is reduced since processing is off-loaded to the SP's server environment.</p>	<p>Consolidation and reduced upgrade cycles minimizes hardware costs for server and client side equipment, although ongoing infrastructure maintenance costs are much greater than IaaS. Ongoing back office support is at cost of user.</p> <p>Endpoint device maintenance is also reduced, much like it is with IaaS.</p>
Data Security	<p>Remote replication protects data. No data is stored on the actual device used.</p>	<p>Data is replicated in the data center. In addition, keeping data within the confines of the organization's own data center improves security.</p>
Ease of Maintenance	<p>SP manages patching and application installation or streaming, therefore off-loading any load to the organization's network and IT admin team.</p> <p>Infrastructure maintenance (e.g. load balancing and network issues) is also taken care of by the SP.</p>	<p>Perform centralized patching and application installation or streaming, minimizing load to the organization's network. However, the organization's IT personnel may be responsible for performing maintenance.</p>
Mobile Workforce	<p>End users can access their applications from any location or device with an internet connection.</p>	<p>End users can access their desktops from any location or device with an Internet connection.</p>
Device support	<p>Supports any operating system or device with an internet connection.</p>	<p>Supports any operating system or device with an internet connection.</p>
Business Continuity	<p>Service Provider can quickly spin up applications to users on any device, providing for a more flexible environment than VDI.</p>	<p>Provides flexibility and agility for a business environment, however is dependent on internal IT team's availability and response time.</p>

Latency	<p>Applications are delivered over a remote connection, so some latency is possible.</p> <p>Network concerns of IaaS are often unwarranted, because cloud-hosted applications are connected to the cloud environment through a secure connection.</p>	<p>VDI deployments are behind an organization's firewall, which in general may cause some latency issues. However, connectivity primarily depends on the organization's bandwidth.</p>
Resource Pooling	<p>Server-based computing improves a company's ability to use resources as a common pool. Service Provider manages the infrastructure, allowing maximum scaling at peak times.</p>	<p>Server-based computing improves a company's ability to use resources as a common pool. The data center infrastructure and hardware is procured and managed by the organization's IT team.</p> <p>Pre-allocated resources must be set up initially, which may inefficiently use space and resources waiting for the user to utilize them.</p>
Admin Control and Visibility	<p>Provides the choice between either a customer-run and managed environment or off-loading monitoring and managing responsibilities to a Service Provider. If the customer desires to manage the environment (e.g. deploy new user application instances on their own), depending on the SP's product capabilities, end-user management and reporting is possible via a centralized management console. Otherwise these duties may also be off-loaded to the SP.</p>	<p>Requires full admin staff capabilities and control, as well as monitoring and management responsibilities. Depending on tools selected, end user management is possible with varying degrees of difficulty.</p>
Software Licensing	<p>Customer is required to license operating systems of local machines. If customer purchases Microsoft Office license through SP, cloud-based Office is part of their monthly subscription fee.</p> <p>Within the IaaS environment, licensing is utilized within a single server across multiple users, often making it a more cost-effective solution than VDI licensing options.</p>	<p>Customer is required to license operating systems of local machines.</p> <p>Within the VDI environment, customers are required to license every desktop for each individual user. This quickly becomes expensive for large scale implementations.</p>
App Hosting	<p>Supports the aggregation of thousands of third-party line-of-business applications with diverse delivery methods: hosted, streamed, web-based, local, and virtual.</p> <p>Administrators and business-users can easily provision the use of specific applications, as well as de-provision the applications at the conclusion of their required use.</p>	<p>Applications must be tested, spun up, and configured to work within a VDI environment, providing for a potentially cumbersome IT management task list.</p>

	Single sign-on into the business-user's WebTop provides easy access to the business' selection of compliant applications.	
Provisioning of additional strategic technology needs	SPs typically offer other value-added hosting services in addition to IaaS (e.g. backup, dev/test environs, VoIP, a portfolio of popular business applications) that customers may easily provision or de-provision for a predictable monthly cost.	Additional infrastructure or application needs require reallocation of personnel resources and CAPEX/OPEX, which requires management approval; all of which extend time to deploy while the business unit waits.

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