



Take your IT to the Next Level

Ucloud is the first Cloud Service Provider (CSP) to publicly launch Cloud Service in Nepal.

With multi-link high speed internet connectivity, dual link to Nepal Internet Exchange and dual Wide Area Network connectivity to most ISPs within the country

Ucloud offers Infrastructure as a service on which you can build your business. From Virtual Desktop, Virtual Private Cloud, Managed Services and Web Hosting, Ucloud is a one stop shop for all your IT needs.

Our Platform supports most operating system, tools and framework, from Linux to Windows, most database software, Java to C# and more.

Ucloud is changing the IT delivery model to a service-based model, which operates more efficiently, resulting in enhanced responsiveness to business needs.

Umrao Datacenter was founded in 2014 and is headquartered in Kathmandu Nepal. Ucloud was launched to the public in 2015.

Services

VIRTUAL DATA CENTER

- Virtual Private Cloud
- Virtual Desktops

HYBRID CLOUD

MANAGED SERVICES

WEB HOSTING

Key Features

High Performance

Using latest technologies from servers to storage and networking you get the best performance a cloud can offer.

99% SLA Uptime Guaranteed

Our SLA provides you with a guaranteed 99% uptime of our datacenter services.

Highly Secured Environment

Our Datacenter is protected by multi-layer enterprise security appliances that provide you with world class security.

Solutions

Infrastructure as a Service provides on demand computing infrastructure (server and storage) all the way to the level of operating system. Flexible options provide best-fit solutions for customers from server on demand, storage on demand, virtualisation, backup services, to optional offsite storage.

Cloud Computing delivers highly agile, next generation services that are always available to any user from any device and location at any time. The services include management, monitoring and security for its public cloud customers.

Virtual Desktop enables the hosting of a desktop operating system within a virtual machine (VM) running on a centralized server.

Hybrid Cloud provides users with an opportunity to host some of their business applications in a private or dedicated environment and also to host other unpredictable or heavy traffic applications in a public cloud environment.

WH Web Hosting servers are protected by multilayer enterprise class security appliance and hosting of your website is done on a dedicated SAN keeping your data safe and secure.



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Take your IT to the Next Level

We help you design, configure, build and run your workloads to help you succeed in the cloud. Let Ucloud handle the IT so that you can focus on growing your business.



Servers

Our on-demand servers feature powerful Intel® Xeon® processors and 20 Gbps of highly available throughput to every host.



Simple & Affordable

Consistent pricing across the country, to start with.



High Security

Our datacenters are protected by multi-layer security appliances that are used in today's large datacenters across the world.



Scalable

Our enterprise grade system is built to SCALE UP and SCALE OUT on demand to 1000s of virtual machines and Petabytes of data.



Built for Reliability

Cloud servers reside in our data centers on enterprise class redundant hardware (servers, networks, storage & backup).



Reliable Support

Choose between Live Chat or Online Web Support based options or add-on the Premium support as per your needs and requirements.



Unified Storage

Our enterprise class unified storage system is best of class supporting multiple protocols that are leveraged in the cloud orchestration layer.

are

charged

services



variable rates for consumed.



Cloud Load Balancers

Distribute workloads across multiple cloud servers to raise throughput, lower response time and avoid overload.

Shared Hosting

Hosting servers are protected by multilayer enterprise class security appliance & hosting is done on a dedicated SAN keeping your data safe and secure.

Easy to Customize

Customize each instance as required by your application or operating system.



Articles & Solutions

Find your answers with inexhaustible solutions. How to guides and step-by-step instructions.



Datacenter Network

Our enterprise class Datacenter Top of Rack (ToR) switches and Datacenter Core Routers are used to create an advanced networking supporting 10-40 Gbps networks.

Pay-as-you-go



We bill per hour from the time you create Cloud Servers until you delete them.



VPC

Virtual Private Computing (VPC) lets you provision a logically isolated section of the cloud where you can launch resources in a virtual network that you define.



Managed Services

Ucloud provides you with complete end-to-end managed services so that you can focus on your business and not on your IT.



Online Ticketing Solutions

Our online portal allows you to log in support cases and check on the status of pending and open cases.



Live Chat

Our technicians and support staff are available 24x7 for live chat and support resolution.

Features

- Pay-per-user model
- On demand provisioning
- Highly scalable infrastructure
- Flexible connectivity
- Integrated managed services
- Enterprise class reliability
- Burst option available
- Expert care
- Online & phone support



What Ucloud Provides

Using existing fiber networks of the ISPs, Ucloud offers end-to-end cloud computing services to further transform the way organizations operate IT.

Ucloud utilizes the right methodology to bring about a reduced Total Cost of Ownership (TCO) and a better Return of Investment (ROI) whilst incorporating technologies and capabilities into your business. We understand and pay careful attention to your business needs and propose the most appropriate cloud computing solutions to address your IT requirements with reduced cost and quick service delivery.

Customers are adopting a cloud strategy in their IT projects to benefit from the scalability and cost efficiencies of delivering IT services to business requirements.

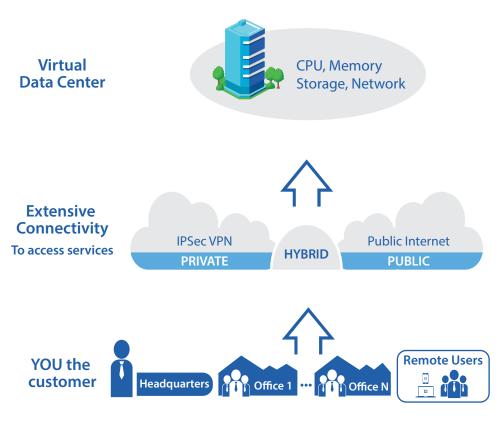
The Cloud is changing the IT delivery model to a service-based model, which operates more efficiently, resulting in enhanced responsiveness to business needs.

Ucloud VDC

Ucloud VDC (virtual datacenter) provides comprehensive infrastructure capabilities to host your most critical workloads of business applications and e-commerce or corporate websites. Also, we enable you to manage your services through powerful APIs and a user-friendly web interface portal.

The VDC is built on a fully clustered, enterprise class computing architecture with industry leading virtualisation provided by Citrix Platform.

We provide a cloud based resource pool of computing, storage and network with the required privilege of access to manage their VDC via our portal. Also Ucloud ensures that the VDC has a scale, performance and security to meet all your enterprise business needs.



Ucloud provides reliable redundant infrastructure to ensure high availability access to your Cloud with zero downtime.

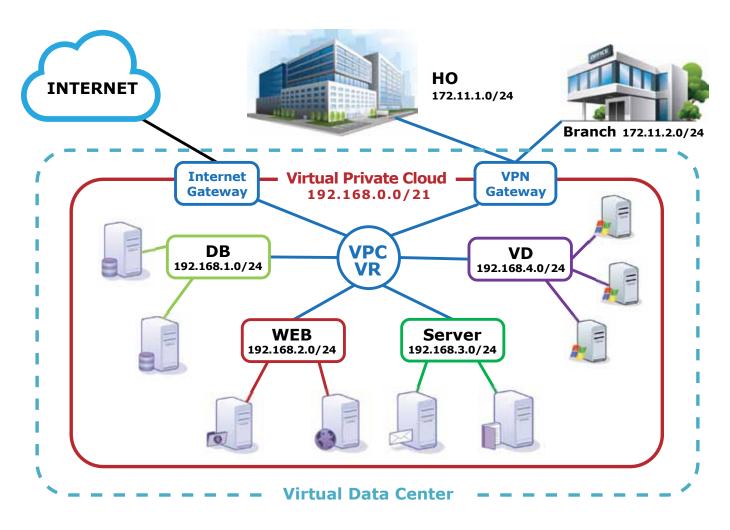
The biggest differentiating feature of a Ucloud VDC is that you can easily re-adjust resource allocations within your environment at any time. Many cloud providers offers the same combination of components, but they do not allow you to reconfigure them. If you grow out of one of these, you must trade that VDC or Virtual / Physical server in for a large one.

At Ucloud, no matter how your resources are allocated initially, you can always readjust how much computing, memory or storage you need. You can grow and contract your VM as needed without ever moving your workload.



Ucloud VPC

Ucloud VPC (Virtual Private Cloud) lets you provision a logically isolated section of the cloud where you can launch resources in a virtual network that you define. You have complete control over your virtual networking environment, including selection of your own IP address range, creation of subnets, and configuration of route tables and network gateways.



You can easily customize the network configuration for your VPC. For example, you can create a public-facing subnet for your webservers that has access to the Internet, and place your backend systems such as databases or application servers in a private-facing subnet with no Internet access. You can leverage multiple layers of security, including security groups and network access control lists, to help control access to your instances in each subnet.

Additionally, you can create a L2 Private Gateway and / or add a VPN Public Gateway connection between your corporate locations and your VPC and leverage the cloud as an extension of your corporate office.

Ucloud VPC use cases

Host multi-tier web applications

You can use VPC to host multi-tier web applications and strictly enforce access and security restrictions between your webservers, application servers, and databases. You can launch webservers in a publicly accessible subnet and application servers and databases in non-publically accessible subnets. The application servers and databases can't be directly accessed from the Internet, but they can still access the Internet via a NAT instance to download patches. You can control access between the servers and subnets using inbound and outbound filtering rules provided by network access control lists and security groups.

Ucloud

Extend your corporate network into the cloud

You can move corporate applications to the cloud, launch additional webservers, or add more compute capacity to your network by connecting your VPC to your corporate network. Because your VPC can be hosted behind your corporate firewall, you can seamlessly move your IT resources into the cloud without changing how your users access these applications.

Disaster Recovery

You can periodically backup your mission critical data from your datacenter to a small number of Ucloud instances. In the event of a disaster in your own datacenter, you can quickly launch these instances to ensure business continuity. When the disaster is over, you can send your mission critical data back to your datacenter. By using Ucloud VPC for disaster recovery, you can have all the benefits of a disaster recovery site at a fraction of the normal cost.

Ucloud VD

Ucloud VD (Virtual Desktop) transforms your traditional desktop into a cloud-based service where you can get all the desktop features and functionalities from the Cloud. As a solution, VD eliminates upfront investments associated with the traditional desktop model and instead provides a cost-effective and low power consumption service model to meet your PC requirements and changing business needs. VD provides enterprise-level security, best-in-class monitoring and a highly secure facility to provide around-the-clock support for our customers. Also, the productivity of your workers would increase due to a significant reduction in the time required to perform desktop management and associated support tasks.



Ucloud VD delivers the following

- A simplified deployment and management of your desktop environment.
- A faster path to virtual desktop deployment.
- Pre-engineered, end-to-end solutions for accelerated business outcomes.

Ucloud VD enables you to rapidly provision desktops to end-users anywhere and on any device, without compromising their computing experience. Our pre-integrated virtual solutions and management services are scalable, secure and affordable.

Customer Value

Ucloud VD supports a wide range of devices and thin clients (as well as many older PCs) to enable VD access. We can help you quickly define and provision persistent desktops. Ucloud VD minimises the risks to company data and applications when end-user devices are lost, damaged or stolen or infected. Ucloud VD reduces the burden of day-to-day desktop management and instead allows for time-stretched IT resources to focus on other strategic business needs.



WORK FROM ANYWHERE

As long as employees have **Internet Access,** they can work from anywhere. A study found that 42% of working adults would take a 6% pay cut if they could telecommute.



DOCUMENT CONTROL

With all the files in one central location everyone can work off one central copy. Employees can even chat with each other whilst making changes together. This allows for **Stronger Collaboration** and increased efficiency.





SECURITY

When everything is stored in the cloud, **Data Can Still Be Accessed If Hardware Is** Lost Or Stolen.



GREEN IT

Using the cloud results in at least **30% Less Energy** consumption and carbon emissions as compared to on-site servers. SMEs are likely to see a 90% cut in energy use and carbon emissions.



INCREASE PRODUCTIVITY

By using Ucloud VD, block sites (Chat, Social media, Skype) and control web usage.

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COMPETITIVENESS

The cloud grants **SMEs Access to Enterprise Class Technology**. It also allows smaller businesses to act faster than big, established competitors, allowing the smaller to again out-maneuvers.

Managed Services

Ucloud provides you with complete end-to-end managed services so that you can focus on your business and not on your IT concerns. From planning to deployment, our team of experts can take care of your entire IT needs. Combine the latest Virtualisation solutions with managed services to simplify deployment, lower cost of management, and effortlessly scale as your business grows.



This service combines skilled professionals, industry best practices and proven methodologies. It maximizes uptime by providing proactive resolution to virtual infrastructure issues..

Ucloud Managed Services help maximize the value of your Cloud and VDI infrastructure, and maintains a reliable, effective and scalable virtual environment. We will monitor and manage your Cloud with our team of professionals, including setting up users in the systems, critical patching, and updating VMs running in your cloud.



Web Hosting

Cloud Hosting is a new type of hosting platform that allows customers powerful, scalable and reliable hosting based on clustered load-balanced servers. A cloud hosted website may be more reliable than alternatives since other computers in the cloud can compensate when a single piece of hardware goes down.

In the shared web hosting service, the customer's website is placed on the same server as the other sites. Typically, all domains share a common pool of server resources, such as RAM and the CPU. In the Virtual Private Server (VPS), resources can be allocated based on your needs. Customers will have root access to his own virtual space. Users are responsible for patching and maintaining the server. Hosted data is stored on a SAN (Storage Attached Network) to provide highest level of redundancy and performance.

All websites are protected by multi-layer enterprise class security appliances with options to sign up for Load Balancers (Load-Balancer-as-a-Service) and DDoS mitigation (Security as a service).

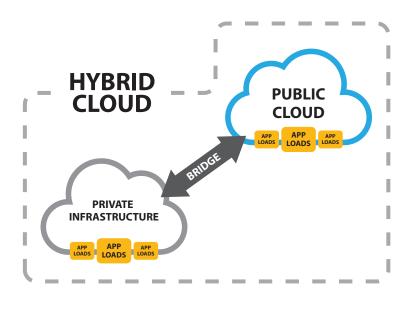


Both features coming soon.

Hybrid Cloud

Gartner, Inc. defines a hybrid cloud service as a cloud computing service that is composed of some combination of private, public and community cloud services, from different service providers. A hybrid cloud service crosses isolation and provider boundaries so that it can't be simply put in one category of private, public, or community cloud service. It allows one to extend either the capacity or the capability of a cloud service, by aggregation, integration or customization with another cloud service. Varied use cases for hybrid cloud composition exist. For example, an organization may store sensitive client data in house on a bunch of servers, but interconnect that to a BI application hosted on a public cloud.

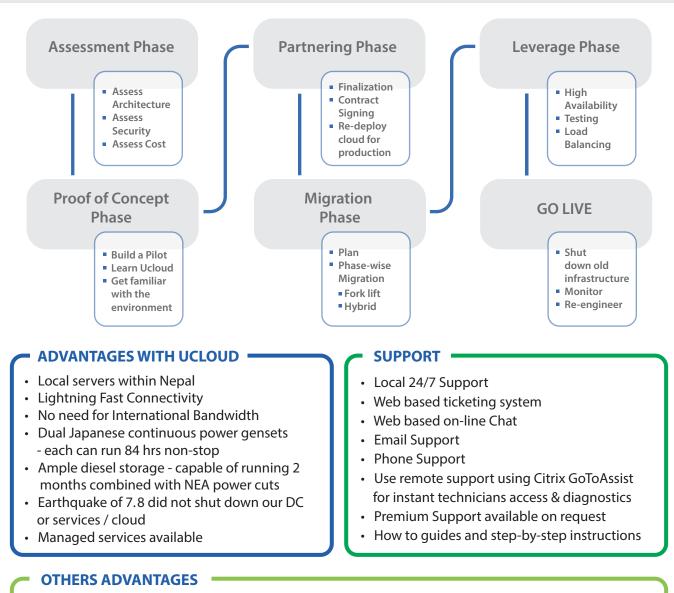
Another example of hybrid cloud is one where IT organizations use public cloud resources to meet temporary capacity needs that cannot be met by the private cloud. This capability enables hybrid clouds to employ cloud bursting for scaling across clouds. A primary advantage of cloud bursting and a hybrid cloud model is that an organization only pays for extra compute resources when they are needed.



Cloud computing as the next generation of computing provides the following benefits:

- Managed IT infrastructure and services as commodity services developed on a large-scale resource pool beyond standalone processors, storage, business applications and development platforms.
- Billing or charging is based on actual consumption and "pay-as-you-go" economics, even for shorter contracts.
- Scalability that caters to unforeseen business requirements in a timely manner.
- The ability to add or remove capacity in real-time on the basis of changing business needs.
- Easy and user-friendly access, such as web-based interfaces, for the administration of your services and monitoring usage patterns.

Migrating to the Cloud



- Immediate provisioning / take minutes traditional models require 4-6 weeks to get a server up and running
- Scale Up / Scale Down based on your need traditional models require you to procure hardware bring down the server - upgrade - takes time - weeks
- Reliability pooled resources (compute and storage)
- Increased productivity by using Ucloud VD, block sites (Chat, Social media, Skype) and control web usage

SECURITY CONCERN

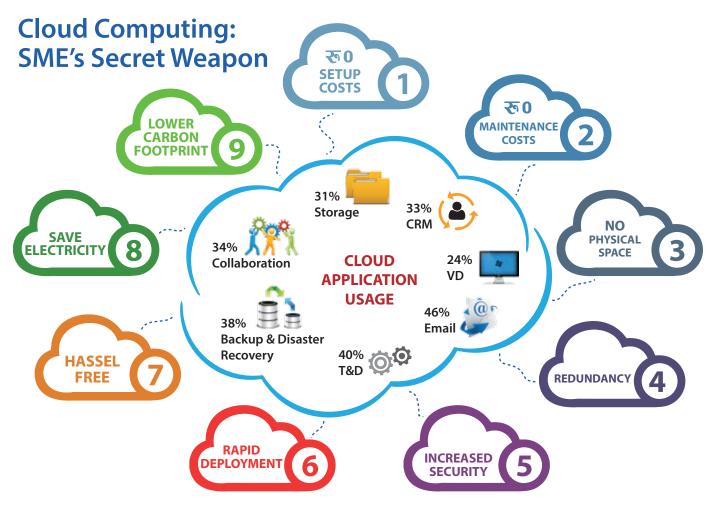
- We are protected with the "best" multi-layer security appliance (Market leader 2015 "Gartner Magic Quadrant"). Most businesses do not invest in security appliances
- Security is a shared burden, we will secure the datacenter and cloud, you need to secure your locations that connect to the cloud
- Citrix backed enterprise support for cloud software and hypervisors
- Implementation partner is a Citrix certified solution provider - who also provides support



Who uses the **Cloud** and how

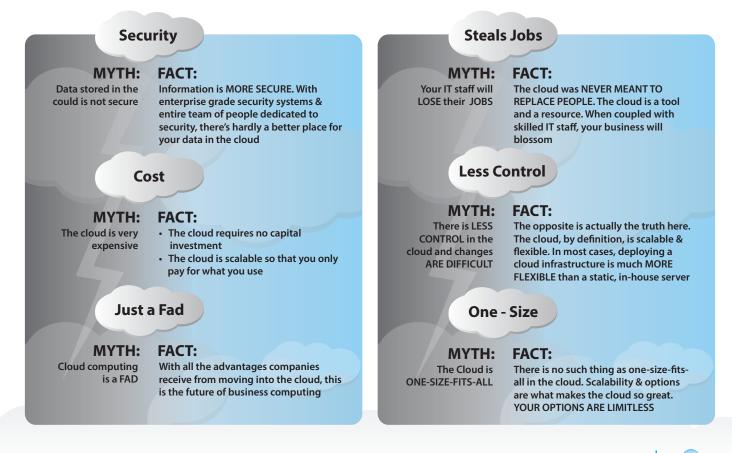






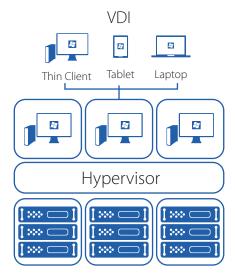
Dispersing the MYTHS behind Cloud Computing

Is your company hesitant to move to the cloud? If so, perhaps they are following for one of these common myths about cloud computing. Set the record straight: Disperse the clouds of Myths, and see the silver lining of switching to cloud computing.



What is VDI

The cost of computer hardware is increasing and the change in technology is so rapid. It is almost impossible for the corporate customer to keep up with the change, both hardware and software, due to budgetary constraints. Hence there is a need for Data Center to which they can outsource their IT infrastructure too. This Data Center would be an ever evolving unit that will invest in the hardware and software keeping up with the latest technologies providing Infrastructure as a Service (laaS) and providing two of the fundamental services required by any company without them having to invest any capital into hardware and software.



Sometimes referred to as desktop virtualization, virtual desktop infrastructure or VDI is a computing model that adds a layer of virtualization between the server and the desktop PCs. VDI provides greater security, seamless user experience and superior data security because VDI hosts the desktop image in the data center, organizations keep sensitive data safe in the corporate data center, not on the end-user's machine which can be lost, stolen, or even destroyed. VDI effectively reduces the risks inherent in every aspect of the user environment.

VDI is hosted in a data center that run on servers with high availability features including redundant and hot swappable power supplies, fans and storage disks. Such systems can help protect against downtime. More productive end-users: With VDI, the end-user experience remains familiar. Their desktop looks just like their desktop and their thin client machine performs just like the desktop PC they've grown comfortable with and accustomed to.

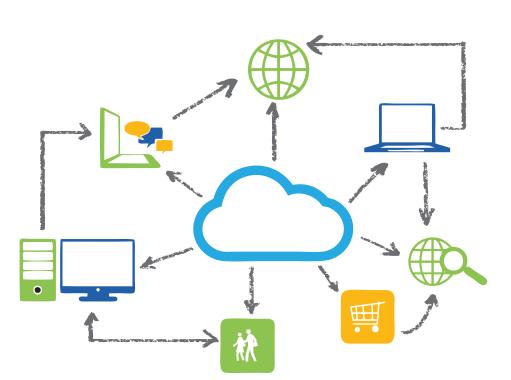
Welcome to the Mainstream VDI

Posted by: The Techster Desktop Virtualization, Matrix42, VDI

Get this, If you're not doing desktop virtualization this year you are now in the minority. According to a survey, 59 percent of companies are either in the process or are planning to deploy desktop virtualization within the next six months.

Of those companies that are either in process of deploying or planning, 32 percent are already deploying and 27 percent plan to start within the next six months. Only four percent of respondents said they have no plans at all to deploy desktop virtualization, with an additional 12 percent saying they don't know what they are planning to do.

We would guess that the data is somewhat skewed: The research was conducted at the 2011 Citrix Synergy San Francisco conference, which would clearly cater to companies inclined towards desktop virtualization, the findings were consistent with the research it conducted at the CeBIT conference in Europe. In fact, the totals among CeBIT attendees were even higher, at 66 percent either deploying or planning to deploy.



Ucloud.commp 11

Virtual Desktop Reality : 49M Units in Two Years?

Source: The Techster Gartner, Hosted Virtual Desktop, VDI, VDI Worldwide Revenue, Virtual Desktop Infrastructure, Windows 7 Migration

If you do a Google search on VDI Worldwide Revenue the article the comes up over and over and over again is a report from Gartner dated March 26, 2009. The numbers are quite staggering and fascinating as well. A little more than two years ago Gartner predicted that the worldwide market for VDI devices, which it called Hosted Virtual Desktop, would be ... ready for this? ... 49 million units by the end of 2013, representing 40 percent of the worldwide professional PC market.

What Are the Drivers for Desktop Virtualization

Posted by: The Techster, Citrix Synergy, Desktop Virtualization, Matrix42, VDI

59 percent of companies surveyed at 2011 Citrix Synergy are either in the process of deploying desktop virtualization, or are planning to deploy within the next six months. I guess that's one of the reasons they were attending the show, right?

So why are they doing it, What are the key drivers to their desktop virtualization initiatives?

Their Answers:

- Reduce management or support costs 42 %
- More user flexibility and mobility
 33 %
- Improved availability or performance
 24 %
- Improved security and compliance 22 %
- Hardware and / or software cost savings 22 %

Five Reasons to Consider VDI

Posted by: The Techster VDI, Virtual Desktop Infrastructure, Windows 7

Since the beginning of time, or at least since the advent of the PC, there has been a constant struggle between IT control and user choice / freedom. The pendulum has swung in both directions. When IT can get control, they tend to seize it. Not necessarily control for control's sake, but in the best interests of the organization. And so it is now with VDI and the potential for IT to seize more control of a client environment that in some ways has gone crazy with freedom of choice, what with smart phones, tablets, iPads and other personal devices connecting to and possibly infecting / effecting corporate networks everywhere. So what are the reasons IT may be looking at gaining more control through VDI ? Here are five to consider:



Security

This is a big one, right? If you can keep all of the information in centralized storage and restrict access to authorized users, it makes managing endpoints quite a bit easier. If a laptop is stolen or lost there's no corporate data on the hard drive to lose. If users can't upload data to a USB drive then that's one less thing to worry about.

Software Management

This is one that organizations are dealing with big-time with the shift to Windows 7. With VDI, however, you have the opportunity to isolate the operating system from the application, so the idea of software migration takes on a whole different meaning.



Speed

With VDI, everything can go faster: From provisioning new devices to migrating software to deploying patches to getting users back up and running after a disaster or some other incident that causes downtime. Increased speed generally means less downtime, which generally means more productivity. More productivity means happier executives, which means happier IT departments. And that alone can make the case for why IT likes control. At least that's what I think.



Hardware Repairs

Companies that have deployed VDI solutions report dramatic decreases in the number of desk-side visits to fix or update devices, with thin clients, the chances of something going wrong with the hardware are diminished because there is no local storage to worry about.



Patch Management

There's a lot of stuff on most PCs : Operating systems, dozens of applications, browsers, anti-virus software, instant messaging and more. Keeping users current on everything can be a pain, and ensuring compatibility and currency are time-consuming, labor-intensive tasks without the right tools.



Storage and Snapshots

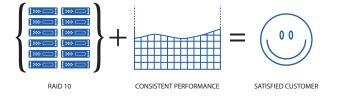
Ucloud Storage provides fast and reliable storage for I/O-intensive applications. In order to meet your business requirements, you can select Standard or Enterprise Block Storage volumes, both of which are connected to Cloud Servers via our high-speed network. There is a constant need for storage in any enterprise, and day-by-day the need for storage continually increases. In fact, investment in storage is one of the major contributors to IT costs.

Reliable I/O for your cloud applications

Emerging applications require reliable storage IOPs (Input/output Operations Per Second) to perform consistently and reliably. Based upon the performance level required for your application Ucloud provides the required IOPs.

High Speed Data

You can enjoy our high speed 20 GB Ethernet internal network connection to your Cloud Block Storage volume if you use our Performance Cloud Servers. A high speed network provides relief from potential I/O bottlenecks. Ucloud Storage increases throughput and higher performance for your applications.





Snapshot

A virtual machine (VM) snapshot is a record of a running virtual machine at a point in time. When you take a snapshot of a VM, its storage information (the data on the hard drive) and metadata (configuration information) is also saved. Where necessary, I/O is temporarily halted while the snapshot is being taken to ensure that a self-consistent disk image can be captured.

Unlike VM exports, snapshots can be created without first shutting down the VM. A snapshot is similar to a normal VM template but it contains all the storage and configuration information of the original VM, including networking information. Snapshots provide a fast way of creating templates that can be exported for backup purposes and then restored, or that can be used to quickly create new VMs.

Disk-only snapshots store a VM's configuration information (metadata) and disks (storage), allowing them to be exported and restored for backup purposes. This type of snapshot is crash-consistent and can be performed on all VM types, including Linux VMs.

In addition to saving the VM's metadata and disks, disk and memory snapshots also save the VM's memory state (RAM). Reverting back to a disk and memory snapshot does not require a reboot of the VM, and VMs can be running or suspended when the snapshot is taken. Disk and memory snapshots can be useful if you are upgrading or patching software, or want to test a new application, but also want the option to be able to get back to the current, pre-change state (RAM) of the VM.

Accessing Orphaned Snapshots

Note that if you take snapshots of a VM and subsequently delete the original VM, you can still access those snapshots: in Folder View on the Resources pane. Click to expand the Types group and then expand the Snapshots group to view all available snapshots.



Reasons to use Ucloud

PAY AS YOU GO

Pay monthly for only what you consume on actual consumption

KEEPING IT SECURE We are protected with the best multi-layer security appliance



LOCATED IN NEPAL

- Local servers within Nepal
- Lightning Fast Connectivity
- No need for international bandwidth



ZERO INVESTMENT

No need to buy Hardware / Software / Genset / UPS / Inverter / Batteries I Zero Operations & Maintenance



RUN ANY WORKLOAD

From Linux to Windows, most database software, Java to C# and more



INCREASE PRODUCTIVITY by using Ucloud VD, block sites (Chat, Social media, Skype) and



LOCAL SUPPORT

- Local 24/7 support
- Managed services available



INSTANT ACCESS

Sign up and access from anywhere

SCALE UP or DOWN

Increase or decrease CPU, Memory and storage based on your requirements



EXTEND YOUR NETWORK Create a L2 or VPN connection between your office locations & Ucloud



WHO USES CITRIX CLOUD?

- Korea Telecom / British Telecom
- Cloud3 / Cloudera / Exoscale
- Softlayer an IBM company
- Tata / WebMD
- Juniper Networks / Zinga







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