

Infrastructure as a Service (IaaS)

Compute



Cloud Server

Cloud Server

Silicon Sky provides an Infrastructure as a Service offering namely Cloud Server. Cloud Server(s) are delivered from Silicon Sky's enterprise-grade Managed Cloud Platform. Cloud Server is a virtual private server that includes a self service portal, unlimited internet traffic and is protected by firewalls. Cloud Server is a cost effective way to deploy and operate a server for any purpose. The service boasts no setup costs, no traffic charges, complete flexibility to scale capacity up and down when needed and a self service portal for your complete control of your server(s).



Virtual Data Centre

Virtual Data Centre

Silicon Sky provides an Infrastructure as a Service offering namely Virtual Data Centre service. The Virtual Data Centre service is a private virtual resource pool that includes a self service portal, unlimited internet traffic and is protected by firewalls. The Virtual Data Centre service consists of CPU, RAM, storage and network that is delivered through Silicon Sky's enterprise-grade managed Cloud Platform. You can choose the amount of resources you require for your Virtual Data Centre and scale up or down when needed. Gold Storage (SSD) and Silver Storage (10K) tiers are available. We can extend or create your own private network for your Virtual Data Centre while choosing from multiple firewall options. A self service portal is provided for your complete control of your server(s).



Dedicated Infrastructure

Dedicated Infrastructure

Silicon Sky offers a Dedicated Infrastructure as a Service solution where infrastructure is dedicated to your business. A bespoke solution is designed based on your requirements by certified infrastructure specialists. Silicon Sky designs, implements and manages the dedicated infrastructure hosted in our data centres. Customers can use a combination of dedicated and shared services to meet specific requirements.

Network & Security



Direct Connect

Direct Connect

Silicon Sky hosts in carrier neutral data centres and has LAN speed access to up to 80 African based network service providers. Should customers use any of the network providers for their network, a direct cross connect allows for a dedicated network connection to be established to Silicon Sky, eliminating the need to connect over the internet.

Direct connections are made using industry standard VLAN's. Direct connections can be made using 1Gbps or 10Gbps. Multiple connections can be added for redundancy or additional throughput.



Shared Internet

Shared Internet

Silicon Sky offers premium internet access through our Shared Internet service to customers hosting on the shared firewall. Internet access can be catered for based on customers' requirements for both inbound traffic and external access.



Dedicated Internet

Dedicated Internet

Silicon Sky offers premium internet access via its multi-carrier converged network, thereby providing the best and most resilient local and international internet breakout options.

Should you require dedicated internet bandwidth Silicon Sky can offer bandwidth solutions according to your requirements. Dedicated bandwidth is supplied with the Shared Firewall Virtual Domain and Dedicated Firewall offerings.



Shared Firewall

Shared Firewall

All Cloud Servers and Virtual Data Centres are protected through Silicon Sky's shared managed firewall appliances. The shared firewall service is enabled by default and allows for customised policies to meet applications access requirements. There is no need for you to manage a firewall on your server.



Shared Firewall - Virtual Domain

Should you require multiple DMZ's, dedicated internet bandwidth and have complex network requirements, Silicon Sky would recommend our Shared Firewall Virtual Domain Service. This Virtual Domain service provides a virtual instance of a firewall appliance. The Virtual Domain is managed by security experts and requires no capital outlay for a firewall appliance.



Dedicated Firewalls

Silicon Sky offers dedicated firewall services for our dedicated cloud servers or Virtual Data Centre service. The dedicated firewall service is managed by security experts. Various dedicated firewall options are available based on your requirements.



Firewall Logging

Silicon Sky offers a security analysis tool built to analyse Firewall logs. With action-oriented views and deep drill-down capabilities, this will not only give you critical insight into threats, but also accurately scopes risk across the attack surface, pinpointing where immediate response is required.



Load Balancing

Should you require simple load balancing, Silicon Sky can offer you a basic solution that will cater for backend server failover and round robin algorithms. Silicon Sky also offers a dedicated load balancer solution for advanced load balancing functionality.



Web Application Firewall

Web applications are often business critical and require specialised security to protect the service and information contained within. Silicon Sky offers a Web Application Firewall (WAF) which will provide this security layer.



SSL Certificates

Silicon Sky will assist you in obtaining the correct SSL certificate for your website and guide you through the process of installing the certificate.



Anti-Virus Service

Silicon Sky offer a managed Anti-Virus service where we will ensure that your Anti-Virus is installed, definitions are up to date and provide monthly reporting on your antivirus ecosystem.

Storage



Cloud Storage - Block

Cloud Storage - Block is a block level storage service. Cloud Storage - Block is a durable, and low-cost cloud storage service for data archiving backup and long-term backup.

Extend storage to your physical server, virtual server, cloud server or virtual data centre with Cloud Storage - Block.



Cloud Storage - File

Cloud Storage - File is a durable, and low-cost cloud storage service for data archiving and long-term backup.

Extend storage to your physical server, virtual server, cloud server or virtual data centre with Cloud Storage - File.



Multi-Cloud Storage (MCS)

Providing all flash performance storage for public, private and managed cloud environments. This service will allow you to instantly migrate any size workload in seconds with no egress costs across clouds with zero lock-in. Reduce your storage costs across all clouds.

Backup & Recovery



Cloud Backup

Cloud Backup, powered by Veeam, allows for backups to run 20X faster than traditional backups. Backups are transferred to a separate physical environment. The backup platform is disk based to ensure speedy backup and recovery. Cloud Backup is a managed service, where backups are scheduled and monitored. Retention periods and frequency of backups are customisable to suite your RPO and RTO requirements.



Veeam Cloud Connect

Silicon Sky provides Veeam Cloud Connect with Silicon Sky's Cloud Storage for customers who have Veeam on premise and wish to back up and replicate offsite.

Veeam Cloud Connect is integrated into Veeam Backup & Replication and with Veeam compression and de-duplication technology, offsite backups and replication over the WAN becomes a reality. Customers can add a Silicon Sky Cloud Backup Storage repository on their Veeam Server as a backup target or add Replica Resources for offsite virtual machine replication.

Backup and replication jobs can be scheduled through Veeam and stored in Silicon Sky's Veeam Cloud Connect environment. This eliminates the need for cumbersome tape rotation and management while still adhering to compliance requirements.

Disaster Recovery



Cold Standby Servers

Cold Standby Servers allows customers to replicate their servers from their on-premise data centre(s) or hosted data centres into Silicon Sky's managed cloud.

Replication is performed at a server level. The organisation's IT administrators can set the amount of servers and frequency of the replication per server. Once the server has been replicated into Silicon Sky's Managed Cloud, the servers are in a Cold Standby state, the server is then available to be powered on and accessible in the event of a DR event.

Cold Standby Servers benefits include a low cost entry point for DR. The service is available starting from a single server per customer enabling customers to select only critical servers or systems that require DR. The service is available for physical and virtual servers.

Desktop



Remote Desktop Services

Silicon Sky offers a hosted desktop service based on Microsoft Remote Desktop Services. Remote Desktop Services are configured according to Microsoft best practices. The servers required are hosted on Silicon Sky's Managed Cloud. Users access their Remote Desktop through the relevant connectivity option chosen. User management is controlled centrally and managed by Silicon Sky.

Applications & Subscriptions



Microsoft Applications

Silicon Sky is a Microsoft Service Provider Partner and can provide Microsoft application licensing for your hosted servers. A wide range of Microsoft applications are available.



Redhat Subscriptions

Redhat subscriptions for Cloud Servers, Virtual Data Centres or dedicated servers are available on request.



VApps

Server and application packaging for off the shelf applications are available for Virtual Data Centre. This helps quickly deploy an application stack. Typical 3 tier application architecture Vapps are available on request to ensure reduced time to market.

Managed Colocation - Rack Space



Need some rack space in a hurry? Bring your own server and we will co-locate it for you. We offer rack space on a per rack unit basis. Choose your location in South Africa's leading data centres. Rack space includes power, network connectivity and shared fire-wall services.

Contact

one of our account managers
today to find out more about
our IaaS offerings!

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