

Managed Cloud

Compute

CLOUD SERVERS

Silicon Sky provides Cloud Servers from its Enterprise Grade Managed Cloud Platform. A cloud server is a cost effective way to deploy and operate a server for any purpose. The service boasts no setup costs, complete flexibility to scale up and down in capacity as your business changes. There is no need for expensive IT equipment and resources. Silicon Sky provides a managed high end compute and storage infrastructure for you to leverage for your business applications in a cost effective manner.

VIRTUAL DATA CENTRE

Silicon Sky Offers a Virtual Data Centre Service that is a virtual resource pool consisting of CPU, RAM, Storage and network. 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. Provision your own Virtual Servers or Virtual Apps through our self-service portal. Many Virtual Machine Image templates are available for fast provisioning. You can manage and monitor your Virtual Servers through our self-service Portal.

SELF-SERVICE PORTAL

The Silicon Sky Self-Service Portal provides a single console view of all Virtual Servers hosted with Silicon Sky. IT administration tasks can be performed through the portal. The administration tasks that can now be performed are as follows:

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

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.

REMOTE ACCESS

Silicon Sky offers secure SSL VPN access to Cloud Servers and Virtual Data Centre environments. SSL VPN is a far more secure option for remote management of systems rather than exposing access protocols such as RDP and SSH directly to the internet. SSL VPN Access can also be used as an alternative for end user application access.

Silicon Sky offers additional two-factor authentication via a One Time Pin (OTP) Mobile application for IOS and Android.

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

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

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 customized 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 or cloud servers. 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 with operations perspective. 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.

VULNERABILITY ASSESSMENTS

Silicon Sky through a third party offers a vulnerability assessment that evaluates system and network security in order to identify possible vulnerabilities or areas of exploitation. This assessment can be done to fulfil a requirement for compliance or to test current security policies and procedures.

PENETRATION TESTS

Our Penetration Tests are carried out by third party Security Experts kicking off with a pre assessment workshop to understand your requirements and environment followed by delivering a post assessment feedback workshop and Penetration report.

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 Antivirus service where we will ensure that your Antivirus is installed, definitions are up to date and provide monthly reporting on your antivirus ecosystem.

Storage

CLOUD STORAGE

Silicon Sky's Cloud Storage service is a block or file fully hosted and managed storage service managed by storage experts. Cloud Storage provides storage over TCP/IP (SMB, NFS or iSCSI) at highly competitive rates. Extend your Cloud Server, Dedicated Server or Backup Server to our Cloud Storage.

CLOUD STORAGE - ISILON

Silicon Sky offers cloud Storage based on DELL/EMC Isilon. Isilon storage is file based storage and is well suited for long term archival storage with high speed retrieval. Common use cases are video surveillance.

Backup & Recovery

CLOUD BACKUP

Cloud Backups is powered by Veeam that 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 backups 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. Backups 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-premises 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.

DESKTOP BACKUP

Silicon Sky offers a cloud desktop backup solution called Skybox. Skybox is a cloud storage service that enables users to backup and synchronise PC's and Mac's to the cloud.

Skybox protects your files by keeping a copy safely online. It's hassle-free, easy-to-install, secure and backs up your entire PC or Mac, no matter how many files you've got!

Skybox works quietly in the background to protect your files as you use your computer. You don't need any technical knowledge, and it backs up all of your folders or only folders you select. You can restore your files at any time with one click.

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

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

Contact

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

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