

Cloud Services

Enterprise & Private Cloud

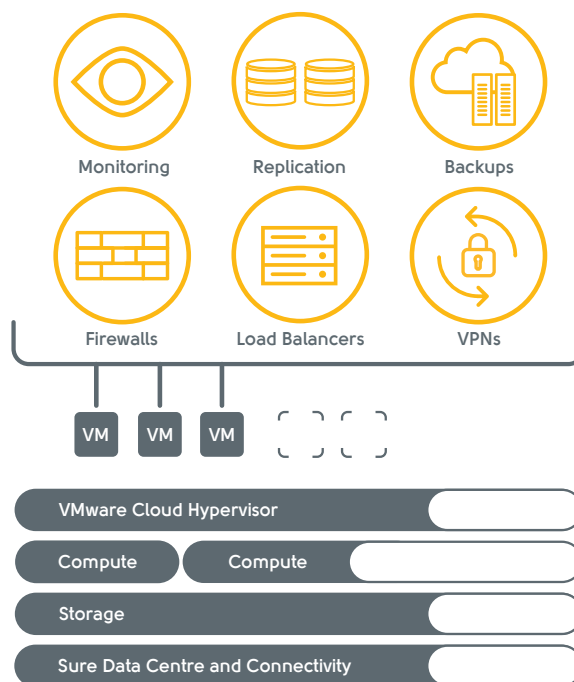
Infrastructure-as-a-Service (IaaS)

Sure have created significant enterprise and private cloud infrastructure-as-a-service (IaaS) in its data centres, this allows customers to call on compute and storage on-demand and with a pay-as-you-go model but without owning the underlying infrastructure.

This type of virtual infrastructure is ideal for customers who keep sensitive customer records or client details such as credit card information that they don't want to entrust to public clouds. It may be that your business offices are not suited for running server infrastructure and you want a more flexible solution than colocation or you would like to move to a demand driven Opex model.

Sure vCloud

Tools & Applications
Tools allowing management of the virtualised environment for network, security & monitoring are supplemented by user applications for replication and backup.



Virtual Machines
At the core of the Sure vCloud are the Virtual Machines (VM's) which are a combination of application and operating system software.

Environment
Supporting the vCloud environment is the underlying hardware and software infrastructure housed in Sure's Tier III data centres as well as extensive connectivity to the outside world.

Key Advantages

- » Ability to migrate services or implement IT projects quickly
- » Stay current with compliance regulations
- » A flexible virtual datacentre to run your server workload
- » Complete control over virtual machines, networks, VPNs, load balancers via a web portal and APIs
- » Easy to migrate from existing physical or virtual environments, whether on-premise or with another service provider
- » Cost effective resource pooling passing the full benefits of virtualisation back to you
- » Can be integrated as part of a hybrid-cloud solution or as an effective disaster recovery strategy

Enterprise & Private Cloud Features

Cost-Effective Cloud

Pre-paid and post-paid cloud consumption models are available. Pay-as-you-go billing, based upon the number and size of virtual machines running, is comparable with the "instance-based pricing" of other cloud providers.

Real savings can be achieved when committing to a pool of resources. A "virtual data centre" allowing you to control the oversubscription of resources and reduce wastage. The full benefits of virtualisation are passed back to you instead of other cloud tenants.

Secure & Resilient

Our Enterprise-grade cloud is designed to have no single points of failure. Sure's cloud operates out of our Tier III data centres in Jersey and Guernsey. Multiple layers of security protect what matters most - the confidentiality, integrity and availability of your data. Multi-factor authentication and SSL encryption protect the administrative front-end. Furthermore, Sure's hosting services are ISO 27001 certified, the benchmark for Information Security Systems.

Encrypted Storage

All our customer VM data and backups are encrypted at rest, using (FIPS compliant) 256bit AES ciphers and with no performance penalty.

We also offer an advanced hybrid key management solution from HyTrust for situations where you need to keep the encryption keys in another location.

Regular Backups

Custom retention policies are available, and your cloud backups can be monitored and configured via a Veeam web portal.

Replica Availability Zones

Deploy your clustered cloud workload across our pan-island cloud platform, or choose to keep replicas of your VMs ready for instant failover. Replication can be monitored and controlled via our Zerto web portal.

Web Portal & APIs

Our cutting-edge (HTML5) cloud portal gives you access to real-time performance and billing metrics. All aspects of your virtual data centre environment can be controlled, including VMs, Networks, VPNs and Load Balancers. Compute resource pools can be re-sized at the click of a button, allowing you to balance running costs, capacity and performance with ease.

Finally, API access gives you the option to automate and orchestrate your cloud environment for the ultimate operational efficiency.

I/O Performance Choices

Our VM-aware flash storage platform from HP allows the selection of two tiers of access speed; standard or performance giving you control of cost vs. performance for your applications.

100% Uptime SLA

Our Cloud platform is purposefully different from hyper-scale platforms such as AWS or Azure. Critically our contractual SLAs make cloud suitable for more traditional Enterprise businesses who cannot tolerate downtime for any given service.

Advisory & Design

At Sure we have a team of specialist consultants with expertise in designing and optimising customer networks including the migration to cloud-based solutions. Ask your account manager how Sure's Advisory & Design Services can help modernise your infrastructure.