

Mavin Cloud Overview

- PUBLIC CLOUD
- PRIVATE CLOUD
- HYBRID CLOUD

Through the Mavin Alliance we provide you with our top class infrastructure of Data Centres with a national core MPLS network so you can take advantage of the benefits that technology brings. We have total control, giving you the flexibility to react dynamically to your different business requirements.

Launched in 2005, we have grown rapidly with our comprehensive service offering and the growth in demand for hosted IT and communications from fast growing businesses across the UK. Our competencies include Colocation, Managed Hosting, Cloud Infrastructure, Connectivity, SIP Trunking and Hosted Telephony. We have four state-of-the-art Data Centre facilities: one in Northampton, one in Leeds and two in Derby. Our Data Centres offer the latest in security technology, ensuring that even the most mission-critical applications are hosted securely and protected.

In addition to our infrastructure of top class Data Centres, resilient national network and enterprise-grade Cloud platform, we have a strong business culture that is built around working in partnership with you. We believe in flexibility because everyone is different and we view our customers as partners, working with you aiming for the best customer experience.

What is Mavin Cloud?

Utilising enterprise class technology from VMware, Cisco and EMC our team of expert engineers have designed and built a scalable, flexible and resilient multi-site Cloud virtualisation, storage and backup platform to deliver a range of solutions to suit your business needs now and in the future.

Whether you need a single development server, a load balanced dual-site set of web servers, a comprehensive Disaster Recovery strategy or a private virtualised environment we have a solution to suit you.

“For us it is all about the customer, plain and simple. We are a consultative bunch who listen intently, collaborate openly and deliver effectively. With the aim of making everyone’s world revolve more smoothly.”

For more information please contact us today:

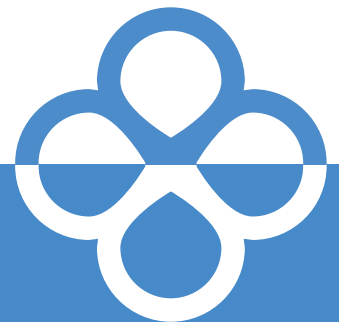
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Features and Benefits:

- **Avoid** the large capital investment usually associated with a virtualised environment but still benefit from the latest technologies with a simple OPEX based pricing structure.
- **Accurately forecast** your IT budget even with unpredictable company growth since with our simple modular pricing model it is easy to see how your costs scale as you grow your environment.
- **Radically reduce** your risk for minimal incremental cost by quickly and easily deploying a multi-site solution, since we have capacity available now at multiple Cloud locations, all connected by our best of breed MPLS network core.
- **Protect** your existing services while you migrate your infrastructure since our flexible engineers are experienced in multiple bespoke Cloud configurations, including options to utilise our shared Public Cloud, build your own Private virtual environment or adopt a Hybrid deployment.
- **Enjoy** complete solution flexibility because we have total control over our infrastructure and can be completely flexible in offering a solution tailored to your exact requirements.
- **Have complete control** of your data using our VMware virtual environment that won't lock you in making it is easy to change provider - unlike some cloud solutions where it can be difficult to transfer your data out.
- **Comply** with the strictest industry security standards and keep your data safe from intrusion since N4Cloud is deployed in our Data Centres which are carrier class always available facilities, ISO 27001 Security accredited and with the best environmental controls.
- **Concentrate** on your own services and leave our experts to maintain your infrastructure according to the latest industry standards since our highly trained engineers have years of experience delivering Cloud technologies.

“Most importantly, we all share the same vision and core values which underpin our excellent customer service.”



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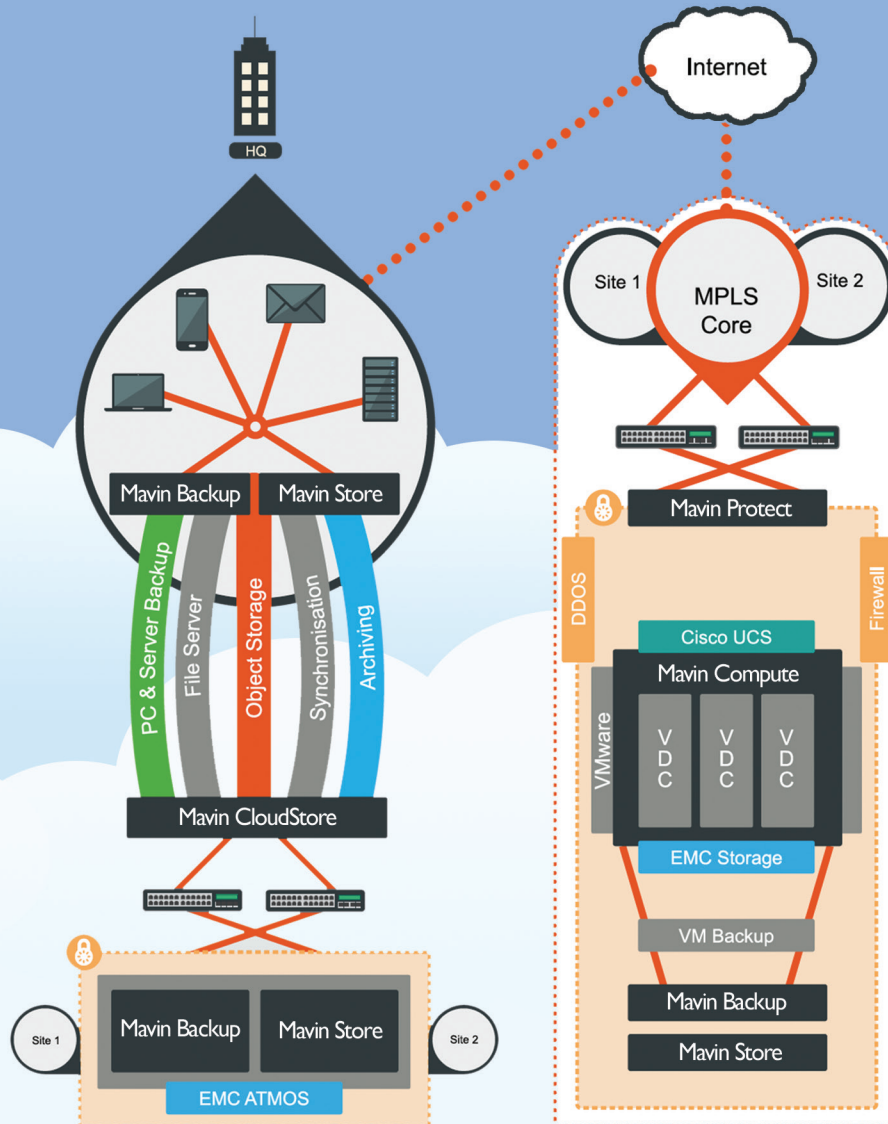
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MAVIN CLOUD

Scaleable, flexible and resilient multi-site
Cloud virtualisation platform



“We like to develop robust and lasting relationships with our clients by delivering outstanding, fit-for-purpose and innovative solutions.”

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Our Cloud Products:

Everyone is different which is why we have a range of options that you can select to build a Cloud solution that is right for you.

MAVIN COMPUTE

- *Online*
- *Machine Build Configuration*
- *Deployment*

Our highly resilient, multi-site Cloud virtualisation platform is based on enterprise grade technologies from VMware, Cisco UCS and EMC. By operating on an OPEX based pricing structure we offer you a solution which means you can benefit from the latest technologies without making significant capital investment. With our easy to use online portal you can build your own machines and simply allocate or reallocate the number of processors, memory, storage and OS required.

MAVIN PROTECT

- *Firewall*
- *Intrusion Detection Configuration*
- *Control*

Security is critical for any environment that is connected to the Internet. Secured by our industry leading security services N4Protect can be configured to meet your needs whatever firewall solution you need, so you can rest assured that your environment is protected from intrusion at all times. Available on a 'per dedicated virtual appliance' basis you have control to configure your own fully featured firewall including dual site, site-to-site VPNs, NAT, static routing, DDOS and more.

MAVIN STORE

- *Data Backup*
- *Storage Collaboration*
- *Archiving*

Our suite of storage solutions are powered by geographically distributed instances of EMC's Atmos. From this platform you can benefit from backup, sharing, collaboration, archiving and object orientated storage tools on a very simple per gigabyte, per month pricing model. If you want bulk low cost storage we are also able to offer iSCSI attached storage with dual power and controllers that can survive multiple disc failures.

MAVIN BACKUP

- *Flexible*
- *PC*
- *Server*
- *Virtual Machine*
- *Backup*
- *Recovery*

Data is vital to the running of your business and losing data can have catastrophic consequences. Our sophisticated suite of backup options allows you to backup PCs, Servers or Virtual machines (VM level) to Mavin Cloud with flexible policy options including offsite backup so you can design a disaster recovery strategy that is suited to your needs, saving time and reducing loss in the event of an emergency.



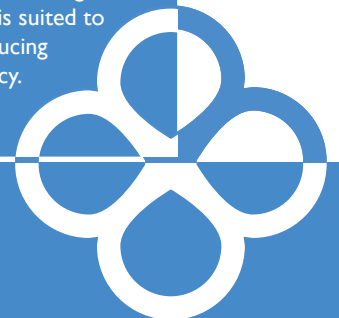
RELATED SOLUTIONS

Applications and Licenses

Complete your cloud environment by renting licenses from various vendors including Microsoft, Citrix, VMware and Symantec.

Installation and Support

Our in house accredited support team can provide services including design, implementation and on-going support contracts. We also offer a variety of support packages to give you complete peace of mind.



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Disaster Recovery and Business Continuity

The multi-site and duplicated infrastructure of Mavin Cloud makes it easy to deploy a Disaster Recovery infrastructure physically removed from your primary location. This can be used to significantly reduce your risk by decreasing the impact of certain events on your ability to do business.

Our skills, expertise and infrastructure mean you can have the DR strategy you want and need at a cost that suits you – all tailored to the assessment of risk appropriate to your business. We will work with you to design a comprehensive DR strategy incorporating multiple technologies tailored to your needs as appropriate including replication, active-active, automated failover, restore paths and failure testing procedures

Failover and failback testing can be carried out for a number of DR scenarios in a safe environment and without any risk to your live systems so you can ensure that your DR process works correctly should it need to be put into action.

Features to Consider in Disaster Recovery

- 
CONSOLIDATION

Combining multiple storage and backup services into a single device makes it easier to manage, share and keep your files protected in one place.
- 
SECURITY

In transit your data is protected at the same high level as e-commerce transactions and is stored on our storage platform in our highly resilient Data Centres.
- 
COST

You determine what and how much is backed up to the cloud which in turn means you are in control of your spending.
- 
COMPLETE CONTROL

You can control your backup plan including scheduling backups to suit your business recovery plan whilst also controlling how much bandwidth is used.
- 
EFFICIENCY

Schedule and manage backups from within your online management tool or directly within windows explorer and get back to work super-fast with LAN speed restore.
- 
COMPLIANT

You can control your backup plan including scheduling backups to suit your business recovery plan whilst also controlling how much bandwidth is used.
- 
CLOUD

Schedule and manage backups from within your online management tool or directly within windows explorer and get back to work super-fast with LAN speed restore.



RELATED SOLUTIONS

Data Centre

We recognise that it is vital for fast growing businesses to protect their mission critical data and applications. Our highly resilient UK based Data Centres offer the latest in security, power and cooling technology. We have full ownership of these sites giving us complete control which means we can be flexible and deliver the solution exactly as you need.

Connectivity

We have made significant investment to design, build and operate a robust and flexible MPLS core network infrastructure, providing businesses with a broad range of services. You can use this network to connect your sites to the Internet or to access hosted services.



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Technologies

With Mavin Cloud you can rest assured that the applications and data you use to run your business will be always available both now and in the future since our infrastructure is built on Enterprise Grade next generation hardware.

Here is a snapshot of some of the vendors and elements utilised:



Cisco - Cisco offers a truly integrated foundation for your private cloud. By using the Cisco Unified Computing System (Cisco UCS) you can enhance performance, energy efficiency and flexibility. Cisco performance computing can also be combined with Cisco's market leading ASA security appliances in order to protect your virtual environment.



EMC - Through the VNX/VNXe series unified storage EMC have brought together their market leading block storage products with their market leading enterprise file storage products to offer you a best-in-breed unified storage platform that is simple, efficient, powerful and affordable.



EMC Atmos - Our suite of storage solutions are powered by geographically distributed instances of Atmos, EMC's object-based cloud storage platform which is designed to store, archive and access unstructured content at scale.



VMware - Virtualisation is the essential catalyst for cloud computing. As the virtualisation leader, VMware builds on this solid foundation with platforms and solutions to power your cloud infrastructure, build and run robust cloud applications, and supply end-user computing as a cloud based service.



Microsoft - Microsoft provides and supports products in a range of different marketplaces. The Microsoft Office solution is the world's most popular office productivity suite. Its server software including Server 2003, 2008 and 2008 R2 is market leading. Its desktop products including windows & are used on more than half a billion PCs and Laptops. For Virtualisation Microsoft has the Hyper-V offering.



Citrix - The market leader in desktop transformation, products include XenApp and XenDesktop and Netscaler. Citrix has also developed a portfolio of cloud management products these include CloudBridge a product that allows you to extend your networks into the cloud and then easily migrate servers to the cloud.



Veeam - Replication, backup and management of a server environment is complex and requires specialist knowledge of the underlying architectures. Providing these services for a virtualisation environment is even more complex. Veeam software simplifies the management, backup and replication of virtualised environments by providing solutions to these problems that are tightly integrated with both VMware vSphere and Microsoft Hyper-V.



"Since Mavin's creation in 2005 we have become recognised as a leading provider of global ICT services, synonymous with the delivery of Award Winning, No-Nonsense, desktop to datacentre services to a worldwide customer base."

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