



Microsoft Azure





# Azure explained

## What is Azure?

Microsoft Azure is an open and flexible cloud platform that enables the management of applications across a global network of Microsoft-managed data centres. It enables the Integration of public cloud applications with any current/legacy IT environment.

## What's included;

Azure is able to achieve many things and deliver a wide range of benefits to your business. We have included the features most relevant to SME businesses. Should there be other elements of Azure that interest you, please get in touch.

- Azure Site Recovery
- Azure Backup
- Azure Security Centre
- Enterprise Mobility with Azure

# Microsoft Azure

*Microsoft expertise*



# Azure Benefits

## How Azure helps your business

Azure is a powerful tool that can be deployed for multiple solutions and situations. It provides an open framework on which to build applications, a platform to grow your business for a larger and more complex market. A way of increasing and managing your data security. And seeing the benefits of business operation; smoother scaling and transition which future proofs, adding a robust framework and security.

London Systems provides the expertise need to advise, create and deploy the Azure solution you need.



*Microsoft Gold Partner*



# Azure in detail

## Azure Site Recovery

Every organisation needs a business continuity and disaster recovery plan. It keeps apps/data safe and available during planned and unplanned downtime, and recovers to normal working conditions as soon as possible.

- Simplifies the Business Continuity and Disaster Recovery. Replicate, fail over and recover multiple workloads from a single location in the Azure portal. Site recovery orchestrates replication and failover, without intercepting application data. Site Recovery
- Eliminate a secondary Data Centre. Replicate workloads to Azure, rather than to a secondary site.
- Perform easy replication testing. Easily run test failovers to support disaster recovery drills, without affecting production environments.
- Fail over and recover. Run planned failovers for expected outages with zero-data loss, or unplanned failovers with minimal data loss (depending on replication frequency), for unexpected disasters. You can fail back to your primary site when it's available again.

## Azure Backup

Azure Backup is the Azure-based service for back-up, protection and restoration of data in the Microsoft cloud. Azure Backup replaces any existing on-premises or off-site backup solution with a cloud-based solution. It offers multiple components that are downloaded and deployed via computer, server, or in the cloud. And the component chosen is dependent upon what you want to protect.

- Automatic storage management. Azure Backup automatically allocates and manages backup storage, in a pay-as-you-use model.
- Unlimited scaling. Delivers high-availability with no maintenance or monitoring overhead.
- Multiple storage options. An aspect of high-availability is storage replication. Azure Backup offers two types of replication: locally-redundant storage and geo-replicated storage.
- Unlimited data transfer. No limit of the amount of inbound or outbound data you transfer.
- Data encryption. Allows for secure transmission and storage of your data in the public cloud. You store the encryption passphrase locally, and it is never transmitted or stored in Azure.
- Application-consistent backup. A recovery point has all required data to restore the backup copy. Application-consistent backups, which ensures additional fixes are not needed to restore the data.



# Azure in detail

## Azure Security Centre

Security Center helps to prevent, detect and respond to threats with increased visibility. It provides integrated security monitoring and policy management across your Azure subscriptions, helps detect threats that might otherwise go unnoticed, and works with a broad ecosystem of security solutions.

### Prevention

- Monitors the security state of your Azure resources, defines policies for your Azure subscriptions and resource groups.
- Uses policy-driven security recommendations to guide set-up of implementing needed controls.
- Rapidly deploys security services from Microsoft and partner.

### Detection

- Automatically collects and analyses security data from your Azure resources, the network and partner solutions.
- Leverages global threat intelligence from Microsoft products and services.
- Applies advanced analytics; machine learning and behavioral analysis

### Responses

- Provides prioritised security incidents/alerts, insights into the source of the attack and impacted resources. Suggests ways to stop the current attack and help prevent future attacks.

## Enterprise Mobility with Azure

Help to keep your business secure from threats on every front: user access, devices, apps and data. Provide your team with the access, apps and familiar experiences across iOS, Android and Windows with built-in security that doesn't get in the way.

### How EMS helps

- Better Office management. EMS integrates with Office and is the only solution that brings managed mobile productivity with Office across platforms, with or without a device enrollment.
- Single identity for accessing company resources. EMS manages access, both on-premises and in the cloud, with a single identity.
- Extensive protection of corporate email and documents across four layers. EMS helps to protect at the identity, device, application, and data layers.



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