



SOLUTIONS ARCHITECTURE AND DESIGN


DESCRIPTION:

Designing with cloud in mind.

Whether you are launching a new project with a desire to be 'Born in the Cloud' or are redesigning your infrastructure to take advantage of the scalability and resilience that the cloud provides, we can architect a solution that fits.

While the cloud does hold a lot of similarities with traditional IT infrastructure, there is much to be gained from designing every aspect of your infrastructure with cloud in mind. From lower startup costs and TCO to having your infrastructure globally available, resilient and scalable, the cloud can change the way you do business.

TECH OVERVIEW:

We design Azure solutions to be firmly devops-centric, using technologies such as Azure Resource Manager  templates to code your infrastructure. This means that it is easy to bring up multiple copies of your core environments for testing and QA. Any changes that are made to your resources can be mapped and represented in code, ensuring that test infrastructure is an exact copy of what your live application runs on.

For companies developing custom applications on Azure, we can help set up continuous integration systems, such as Azure Pipelines, allowing developers to push code and have it automatically deployed to Azure.

We help build infrastructure which will scale as your application and traffic scales, but which can start off small if needed. Fault tolerance and resilience are at the core of our designs so that we'll help ensure that applications continue even if individual instances or availability zones are lost.

COST:

For more details on this service, or to discuss pricing on your requirements - contact us today

While designing the best cloud solution for you we focus on the following points;

• Business requirements

- > Multiple Subscription to accommodate multiple Business Units for bespoke Billing model
- > Resource Tagging for Billing.

• Technical requirements

- > Full holistic appreciation of existing tech stack where technical requirements are captured whether they are non-functional requirements such as resiliently, scalability etc or functional requirements such as must use. NET framework, Reporting Requirements or Legal or Regulatory Requirements.

• Security requirements

- > Perimeter Security
- > East / West Security
- > Full Stack Security Inspection from VM hardening according to CIS guidelines and Network Security Groups
- > Database encryption / obfuscation
- > Active Directory Identity Access Management / Domain Services

• Disaster Recovery requirements

- > Site Recovery
- > Storage Account / Blob redundancy
- > Network requirements such as ExpressRoute and Active-Active S2S VPN

• Current state

- > Baseline Architecture

• Desired end state

- > Target Architecture with gap and risk analysis

• Utilisation of 3rd party Azure Marketplace Virtual Appliances such as:

- > F5 Application Delivery Controllers
- > Checkpoint CloudGuard
- > Symantec Endpoint Protection
- > Trend Deep Security

This gives us a clear view of where you are and where you want to be. Once the foundations of your design are in place, we will work with you to ensure that your specifications and requirements are met and that you have a solid cloud-focused infrastructure design ready to be rolled out.

