



Overview

Our client is one of Australia's leading Super funds with over 1 million members nationwide.

They had recognised the requirement for a new public website and a member portal was desired. It needed to be on a new cloud platform which required them to move away from their previous cloud provider.

Diaxion completes Microsoft Azure cloud based solution, design and installation.

The Business Challenge

Our client required a cloud platform to host their new Sitecore based public website, having a need to migrate it from their current private cloud provider. A hybrid cloud setup in Microsoft Azure was established as being the ideal platform which meant designing and implementing a new Azure tenancy in addition to the Sitecore elements.

With no tenancy in place, the timelines for getting it implemented with approved designs and an environment built ready for a Sitecore based website would be a challenge, since it would not allow the time for Azure Infrastructure as a Service options to be utilised due to internal policies requiring the use of appropriate Standard Operating Environments needing to be approved. This meant that the entire Sitecore environment within Azure had to be designed and implemented entirely on the available Platform as a Service (PaaS) services, which was a first in Australia for the website developers.

The Diaxion approach

Diaxion owned and managed the end to end design and creation of the Azure tenancy and deployment of the technical environment including integrating the on premise Active Directory users in a hybrid cloud configuration.

Through workshops with Senior IT management and internal Architects, Diaxion were able to establish the Azure organisational structure and develop a strategy to achieve defined project goals. A high-level design was mapped out to see how the required Azure PaaS resources (i.e. Active Directory, Web Apps, SQL, Redis, and Search) would integrate with each other and any non-Microsoft resources, such as Sitecore and MongoDB.

As the environment's purpose was to host the public website for our client, an integral part of the design was developing to Sitecore platform availability requirements of near



Fun Fact

Diaxon designed and delivered the first all PaaS Azure environment in Australia for a Sitecore deployment by a partner

zero downtime using available Azure resources only.

Diaxon used a method for efficient building and rebuilding of Azure PaaS resources in all environments from Production to User Acceptance Testing. Using PowerShell and JSON scripts helped streamline the implementation phase and assure deployment consistency. Diaxon completed a detailed design by closely working with internal architects and third party developers which mapped out every configuration item and service to be implemented including storage, network, Role Based Access Control, and scripts.

The Outcome

Diaxon have an excellent working relationship with our client and a history of delivered projects that has always exceeded expectations. Diaxon was chosen not only for our in-depth understanding of their environment but also for our trusted methodology.

Diaxon implemented a hybrid cloud configuration to integrate with Microsoft Azure PaaS services to host the Sitecore based public website. This reduced management costs significantly by avoiding the use of IaaS components. On-premise users authenticated to Azure PaaS services from local Active Directory accounts synced to Azure AD with a Multi Factor Authentication secured process. Azure SQL services were implemented in two regions with Elastic Pools to help control database throughput and active-geo replication for redundancy and minimum downtime. As MongoDB is not offered by Azure as a service, we resolved the issue by using redundant configurations that were achieved by employing an external third party to run MongoDB as a service (DBaaS).

Diaxon was able to reduce the build time of environments dramatically, especially in cases where several replica environments were required.