



Linux Academy

Case Study

Secure
Resources

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Business Overview

Apex Technology Solutions is a provider of Azure security solutions and consulting. They work with smaller companies to assist them in securing Azure-based resources and also work within customers' systems to secure those assets.

Apex Technology has three new customers.

Rocket Partners is a startup company with no existing technological infrastructure. They are creating their systems in Azure, from scratch.

Rocket Partners needs to allow partner companies to work within their systems and assist them in developing new Azure resources.

Shaggy Dog Pet Groomers is a fast-growing chain of pet salons that wants to migrate its current on-premises systems to Azure to accommodate their multinational growth.

Additionally, Shaggy Dog wants to expand the reach and usefulness of their website by offering single sign-on to all of their web properties.

Staid HealthCare is a long-established regional chain of doctor's offices. They are in a tightly regulated industry and are very concerned about the security of their data, all of which is federally protected health information.

Technical Overview

Apex Technology Solutions is hired to provide the best technical solution to each customer's needs.

All of Apex Technology's solutions are based in Azure. In those cases where on-premises solutions are required, Apex only implements what is needed to correctly interface the on-premises solution with Azure.

Business Requirements

Apex Technology must solve its clients' needs using the most efficient and least expensive option available. In those cases where the least expensive option is not the most efficient, the solution must use the most efficient option.

Rocket Partners has no existing systems, so there is no restriction on how Apex solves their needs.

Shaggy Dog Pet Groomers wants to migrate its existing on-premises Web servers and corporate network to Azure, gradually over time.

Initially, Shaggy Dog's on-premises corporate network and Active Directory Domain Services identity store must be used to maintain corporate identities, but Apex is free to use any solution it likes to maintain customer identity, provided that solution can be leveraged by any web-based platform.

Staid HealthCare is very nervous about having its data in the cloud. All cloud-based data and systems must be protected from eavesdropping and theft, at all times.

Technical Requirements

Apex Technology Solutions must only use Azure services that are generally available. Apex Technology must employ the most efficient solution to each need.

Rocket Partners must be able to centrally manage the identities and permissions of its business partners to view, configure, create and modify its Azure services.

Shaggy Dog Pet Groomers must be able to implement single sign-on to its website using Facebook, Microsoft and Google accounts. Customer identity must be maintained in a system that allows access via OAuth.

Staid HealthCare must ensure its database, file and disk data are all protected at all times. Additionally, data must be protected during transport.

Additionally, Staid HealthCare would like to implement single sign-on to its websites, using Facebook, Google and Twitter accounts.