PROPERTY EXCHANGE AUSTRALIA LTD (PEXA): CLOUD-BASED DEVOPS IMPLEMENTATION IMPROVES SPEED TO DELIVERY AND REDUCES ENVIRONMENT PROVISIONING COSTS.
Accenture collaborated with Property Exchange Australia Ltd (PEXA) to implement DevOps to improve its speed of delivery by more than 95 percent—going from 21 days to 8 hours—and reduce cost of provisioning by 80 percent.
Property Exchange Australia Ltd (PEXA) partnered with Accenture to implement DevOps in order to automate its delivery process and quicken delivery times while adding greater consistency, quality and stability to the process.

Accenture helped with the build, development, implementation, deployment of an automated custom DevOps platform for the company’s development and test environments on Amazon Web Services (AWS).

The implementation reduced manual effort, and improved productivity and quality by eliminating human error and secured quicker turnaround for incidents and testing releases.

These enhancements reduced cost of quality with configuration and deployment by nearly 75 percent and environment provisioning costs by 80 percent.

Most importantly, the client realized a faster time to deliver, going from 21 days to provision an environment to just eight hours—a 95 percent reduction.
The company sought to cut down on the amount of time and resources it needed to manually provision non-environments. Manual provisioning was leading to inconsistency in their build process and slower delivery times, a problem compounded by lack of configuration management across the landscape. The company targeted DevOps as an area of opportunity to infuse greater process rigor in pursuit of stability and speed to delivery. DevOps is a software development method that aims to help an organization rapidly produce software products and services and helps improve operations performance.

Opportunity

The company sought to cut down on the amount of time and resources it needed to manually provision non-environments. Manual provisioning was leading to inconsistency in their build process and slower delivery times, a problem compounded by lack of configuration management across the landscape. The company targeted DevOps as an area of opportunity to infuse greater process rigor in pursuit of stability and speed to delivery. DevOps is a software development method that aims to help an organization rapidly produce software products and services and helps improve operations performance.

Client Profile

Property Exchange Australia Ltd (PEXA) is a digital property exchange network based in Australia. It allows lawyers and conveyancers to electronically lodge Land Registry documents, and complete Financial Settlement. With more than one million property transactions considered “in scope” each year, the unique PEXA platform reduces the time spent preparing instruments, removing the need to physically attend settlement and using technology to greatly reduce the prevalence of errors and failures in land transactions.
The company partnered with Accenture for help in improving its environment provisioning and configuration management capabilities to reduce time to deliver environments while improving quality and stability. The Accenture team collaborated with PEXA engineers to help the company build, develop, implement, and deploy an automated custom DevOps platform for the company’s development and test environments on Amazon Web Services (AWS).

This new, automated platform enabled repeatable process and improves efficiencies across the software development lifecycle. These changes redefined how source code is checked-in, stored, packaged and deployed to target environments in a repeatable, automated and efficient manner.

The joint engineering team also provided support for the application stack encompassing more than 14 environments and 60 servers. To help the client facilitate a stable and steady application development environment, the team created more than 13 modules and several build and deployment projects. The Accenture resources on the joint engineering team consisted of one architect who worked onshore, and a three-member build team and a four member infrastructure management team based at Accenture Delivery Center in Philippines. The onshore Architect focused on the overall automation and putting together all the components to form the platform. The team in the Philippines was responsible for release management and branching aspects, which consisted of about 20 to 25 percent of the project work.
Results

The DevOps implementation helped standardize and infuse the company’s development process with greater rigor and quality. These initiatives helped the client reduce manual effort, improve productivity and quality by eliminating human error and secure quicker turnaround for incidents and testing releases to improve environment availability.

By embracing the new software development culture, the client was able to enhance efficiency. This came about through: improved defect detection through automated testing, the larger collaborative and integrated ecosystem granting more power to the developers and reducing the time to recover due to a failure via automation of infrastructure build and deployment as code. The new software culture also helped reduce cost of quality associated with configuration and deployment by nearly 75 percent and environment provisioning costs by 80 percent. Most importantly, the client realized a faster time to deliver, down from the previous duration of 21 days to provision an environment to just eight hours—a more than 95 percent reduction, allowing it to respond to changing business requirements in a more nimble and agile manner. The DevOps capability enabled smoother and fast delivery through frequent releases to the business, which contributed to helping the client to more rapidly expand its customer base.
The Accenture AWS Business Group offers integrated consulting and technology solutions designed to help enterprise clients take advantage of the flexibility and economics of an “as-a-service” operating model where IT and business services are delivered on-demand, via the AWS Cloud. Accenture is a Premier Consulting Partner in the AWS Partner Network (APN) and one of a select few global systems integrators to achieve the recently launched AWS Migration Competency. Accenture is also an audited member of the AWS Managed Service Partner program and was recognized by IDC as a leader in public cloud services, in both Industry Cloud Professional Services and Worldwide Cloud Professional Services, in recent MarketScape reports.

ABOUT ACCENTURE AWS BUSINESS GROUP

The Accenture AWS Business Group offers integrated consulting and technology solutions designed to help enterprise clients take advantage of the flexibility and economics of an “as-a-service” operating model where IT and business services are delivered on-demand, via the AWS Cloud. Accenture is a Premier Consulting Partner in the AWS Partner Network (APN) and one of a select few global systems integrators to achieve the recently launched AWS Migration Competency. Accenture is also an audited member of the AWS Managed Service Partner program and was recognized by IDC as a leader in public cloud services, in both Industry Cloud Professional Services and Worldwide Cloud Professional Services, in recent MarketScape reports.

This document makes descriptive reference to trademarks that may be owned by others. The use of such trademarks herein is not an assertion of ownership of such trademarks by Accenture and is not intended to represent or imply the existence of an association between Accenture and the lawful owners of such trademarks.

This document is produced by consultants at Accenture as general guidance. It is not intended to provide specific advice on your circumstances. If you require advice or further details on any matters referred to, please contact your Accenture representative.