Kelt Simplifies, Manages and Migrates in AWS

Oil & Gas Company Kelt Exploration Modernizes IT Infrastructure with Move to AWS Cloud

CLIENT	Kelt Exploration Ltd.
PROJECT	AWS Migration
INDUSTRY	Oil & Gas
CDW Practice	Cloud

Date the project entered production: April 6, 2020

Case study | Kelt Exploration Ltd.

CDW PEOPLE WHO GET IT

COMPANY OVERVIEW

Kelt Exploration Ltd. is an oil and gas company based in Calgary, Alberta, Canada. The company focuses on exploration, development and production of crude oil and natural gas resources, primarily in west central Alberta and northeastern British Columbia.

THE CHALLENGE

Kelt Exploration is one-person IT shop facing an aging server and other expensive hardware purchases. They recognized the need to modernize their cloud Infrastructure, migrate applications that were currently on-premise and ensure that the new platform was managed and optimized on an on-going basis, avoiding upgrade costs, increasing manageability and freeing key staff to focus on more critical business tasks.

OUR APPROACH

The CDW team conducted a financial and business analysis, in conjunction with a workload readiness assessment, to help create a comprehensive cloud migration plan. Once completed, CDW proposed an AWS solution based on AWS' inherent structure, flexibility and dependability. It was perfectly suited to the customers requirements for a well-rounded environment and had costs in line with customer expectations. By migrating to the cloud, Kelt was able to manage and administer their IT more efficiently.

With the platform selected, CDW designed the architecture and completed the migration of the business systems into the AWS environment. CDW built an AWS landing zone and several AWS services were implemented to support the application migration. Active Directory service, application servers, file servers and database workloads were consolidated and migrated from Kelt headquarters and a third-party data centre into AWS. The solution leverages AWS Transit Gateway with VPN to provide services to Kelt's remote offices and its vendors. Traditional VM-based workloads such as Oracle were transitioned to AWS, allowing Kelt to scale their application workloads with Amazon EC2 backed instances.

CDW MANAGED SERVICES

Kelt partnered with CDW to launch a secure, scalable IT environment leveraging CDW's AWS Managed Services for ongoing management. The IT Team leverages AWS services such as: EC2, Amazon Simple Storage Service (S3), CloudWatch, Security Hub and Amazon RDS for Oracle.

The CDW Cloud Managed Services team also provided Kelt with cost, security and architectural optimization reviews that provided the insight and guidance that Kelt needed to ensure that they could achieve their IT business goals and leverage the right AWS services as they grow.
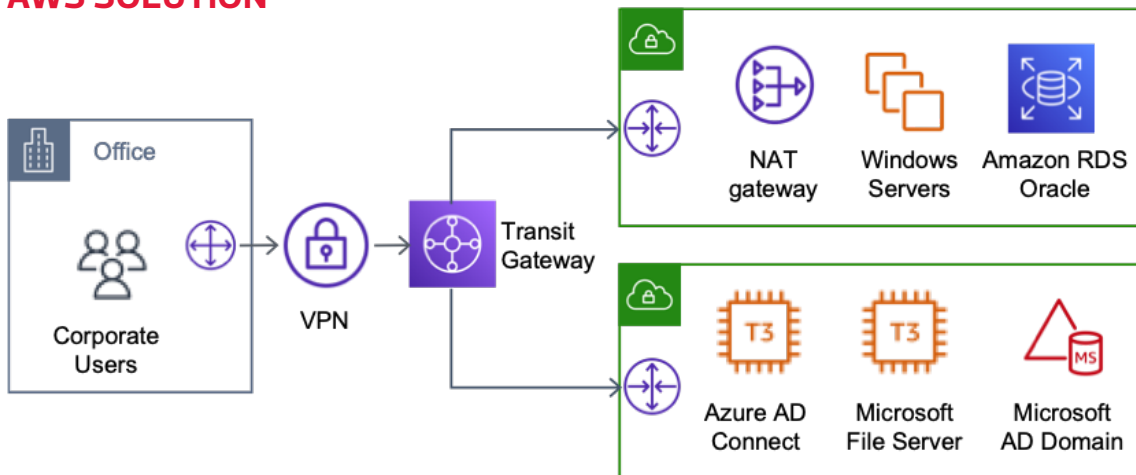
"It was a lot more cost effective for me to move our applications to the cloud rather than investing in a new on-premise solution."

Maria Larson, Kelt's Manager,
IT & Business Services

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CDW PEOPLE WHO GET IT

> *"We conducted a workload readiness assessment wherein we helped Kelt evaluate what a move to the cloud would look like. We compared different cloud vendors and factored in business and technical requirements and pulled together a financial analysis,"* – Practice Lead, Cloud Services at CDW

AWS SOLUTION

AWS SERVICES USED

CloudWatch	CloudTrail	Security Hub	S3	SNS	Systems Manager	IAM

OUTCOME

Once the project was completed, CDW provided Kelt with a thorough knowledge transfer, including how to manage costs, governance for the AWS environment and documentation. Prior to the migration, Kelt faced regular administrative headaches with Microsoft Office 365 and Oracle licensing. Although virtualized, there was still considerable administrative work, especially for such a small IT staff. With the move to the cloud, tasks such as licensing, adding more disk space, adding more RAM or troubleshooting will be much simpler. Additionally, their on-premise Oracle application was utilizing a lot of disk space and RAM resources on the physical machine, and with the new AWS environment their database will run a lot leaner. Finally, the solution allowed for increased functionality and ease of use with no additional expense.

For more information, contact your CDW account team at 800.972.3922 or visit CDW.ca/cloud