

CASE STUDY

AZURE FOUNDATIONS For CIBC

Overview

Alithya played an important role deploying a major reform for our client, The Canadian Imperial Bank of Commerce (CIBC). With help from Alithya, CIBC developed a world-class Azure deployment pipeline for rapid application migrations and consistent repeatable infrastructure configurations. This has enabled CIBC to deploy hundreds of application environments in Azure while managing resources from a single deployment pipeline.

Customer Challenge

CIBC was using RightScale, an agnostic cloud management tool, for cloud deployments. They did not have the in-house capabilities to develop their own templates and relied heavily on RightScale professional services for their deployment automation. Applications took three months on average to develop, as each template was a custom build. The existing deployment pipeline operated with serial deployments, which caused deployment cycles to take several hours, or sometimes an entire workday. Turnaround on migration was slow and troubleshooting would take several days to complete. There was no support for traceability, and no proper versioning took place during the deployment process, which caused collaboration difficulties. Finally, the existing pipeline couldn't scale to the large volumes CIBC required.

Alithya's Solution

Alithya DevOps professionals worked with CIBC to define their requirements, design, and develop a migration strategy that would meet the needs of the needs of the business and deliver lasting value. A deployment hierarchy was created so that tasks could be run in parallel which increased CIBC's deployment efficiency by 600%. Alithya focused on developing master templates to improve standardization of deployment and decrease turnaround time. This allowed engineers to select and configure templated with specific parameters to suit the deployment. The Alithya team incorporated Pester, a tool for detecting script errors, to ensure consistency and a high level of quality control through each stage of the development process.

Business Results

- > Seamless transition of on-premise infrastructures to the cloud
- > Increased infrastructure deployments through manual process automation
- > Created standard Azure deployment templates for use throughout the bank
- > As of February 2019, CIBC was one of the largest enterprise Azure implementations in Canada

Benefits

- > Reduced deployment time
- > Decreased turnaround time
- > Enforced standardization
- > Increased quality control
- > Increased operational efficiency