Increasing change velocity for

American Technology Services Company

Welcome to possible

Client

The client is a leading American company which provides end-to-end managed services, technology and consulting to enable digital workflow for enterprise, midsize and small businesses. One of their many strengths is having a diverse portfolio of technology solutions for the digital workplace.

Challenges

The biggest problems that the client was facing involved their siloed operations and low maturity in DevOps adoption. This was further compounded by limited automation across their IT lifecycle which gravely affected their time-to-market, quality of releases and cost of ownership.

Solution

Mindtree began the engagement with the client by conducting value stream mapping to identify improvement areas across tools and processes. The next step was to perform platform based standardization for CI/CD/CT/CM and toolchain integration, as well as automation using CAPE.

Post this, there was approval-workflow based automated code promotion to higher environments. This was necessary to achieve automation for CI/CD/CT/CM pipeline across the entire IT lifecycle integration, through planning to deployment and all the way to monitoring.

Next, multi-environment deployments were achieved using single infrastructure templates on Ansible. Moreover, immutable infrastructure was set up using Docker, delivering on-demand infrastructure as a service.

Once this had been achieved, Mindtree provided real-time visibility of unified metrics from various tools and set-up metrics driven governance, and delivered ELK for analytics on continuous monitoring.

Benefits

Mindtree's CAPE offerings resulted in the following benefits for the client:

- Delivered **20%** improvement in change velocity by improving build stability and reducing deployment time

- Achieved **15%** reduction in defect leakage into production driven by increase in build frequency

- Improved review effectiveness up to **71%** by enabling and enforcing shift-left practices

About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 290+ enterprise client engagements to break down silos, make sense of digital complexity, and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of continuous delivery to spur business innovation. Operating in more than 15 countries across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of over 21,000 entrepreneurial, collaborative and dedicated "Mindtree Minds".