

Large Energy company in US

About the customer – An American integrated energy company engaged primarily in electric power production and retail distribution operations. It owns and operates power plants with approximately 30,000 megawatts of electric generating capacity, including nearly 9,000 megawatts of nuclear power.

Engagement Background

TIBCO DevOps project aimed to establish DevOps capability such as Continuous Integration, Continuous Validation and Continuous Deployment using HCL's ALMSmart™ Platinum Standard. It included studying current practices, designing DevOps solution and implementing it for identified set of services.

Customer challenges

- Challenges related to code quality, testing & deployment
- Compromise in code quality due to missing manual code reviews and feedback mechanism
- Lack of centralized build, test and deployment processes that are reliable, repeatable and dependable, which was causing redeployments and retesting
- An artifact tested in lower environments may or may not be the one deployed into higher environments

Solution

- Provided thought leadership in identifying the tools for implementing the ALMSmart ALM platform
- Built ALM solution using the below tools –
 - Coding – Tibco tools
 - Configuration Management – SVN, HCL Smart Config Manager (HCL IP)
 - Code Review – Static Code Analyzer (HCL IP)
 - Test Management - HP ALM
 - CI – Jenkins
 - Test Automation – Smartbear ReadyAPI
 - Deployment – Ansible
- Recommended best practices in code reviews, branches, deployment and configuration management.

Value Delivered

Assessment, recommendation and implementation of ALM solution

Built an ALM platform by integrating the tools, established processes

Enabling the developments teams to build and deploy with minimal or no intervention

Tools and Technology

Tibco, SVN, HCL Smart Config Manager, Static Code Analyzer, HP ALM, Jenkins, Smartbear ReadyAPI, Ansible

Project status

Ongoing