Case Study: Major Gas & Power Utilities
North America

One of North America's largest Gas and Power utilities client for retail and commercial business customers.
Test Scope: Integrated Mobility enabled Business Critical JAVA based web application for Capacity and Trade management of Gas Capacity

Project Relevant Experience
- Continuous Integration and Continuous Delivery (CI/CD) automation enabled online customer services portal system
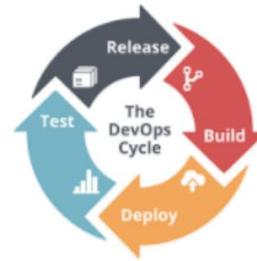
Challenge
- Operational challenges due to diverse infrastructure & application framework complexity.
- Delayed delivery of weekly scheduled deployments.

Solution
- Implemented the automated DevOps framework to optimize the weekly delivery schedule.
- Integrated CI Stack with One-Click approach for build and deployment of application to multiple environments (DEV, TST, INT, QA) ensuring Quality with reduced deployment time.

Vendor Approach
- Developed the automation deployment approach and strategy
- Identified the scalability and performance of deployment scripts
- Configured Gerrit Git with master and slave servers to compile application artifacts
- Integrated Jenkins with Gerrit Git, by configuring to multiple project branches
- Deployed the CI/CD framework and integrated the environments with code repository.
- Ensuring the code quality by applying code review plugins during the build process in Jenkins

GerritHub™

Jenkins
+
Nexus

maven

Client Location

Organization Capability Offer Map

Digital | Cloud | **DevOps** | Mobility | Big Data | Collaboration

Benefits Delivered
- This capability delivered fully automated code build and deployment process across diverse environments
- This CI/CD automation provided **20%** of cost savings.

Tool Set
- Oracle Web Center 11g, WebLogic, Oracle 11g, AJAX, HTML5, Mobile Enabled
- Unix Bash Scripting, Python, WLST Script, Gerrit GIT,Jenkins,Nexus snapshot, Maven