

ENTERPRISE AGILITY

Through DevOps Automation & Release Management for a North American Multinational Retail Chain



Service: Enterprise Agility

OVERVIEW

The Client is the largest department store chain in the US with revenue of more than US \$20bn. It is a destination for the best brands and the most sought-after retail products. The retail chain operates with 1,100+ stores in about 48+ states across the US.

CHALLENGES

The client approached ACL Digital to address:



Lack of automation to support Omnichannel Infrastructure.



Poor quality and higher cost due to longer development cycle



Absence of standard processes for tool rationalization.



Delay in Customer's software processes due to frequent functionality changes which blocked the client delivery pipeline.



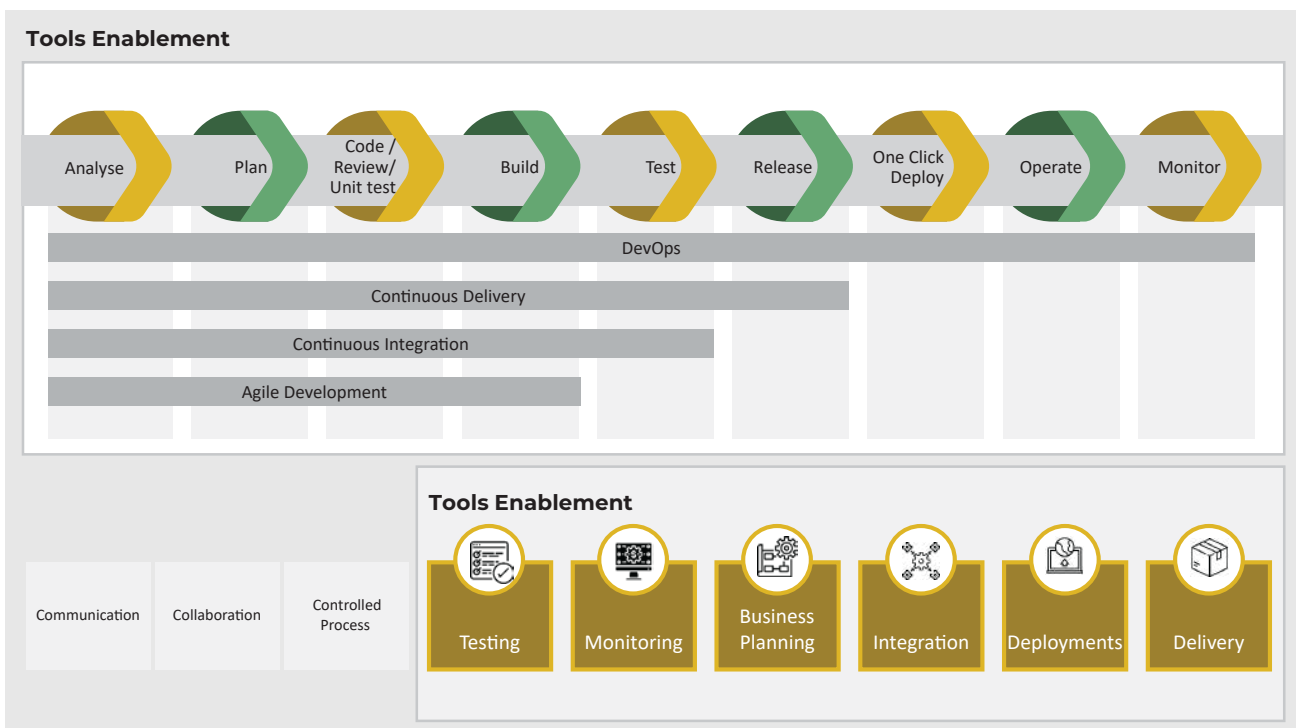
Manage multiple migration streams of client data from old repositories to open source repositories.

SOLUTION

Understanding the Client's business problems, ACL Digital provided solution using its DevOps & Automation and Release Management capabilities through Scaled Agile Frameworks. This included:

- 1 Development, deployment and implementation of DevOps best practices to aid the Customer Program Management.
- 2 Continuous Integration (CI)/Continuous Development (CD) for Low- Level Environment (LLE) and in-flight releases and automation of servers across clients' locations.
- 3 Automated syncing of data from client's central server to all its location through One - Click
- 4 Successful migration from old Source Code Repository to open source repository.
- 5 Standardized and rationalized client tools which led to seamless collaboration across multiple engineering teams.

Scrum Agile Software Development Process Life Cycle



AUTOMATION BUILD & RELEASE MANAGEMENT HIGHLIGHTS:

- A Seamless Omnichannel Retail Experience" was delivered to all the client stores
- 100% Automation across the web, mobile and in-store supporting the Omnichannel infrastructure
- Standardized & improvised the SDLC process of the client through Continuous Integration Methodology using Jenkins
- "One- Click" automation for the clients' stores across all US locations which orchestrated their entire release pipeline
- 30x Faster deployment to the production
- Reduction in licensing costs through tools rationalization by more than 50%
- Improved code quality by 50%
- Reduction in system downtime by 90%



CONCLUSION

The Robust agile DevOps process implementation helped the client to scale up from projects to portfolio level. Using our Scaled Agile framework, the client could successfully bring down the associated costs and increase efficiency and productivity.

ACL Digital is a design-led Digital Experience, Product Innovation, Engineering and Enterprise IT offerings leader. From strategy, to design, implementation and management we help accelerate innovation and transform businesses. ACL Digital is a part of ALTEN group, a leader in technology consulting and engineering services.

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