

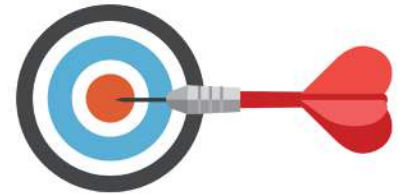
A multinational financial services company achieved Clefficiently and accelerated time to market by 70%.

Client Overview

Our Client is an American multinational financial services company predominantly into processing payments between the banks of merchants and the card issuing banks. To provide value-added services to its customers, the Client was building applications on Salesforce.

Business Challenge

In pursuit of achieving Continuous Integration (CI) for their applications efficiently, the Client was using an *open source CI tool which was functional but not scalable for their Salesforce development*. It required significant ongoing engineering investments by the Client, for attaining effective CI, which often resulted in no great results. The Client was seeking an end-to-end CI tool for building their Salesforce applications.



The Client was facing the following challenges:

- › The Open source CI tool required developers to put in customized scripting effort. Developers needed to write scripts that package metadata into a Salesforce deployable format. To commit code into a version control system that they were using, the open source CI tool required the development of a URL connector that pulls all Java and .NET changes – which obviously resulted in more script writing.
- › Their existing CI tool was neither supporting Version Control to Sandbox deployments in an efficient manner nor had a check-in editor. Hence, the developer checking in the code had to perform five or more manual steps which really was cumbersome and time-taking. They needed to remember the changes they made to the code, select the changes and manually commit to a Version Control tool.
- › The process of merging became a manual and complicated task for developers because the open source CI tool was not offering the Merger Editor.
- › With the open source CI tool that the client was using, it was quite challenging to keep up with the Salesforce Governor limits. Since the CI tool did not support selective deployment capabilities, it was quite a strenuous and tedious job to check for dependencies to ensure a logical deployment.
- › Data migration was difficult since the open source CI tool only supported application deployment; there was no support for data and metadata migration. The Client needed a tool for seamless data migration between Orgs and Sandboxes.
- › The Client was looking for a tool which would offer them tracking and traceability to achieve an end-end collaboration among teams.



Solution Offered

AutoRABIT is purpose-built to execute CI /CD on Salesforce. At its core, AutoRABIT's CI server provides a cloud-based, completely integrated and automated CI/CD environment. Its powerful 'CI Jobs' feature provides a framework to automate build, deploy and test processes to accomplish Continuous Delivery for Salesforce. Developers execute the CI/CD process through one UI, eliminating the need to be proficient on all the underlying tools. AutoRABIT offers user-friendly GUI with centralized reporting and controls.

Solution Offered

The Team AutoRABIT made an in-depth DevOps readiness/maturity assessment of the Client's challenges and the goals that they required to achieve. AutoRABIT was the best fit to bridge the gaps and create business value for the Client. AutoRABIT offered:

Version Control

- Integrates with all leading version control systems (such as SVN, TFS, Perforce and all types of GIT). It helps implement and maintain a source code repository, easy code check-in, branch merging, tracked changes
- Provides Check-in Editor that simplifies code check-in down to a click of a button
- Auto-commits changes from each Salesforce developer into Version Control, eliminating the risk of code overwrite
- Offers track changes with visibility into all changes made across all sandboxes

CI Jobs

- Automates build, deployment and testing
- Enables faster code release by tracking application development and metadata modifications
- Deploys metadata directly from Salesforce Org or Version Control branch
- Allows on-demand or scheduled execution on daily/weekly basis
- Runs code coverage and static code analysis reports for deployments

Automated and Selective Deployment

- Enables quick deployment functionality
- Allows "Org Compare" that helps revert a build back to its original metadata with visibility into the difference between source and destination Orgs
- Facilitates flexibility to selectively deploy metadata members among Salesforce Orgs
- Offers Sandbox management that helps keep all sandboxes in sync across Salesforce Orgs; conflict resolution, reduce need for refreshes

Data Loader Pro

- Supports the developers to easily move records from source to destination Sandboxes
- Allows developers to schedule data loading with configurable automated data loading functionality

Value Delivered

AutoRABIT, a comprehensive Continuous Delivery suite, enabled the Client to successfully overcome their Version Control, Data Migration and Deployment challenges.

The client reaped the following benefits:

- › Achieved CI for Salesforce applications seamlessly in less than 15 days with a proper source control in place.
- › Eliminated manual deployment process and reduced the deployment time by 50%
- › Reduced time spent on managing the code and realized accelerated release velocity by 70%
- › Migrated data seamlessly with parent-child relationships which saved the time spent in the environment setup by 50%
- › Brought governance and auditability for their deployments into various release environments
- › Decreased total cost of ownership significantly when compared to their existing open source alternative



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