

# Modernizing SDLC: a Large Options Platform's Journey to the Cloud



## CASE STUDY

### The Company

- **Industry:** Financial Technology
- **Geographies:** United States
- **Team Size:** 5 admins; 40+ user teams
- **Number of Projects:** approx. 40
- **Regulations:** COBIT, CFR, SEC

### The Challenge

Large Options Trading Platform faced challenges related to:

- dynamic lifecycle management
- real-time updates & synchronization
- end-to-end compliance traceability
- CI/CD pipeline integration
- fragmented SDLC visibility
- risk of delays & compliance gaps.

### The Project

The project aimed to transition the options trading platform infrastructure to the cloud while enhancing SDLC compliance, traceability, and reporting.

### Tools Used Prior

Prior to adopting Inflectra, the organization relied on Excel and SharePoint to manage SDLC workflows.

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## Why SpiraTest?

SpiraTest by inflectra was selected for its built-in capabilities in:

- compliance,
- auditability,
- tool compatibility,
- JIRA integration
- real-time reporting
- requirements traceability
- executive dashboard

## Other Benefits

The organization experienced streamlined team communication and collaboration, enhancing overall workflow efficiency.

## Future Plans

Future plans include integrations with Git, ServiceNow, and Jenkins to strengthen the CI/CD pipeline.

The deployment facilitated improved compliance tracking and streamlined communication across teams. The organization plans to further integrate SpiraTest with Git, ServiceNow, and Jenkins to bolster their SDLC and CI/CD capabilities.

## Results & Benefits

Since implementing SpiraTest, the organization has achieved the following improvements:

- **30%** reduction in post-release defects
- **30%** improvement in bug resolution time
- **20%** decrease in testing time
- **40%** enhancement in test coverage
- **30%** reduction in compliance violations
- **20%** shorter product release cycles
- **15%** increase in software deployment frequency
- **15%** improvement in risk management effectiveness
- **30%** reduction in code review time

## Implementation

SpiraTest was implemented on-premises, integrating with Jira to enhance requirement traceability and real-time reporting.



## The Inflectra AWS Partnership

Inflectra's customers work in mission-critical and high-assurance industries, and consequently expect the highest levels of service. For this reason, Inflectra hosts all of its applications on the proven Amazon Web Services (AWS) global infrastructure. Inflectra offers its customers a trusted lifecycle management platform for delivering critical products and services on-time and with the highest quality. The partnership with AWS lets us focus on delivering application services, knowing that the infrastructure has world-class security, reliability and safety built-in.

In addition, the flexibility and agility of the AWS platform has let Inflectra expand and scale its business to meet and exceed customer requirements as their needs have grown. We have been able to add regions and services as our customers globally expanded.

## Leica: How Inflectra and AWS Delivered Results

### »» Solution

The deployment of Inflectra's SpiraPlan and SpiraTeam revolutionized Leica Biosystems' approach to managing medical device development projects, offering a unified platform for diverse project needs. Inflectra's integrated requirements management played a crucial role in keeping all stakeholders aligned

One of the key considerations was how to support a global team with highly performant, low-latency connectivity. Inflectra in partnership with AWS was able to deploy its SpiraPlan and SpiraTeam solutions into multiple AWS regions (Ireland, Frankfurt, Singapore, and Seoul) giving the customer the flexibility, performance and reliability they needed.

Inflectra made use of AWS EC2, EBS and AWS Lifecycle Manager to provide a robust and highly performant solution across these regions.

### »» Results and ROI

Inflectra's platform enhanced collaboration across Leica Biosystems' teams in Germany, India, and China. It allowed different departments, from product design to marketing and IT, to effectively share requirements, feedback, and reviews. Finally, it centralized management of requirements, incidents, and tests, improving overall productivity.



## Features

### Reliability & Privacy

Our customers care about data privacy and service reliability above all else. Inflectra has designed its SaaS platform using the flexibility of AWS to have six discrete privacy regions that ensure data sovereignty and privacy requirements are always met. Currently we are able to host data for customers in the USA, Canada, Europe, India, Australia, and Singapore. Each region offers multiple availability zones and both a primary and disaster recovery region

### AI-Enabled Traceability

Our customers need to be able have complete traceability from their business requirements to all of the software development and testing assets managed within the Inflectra platform. We leverage the power of AWS CodeBuild and DeviceFarm to provide an integrated DevOps solution dashboard in a 'single pane of glass'. Embracing the power of GenerativeAI, our platform includes an innovating AI assistant using AWS Bedrock that lets customers generate tests, tasks, code and risks from their business requirements and user stories.

Visit AWS Marketplace to  
purchase or start a Free  
Trial today.



## Get started with Inflectra solutions on AWS

