



## Success Story || Cync Software



Cync Software is a financial solutions company based in Tampa, Florida; they deliver complete software solution for commercial finance companies as well as banks that provide asset-based loans. Their flagship product, Cync Applications Suite, offers a diverse collection of financial solutions that cover a vast range of account receivable financing, factoring, working capital loans, asset-based lending, and related credit services.

## The Challenge

Cync recently implemented the Agile Development methodology to increase the pace of their Software Development. The organization believed that to maintain their leadership in the market, they needed to continuously improve their software suite by quickly responding to customer requests. While they increased the pace at which they developed new capabilities, the team was not able to push their code to production at an accelerated pace.

The leadership team hired Idexcel to implement a DevOps pipeline so that the software release and development cycles were better aligned. Cync wanted to be sure that they were better positioned to react to customer requirements. Idexcel was asked to complete the project in 6 months and provide an ROI of fewer than 6 months.

### Some of the technical challenges included:

- Designing a pipeline that would be capable of deploying to the Amazon Web Services (AWS) Cloud.
- Implementing automation that would include provisioning of infrastructure, code testing, and code deployment environments.
- Automating both ongoing functional and security testing.
- Automating the transition between software development, testing, and production.
- Ensuring that the code was secure and supported SOC2 compliance.
- Utilizing a combination of both Open-source and native AWS tools.
- Logging and making auditable all changes to the production system.

## The Solution

Idexcel, Inc. assigned a team with development & delivery expertise on the AWS cloud to lead the project; they understood the fine details of both application development and system administration. The team designed a pipeline that consisted of both AWS Services and Open Source Software.

### The newly implemented pipeline included the following tools:

- AWS CodeCommit as a code repository.
- Jenkins as an orchestration & build solution.
- Brakeman as a static code analysis tool.
- Selenium for automated testing.
- Amazon Simple Storage Service (S3) as an additional code repository.
- AWS CodeDeploy as a deployment tool.
- AWS Command Line Interface (AWS CLI) for the automation of scripts.

## The Benefits

Cync Software was able to increase the number of product releases within the first year by 30% with 40% fewer software defects. Because the pipeline was fully automated and required 60% fewer manual steps, they were also able to reduce the labor hours devoted to release management by approximately 40 hours per weeks. When problems did occur, the automated audit log helped the team to identify the issues and to correct them quickly with minimal adverse effect. Lastly, the team completed the project in 4 months with a payback period of 6 months.