

DevOps: Accelerating Application Release Velocity



Application Services providers need to remediate their strategies for better process maturity, technology consolidation, and consistent deployment, while adhering to appropriate metrics. They also lack knowledge of Change, Configuration, Release, and Automation management leading to issues such as:

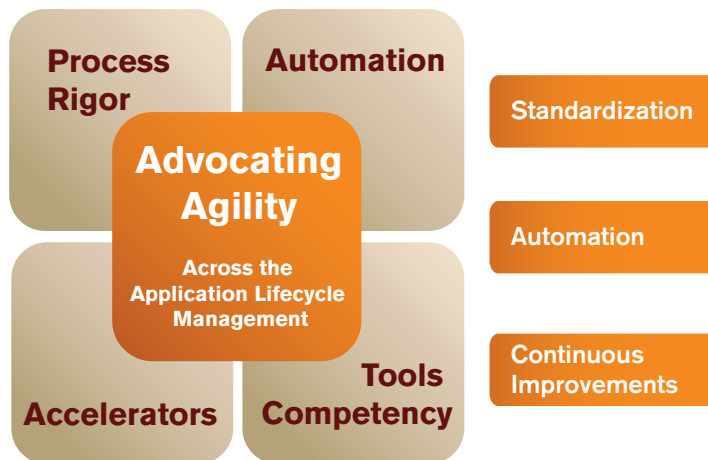
- Duplication of efforts and inefficient workflow distribution
- Inability to identify product bugs early in the development cycle
- Lack of application build, test, and deployment automation
- Disruption in intra-department communication for SDLC
- Inconsistent technical and process standardization
- Function-centric goals over business goals

Cost of fixing software defects, caused by these issues, can prove expensive. However, this can be averted by tweaking existing processes and leveraging an industry-standard DevOps tool to streamline your development operations without major infrastructure changes.

Syntel Solution

Syntel SynOps-continuous integration framework automates application build and deployments seamlessly for distributed platforms. SynOps delves into development and operational needs to remediate issues faced in the SDLC, and deliver tangible benefits such as:

- Faster turn-around due to automation of application build and deployment by 27%
- Reduced TCO due to adoption of Open Source tools
- Better communication between development, QA, and operation teams
- Elimination of manual interventions by 80%
- Process standardization across organization



Syntel's DevOps Practice

SOLUTION HIGHLIGHTS

- Concurrent integration of application builds for agile development methodology
- Flexibility to execute build and deploy
- Highly scalable and automated framework boosts performance and avoids manual errors
- Metrics-based support to capture performance and quality of the service
- Compatible with different application development methodologies
- End-to-end Application Release Automation
- Metrics based support
- Adheres to ITIL V3 based best practices

KEY FOCUS AREAS OF SYNTEL'S DEVOPS PRACTICE

- Software Change Management
- Software Configuration Management
- Release Management
- SCM Tools Administration
- Continuous Delivery
- End-to-end Application Release Automation (ARA)

WHY SYNTEL

- A leading global IT and KPO service provider
- Established in 1980 (NASDAQ: SYNT)
- More than 24 offices in North America, Europe and Asia
- Flexible onsite-offshore global delivery model
- Dedicated Centers of Excellence to help clients with expert advice and project guidance

Syntel's Proven Expertise in Delivering Excellence

Implemented Automated Build and Deployment Process for a Leading Insurance Service Provider

Business Need

- Eliminate manual intervention by automating application build
- Introduce and schedule nightly builds
- Maximize testing environment availability
- Automate deployment and application management

Syntel Solution

- Automated application builds and deployment using ANT
- Automated Nightly Build executes application builds and deploys code from the repository every night using Continuous Integration
- Eliminated staging process to help developers validate changes on the nightly build

Value Delivered

- Nightly build reduced code promotion cycle time from 96 hours to 7 hours
- Eliminated manual intervention and hence human error at all possible touch points
- Improved quality of service by 50% through effective performance