

# S-SQUARE DEVOPS SERVICES



**S-Square**

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## The Rise of Continuous Everything with DevOps

DevOps is an integrated approach to software delivery that helps integrate an organization's culture, processes, and tools. DevOps enables rapid, small, iterative development and deployment of Minimal Viable Product to the market as fast as possible and incorporates stakeholders' feedback in the product quickly and delivering value incrementally.

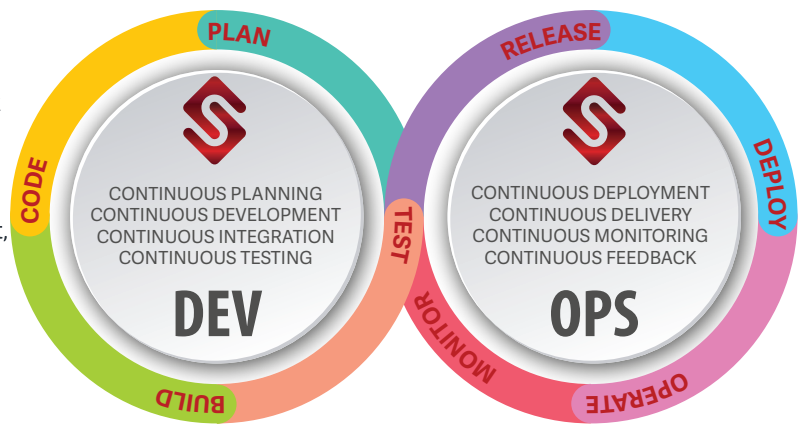
### S-SQUARE DEVOPS APPROACH

#### S-Square implements DevOps with focus on three aspects:

**CULTURAL:** Business, Development, QA and Operations must work in a fully integrated fashion in the software delivery process; Change and adaptability are the norms.

**PROCESS:** An Agile based approach with Continuous Development, Continuous Integration, Continuous Testing, Continuous Delivery, Continuous Deployment and Continuous Monitoring.

**TOOLS:** Implementation of a flexible and secure tool environment that allows maximum automation to achieve the desired pace of delivery while protecting the brand and user experience.



### CONTINUOUS PLANNING

S-Square's Continuous Planning and Collaboration tools involves planning of each release of the product by taking inputs of all like the Developers, Business Analysts, Testers, and Operations and making sure that every release will make the product incrementally better.



### CONTINUOUS DEVELOPMENT

Continuous Development is an umbrella for several aspects of iterative Software Application Development, including Continuous Integration(CI), Continuous Delivery, Continuous Testing, and Continuous Deployment(CD).

In many cases, Continuous Development has become the glue holding DevOps, TDD and Agile methods together.

### CONTINUOUS INTEGRATION

S-Square is helping customers implement Continuous Integration (CI) tools so that developers can integrate code into a shared repository frequently, preferably several times a day and an automated build and tests can then verify each integration. This helps to find and address bugs quicker, improve quality, and reduce the time it takes to validate and release new software updates.



### CONTINUOUS TESTING

As part of S-Square's Zero Touch Continuous Testing, we adopt automation techniques in security, performance and functional testing to allow for a comprehensive automated test approach including Test Strategy, Planning, Test Case Generation, Test Environment Setup, and Test Data Provisioning.




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Integrate Agile and DevOps to Accelerate Delivery Across your Value Stream

DevOps and Agile, when integrated to work at enterprise scale can empower IT to drive Continuous Delivery in support of Enterprises' need. Our unique approach to enterprise agility helps drive Agile & DevOps adoption in an integrated way, taking an end-to-end view of the value chain, guided by our industry best standards. We help you systematically make the changes through rapid iterations, enabled by intelligent automation.

## CONTINUOUS DELIVERY

S-Square is helping customers setup Continuous Delivery to develop in a way that the software is always ready to be delivered to a production-like/stage/test environment and will run correctly. Continuous Delivery is the next step after CI, in which we automate release cycles.

The infrastructure is seen as code and handled as an application changes are immediately integrated and tested, and, if it passes, deployed, similar to software applications, in an iterative delivery process.



## CONTINUOUS MONITORING

S-Square's automated Continuous Monitoring services will help keep your continuous deployment pipelines flowing smoothly and efficiently. You'll be able to deploy faster with confidence; confidence that you will know immediately if a performance regression has been introduced; confidence that your full infrastructure and application stack is monitored; confidence that you'll be able to quickly resolve any incidents that arise over time.



## CONTINUOUS DEPLOYMENT

Continuous deployment follows continuous delivery and deploys automatically all changes that passed the automated tests to production. Continuous deployment automation is performed by a new set of agile DevOps tools called Application Release Automation.



## CONTINUOUS FEEDBACK

S-Square DevOps Services takes Continuous Delivery to the next step - Continuous Feedback - which could optimize performance management and monitoring. S-Square could establish better continuous feedback loops, by removing the human element from performance and monitoring, incidents can be reported instantly, consistently to everyone on the team.

### S-SQUARE DEVOPS DIFFERENTIATORS

#### S-Square's value proposition in implementing DevOps:

- ◆ Team with broad experience in full lifecycle advisory and implementation of Agile-based DevOps solutions.
- ◆ Deep experience in building custom DevOps platforms with open-source tools.
- ◆ In-depth industrial experience in multiple domains and across various engagements.
- ◆ In-house accelerators for Test Automation integrated with open source DevOps tools.
- ◆ DevOps Lab on the cloud with a Managed Services model.
- ◆ Integrated tooling and platform development.

### CONTACT US

#### USA

S-Square Systems Inc  
4225 Executive Square Suite 600  
La Jolla CA 92037  
+1 858 213 7063  
+1 858 764.4441

#### INDIA

S-Square Data Systems Pvt Ltd  
Bldg 9, 5th Floor  
Raheja Mindspace  
HITECH City Madhapur  
Hyderabad TS 500081  
+91 40 4856-6044