

DevOps methodology helps make organizations become high-performing entities who are twice as likely to exceed profitability, market share and productivity goals.

DevOps methodology drives improvement

What are the advantages of DevOps?

Technical benefits:

- Continuous software delivery
- Less complex problems to fix
- Faster resolution of problems

Business benefits:

- Faster delivery of features
- More stable operating environments
- More time available to add value

Telliant helps drive improvement in your application development process by increasing speed and stability which are the key factors for success with DevOps.

Telliant's key DevOps capabilities include :

- Version control of all production artifacts.
- Deployment process automation.
- Continuous integration.
- Using trunk-based development methods.
- Implementing test automation.
- Supporting test data management
- Focusing on security.
- Implementing Continuous Delivery

Investing in core technologies will ensure success with DevOps

Telliant's Team focuses on achieving a positive outcome which requires investing in certain core capabilities. These capabilities , which fall into three main categories are the key factors for improving software to drive, predict and positively affect an organization's bottom line .

Technology & Automation

Improvement in any of the areas within the Technology & Automation category will have fantastic down-the-road effects on your ability to develop and deliver software. The Telliant team employs all the latest methods and technologies to ensure our time is spent on your project.

Version control systems – Secure a central shared repository where we can commit changes to source code files.

Infrastructure automation – Automating routine tasks reduces errors and increases time for mission-critical tasks and allow for rapid scaling.

Continuous delivery – Shorten development cycles, building, testing and deploying your apps quickly with automation.

Site reliability engineering – Spend less time on maintenance by introducing new features continuously with high-quality and great user experience.

Management & Process

To improve in the areas of management and process, Telliant suggests starting with the following process:

Gathering, implementing and broadcasting client feedback – Our development team knows why they're coding and what they're coding. We gather the necessary requirements directly from our clients. Our development team understands what your customer's needs are.

Making the flow of work visible – This capability goes beyond just having dashboards. It's about making the value visible to our clients throughout the entire workflow. This allows our clients to know where all the pieces fit into the whole project.

Working in small batches and having a lightweight approval process – This helps ensure work can get through the system very quickly.



DevOps Teams have:

200 X

more Frequent
Deployments

24 X

Faster Recovery
times with DevOps

300%

Lower Change
Recovery Rates

DevOps Tools

Coding



Deployment



Continuous Integration



Testing



Containers



Measurable results in the software development lifecycle

While measuring and quantifying may be challenging, it does not mean that the benefits of DevOps cannot be measured. One tangible benefit of DevOps is an observed decrease in development and operations cost.

These benefits can, in fact, be turned into key performance indicators (KPIs). Telliant teams track the time and cost it takes for your project to be developed using DevOps to better appreciate the quantifiable benefits of DevOps and our team's speed.

Shorter development cycle – Adopting DevOps promotes a culture of collaboration and communication between the development and operations teams. This translates into shorter timeframes to move from engineering code into executable production code.

Increased release velocity – The shorter development cycle creates increased frequency for release of code into production (also known as application onboarding). This continuous development and deployment increases the value of your project. Increased release velocity provides our client's with a competitive advantage and quicker to market features that you need.

Improved defect detection – DevOps builds on top of agile programming. It adheres to several agile principles such as collaboration, iterative development, and modular programming, breaking larger codebases into smaller manageable features. This makes it easier to detect code defects.

Reduced deployment failures and rollbacks – The benefits gained from speed can be nullified by failed deployment. Developing software using a DevOps mindset takes into account an operational viewpoint as well. This, when combined with improved defect detection, significantly decreases the number of pre- and post-deployment issues and therefore fewer rollbacks.

Reduced time-to-recovery – If failure occurs, the Telliant team has the knowledge and expertise to recover operational efficiency quickly compared to a traditional IT environment.

Telliant increases business value by using DevOps

Not all of the benefits of DevOps can be directly measured and tracked as KPIs. There are many intangible benefits that are just as important as the measurable benefits.

Additional benefits of DevOps teams include:

- > Increased Communication and Collaboration
- > Improved ability to Research and Innovate
- > Performance Oriented Culture

Increased communication and collaboration – DevOps requires the development and operations teams to work together to instill a culture that is characterized by increased communication and collaboration.

Improved ability to research and innovate – Telliant's team fosters a culture of high trust between team members and client. Telliant's team members are encouraged to continuously improve the company's processes integrating the latest tools and tech to address the client's needs.

Performance-oriented culture – The Telliant team's culture is more performance based rather than rule-based or power-based. This has led us to a more satisfied and therefore productive team, which has a direct impact to project development and our client's satisfaction.

Total client satisfaction is our goal

The goal of DevOps is to increase business value for our clients by making the SDLC agile through continuous delivery of products and services that satisfy client needs. Our DevOps mission describes a culture and set of processes that bring development and operations teams together to complete software development. It allows organizations to create and improve products at a faster pace than they can with traditional software development approaches.

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