Digital Transformation

with **BOLT**

Digital Transformation

Digital Transformation is a hot topic these days. With DevOps, cloud technology, automation, AI and more, everything is moving so fast, while current systems seem to get older and older. A movement towards system modernization, speed, and efficiency is upon us. With the need to modernize systems, questions arise as to the business value, such as:

What is the business value?

Why is this worth the money?

How will this either save money, make money, or buy certainty?

What if we had it and it was taken away?

What is the impact of doing nothing?

These are all great questions that need to be answered. This whitepaper is meant to add some color to those questions and concerns and show just some of the ways that digital transformation is helping companies improve customer satisfaction and the bottom line.

Business Value

The business value of a DevOps strategy inside an organization can be calculated in many ways. Much the way as Agile has transformed project delivery, DevOps strategy and results have a big impact, but are unique to the organization and how they use it. Some may not know that problems exist while others were not aware they could do things differently and more efficiently.

While many of the aspects of DevOps implementation can be difficult to evaluate as a dollar value, the reality is that several of the measurements can be based on the principal that **Time = Money**. Devops, Automation, and Digital Transformation efforts have all developed from the need to increase speed and more efficiently use time.

Agile

With this in mind, digital transformation efforts help a team move faster and be more Agile. DevOps pipelines and automated testing cycles enable developers, testers, and operations to better collaborate, build, and deliver.

Create Visibility with Monitoring

Create visibility into the software, test results, and system health. **Know what's going on in your application**.

Scenario: We want to know how our application is performing on the production environment or how it would stand up to a spike in traffic. Reports on test environments can be spun up on-demand.

Deploy Faster

Empower the team to build faster, with quality and get to market sooner.

Scenario: When scaling, we need to spin up more VM's. Containers spin up faster than VM's, and can be easily instantiated in a just-in-time fashion, able to more quickly respond to demand.

Reduce Waste

Build/Test automation reduces the need for wasted manual execution cycles, less time spent uncovering bugs, and less time spent fixing more complex bugs.

Scenario: A bug is found in production after being seen by 25 other users. Rather than spend the time replicating the issue and finding the source, automated testing could prevent the issue in the first place.

Reduce Infrastructure Costs

DevOps pipelines allow companies to **manage peak traffic** with On-Demand Infrastructure. DevOps pipeline allows for on-demand infrastructure to react to surges in traffic. Save money by using additional resources only as needed.

Scenario: Peak traffic comes during a snowstorm, a superbowl, or a natural disaster. The ability to spin up 20 additional servers on-demand helps maintain the application response time and ensure a smooth customer experience.

200x Faster
Lead Times

30x
Deployment Frequency

60x
Change Success Rate

168x Faster
Mean Time to Recovery

Source:
https://devops.com/devops-business-value/

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Ensure Quality & Increase Test Coverage

Make sure that new builds work properly with automated testing.
Test with more data, more often, and build more confidence in your technology.

Scenario: An update to the application needs to be made. Today this is done directly to production (in order to test on production). Instead, an automated production equivalent pipeline can be tested instead of 'testing on users'.

Improved Customer Experience

In today's competive environment customer expectations are at an all-time high. Switching costs have continued to drop and a poor customer experience could lose a customer faster than an application can load (literally). DevOps and quality pipelines help ensure the customer experience is as it should be.

Scenario: We want to make sure our data feeds are continuously working and be alerted if they go down. This can be done with automated testing on the production server and test environments.

Reduced Cost

The further towards production an issue gets, the more expensive it costs to fix. Find issues sooner and spend less time/money fixing more complex problems, rolling back servers, and impacting users.

Scenario: An issue in production has not only caused us to spend time rolling back the production server, but to spend hours identifying the issue, fixing, and testing in production or cautiously updating and testing repeatedly. An on-demand test pipeline would help speed up this process tremendously and give teams confidence in going to production.

Enhanced Efficiency

Create additional value from current team members by freeing up their time to do what they do best, build great software.

Scenario: Today our BA team, developers, and product owners get sucked into testing, troubleshooting, spending hours getting to the root of a challenge. Proper regression testing and monitoring helps free up time for teams to build.

Organizational Transformation

Moving to a DevOps methodology, similar to moving to Agile is transformational inside of an organization. It aligns a team around a strategy that the product must be right, customer experience is key, quality, speed and efficiency are the pillars on which we need to deliver.

Happy Teams = Less Turnover Costs

Successful teams are happy teams. When software works, life is easier and turnover means less cost.

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One of the biggest benefits, if not the biggest benefit, of DevOps is the promise of speed. DevOps enables more and faster code deployments, which means a decreased time to market and more opportunities to capture revenue from customers.

- TechBeacon

BOLT

BOLT helps companies get to an automated DevOps pipeline with Test automation to help teams move faster with more quality.

BOLT Build

Build out a DevOps pipeline for test, make sure everything works and feel confident in your technology with on-demand infrastructure, automated pipeline deployment, and monitoring tools to see system health. With **BOLT** Build many scalable environments help speed up testing through parallel execution, performance testing, and more.

BOLT Test

Get automating more efficiently and effectively with **BOLT** Test. Leverage Pre-Built Libraries, data connections, API, Performance, Mobile and more to test software before it goes into production.

Get Started

To learn more about how **BOLT** can help Jumpstart Digital Transformation efforts with DevOps and Test Automation in your organization:

Visit www.boltiq.io to see a demo and learn more

Connect with us to start a conversation: bolt@swatsolutions.com.

Intelligent Quality