

# 3 Surprising DevOps success stories

Think a DevOps approach only works for tech giants like Google and Amazon? Think again. Enterprises with legacy applications and long-held processes can stand shoulder-to-shoulder with organizations that were “born digital” – and these examples prove it.

## What is DevOps?

### Continuous integration –

Each developer commits and pushes to a shared master at least 1x per day, and triggers an automated build and test to be started.

### Continuous delivery –

Teams deliver in short cycles and perform tests to ensure software can be released at any time.

### Continuous deployment –

Teams continuously ship changes to the production environment.

## 1 DEVOPS IN TRADITIONAL HIGH TECH: HP LaserJet Firmware Group

 **400-800 developers** around the world at any given time

 Supporting **10 million lines of code**

 **Only 2 releases** a year

Problem:	What did they do?	Results:	Lessons learned:
<p>Majority of developer time spent importing existing firmware into products</p> <p>No time to write new features</p>	<ul style="list-style-type: none"> <li>Eliminated code branching</li> <li>Automated testing</li> <li>Implemented a “stop the line” culture</li> </ul>	<p>Commits per day: <b>1 → 100</b></p> <p>Regression testing time: <b>6 weeks → 24 hours</b></p> <p>% time spent writing new features: <b>5 → 40</b></p>	<ol style="list-style-type: none"> <li>Slow development cycles stifle creativity and new feature development</li> <li>Long feedback cycles make it harder to prevent mistakes in the future</li> </ol>

## 2 DEVOPS IN GOVERNMENT: US Citizenship and Immigration Services (USCIS)

### THE FACTS

 USCIS receives and processes **6 million applications a year:** Naturalization | Lawful permanent residency (Green Card) | Immigrant/nonimmigrant visa

 **2,000** IT employees  
**\$500 million** IT budget

<p><b>Bureaucracy and DevOps can go hand in hand</b></p>	<p><b>USCIS CIO makes the case that DevOps fits in with the federal government's system of checks and balances.</b></p> <p>Here's why →</p>	<ul style="list-style-type: none"> <li><b>Consistent contractor onboarding:</b> Continuous delivery model is consistent across the USCIS and not unique to any vendor contractor. As a result, no unique documentation needs to be created.</li> <li><b>Compliance:</b> Stipulations pertaining to particular laws may be accounted for by acceptance testing.</li> <li><b>Vulnerability monitoring:</b> Constant feedback means vulnerabilities can be patched and put in the production environment quickly.</li> </ul>
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## 3 DEVOPS IN BANKING: Lloyds Banking Group

### FACT

**Lloyds Banking Group can trace its history back to 1765 – no company is too old to implement a DevOps model!**

Fintech companies are disrupting the financial services industry – reaching younger customers, developing new payment methods, and quickly reacting to changes to the market. Traditional banks don't want to be left behind.

Goal:	What they did:	Result:
<p>Bring new or updated applications to market more quickly while also complying with government regulations, not damaging legacy applications, and improving testing quality.</p>	<ul style="list-style-type: none"> <li>Automate testing and repetitive tasks</li> <li>Remove waste from processes</li> <li>Stabilize testing environment</li> <li>Leverage 3rd party DevOps tools throughout the continuous integration, delivery, and deployment pipeline</li> </ul>	<p>Testing cycle time: <b>9 days → 4 days</b></p> <p><b>200% faster</b> time to market</p>

## About Pegasystems

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