

# Sitecore DevOps Toolchain



# Challenges with DevOps practices impede speed to market and application quality preventing effective digital marketing execution **Delivering Sitecore with Agility & Quality**



## CHALLENGES

- Digital Transformation efforts hinge on faster software delivery.
- DevOps tooling maturity and understanding what to invest in is a consistent challenge.
- Despite heavy investment in DevOps organizations often see little return.

## IDEAL SOLUTION

- An already vetted set of DevOps tools to minimize wasted investment.
- Tooling setup and integrated into Sitecore using Azure Best Practices.
- Improve delivery quality by implementing industry standard best practices.

## DESIRED OUTCOMES

Better metrics in 4 key outcomes of DevOps success: Mean Time to Recovery (MTTR), Change Failure Rate, Feature lead time to production, and release velocity.

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- **“Use DevOps And Supply Chain Principles To Automate Application Delivery Governance”**
  - **“Faster Software Delivery Will Accelerate Digital Transformation “ – Forrester**
  - **“Apply These 7 Steps To Get Software Release Velocity Unstuck “ - Forrester**

- **“Faster Software Delivery Will Accelerate Digital Transformation “ – Forrester**
- **“Use DevOps And Supply Chain Principles To Automate Application Delivery Governance” - Forrester**

- **“Use Four Key Categories To Measure What Matters In Continuous Deployment “ - Forrester**

**“Accelerate: The Science of Lean Software and DevOps: Building and Scaling High Performing Technology Organizations “ - by Nicole Forsgren, Gene Kim, Jez Humble; March 2018**

# VMLY&R Sitecore DevOps Toolchain



**Best in class DevOps Toolchain built for Sitecore & Azure:** Sitecore DevOps Bootstrap is a 3 week engagement that includes a 2-day workshop, a current state technical assessment, a proof of concept DevOps stack, and a cloud ready application modernization roadmap.

## PROVEN TOOLING & PRACTICES

### DevOps Best Practices as a Service

- We hand over a full DevOps stack for Sitecore for you, all inside Azure.
- Need to customize? The entire stack is built from code and can be continuously updated as required.

## IDEAL SOLUTION

### Increase Speed & Quality of Deployments

- Years of experience building DevOps & Sitecore solutions means we've spent the time investigating & finding the right tools for agile delivery.
- Reduce defects by implementing proven tools & practices.
- Eliminate manual steps for deployments.

## DESIRED OUTCOMES

### Azure First

- Azure DevOps provides ideal starting point for our solution.
- Easy scale of Sitecore PaaS and availability of Azure container service makes setting up & tearing down easy.
- Can be extended as required using Azure services.

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VMLY&R Sitecore DevOps Bootstrap assessment identifies gaps in current solution and leverages proven tools and practices to provide a proposed architecture to automate development and build pipelines from code commit to integrated deploys providing increased delivery speed and quality.

# VMLY&R Sitecore DevOps Bootstrap

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Microsoft Azure gives us access to a full featured cloud that can deliver at scale and speed we require.

## EVERYTHING WE NEED

Huge cloud toolkit to deliver quality and agility.

## SCALE YOUR DELIVERY

Roll out releases with confidence and speed.

## REDUCE COSTS

Improve ability to deliver solutions, reduce defects, and remove manual steps.

# Customer Success Story

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Watts is a global leader of water quality solutions for residential, industrial, municipal, and commercial settings. Upon their review of the competitive landscape, the Watts team noticed a significant gap between the (then) current state of their website and those of its competitors, and concluded site improvements were necessary to more appropriately reflect Watts' position as industry leader.

To solve the problems Watts was experiencing as a result of their outdated sites, VMLY&R developed an enterprise-level solution using Microsoft's Azure Cloud and a SaaS Sitecore platform, providing the ability to consolidate all websites, product information and content in a central location.

## WIN RESULTS

Workshop and assessment identified 30+ manual steps in the legacy systems from code commit to development environment deployment. The Sitecore Azure Bootstrap assessment provided a roadmap to automate more than 85% of the engineering and deployment workflow.

Automated product data aggregation, streamlining the process of product data and content updates giving Watts the ability to more effectively cross-promote products on a single platform, increasing exposure of the portfolio to customers.

Scripted deployments allowing for automated builds, content publishing, and configuration updates to targeted environments.