

Your Path to DevOps Maturity

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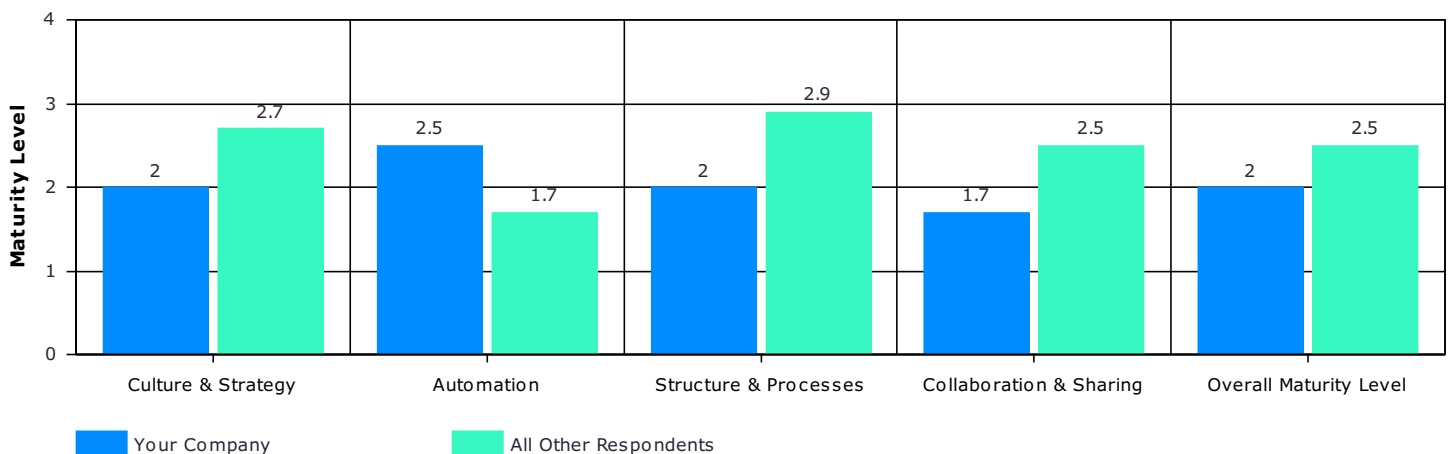
Where are you in your DevOps Maturity?

No matter what your overall DevOps maturity level is, you are now one step closer to fully understanding where you are in your DevOps practices. More importantly, you're also one step closer to knowing exactly how you can advance your DevOps efforts.

Next Steps

1. Compare your company's DevOps Maturity to the average of all other respondents below.
2. Review the recommendations below.

Your Company's Maturity Level Compared To All Other Respondents



Recommendations:

Culture & Strategy

Now you are ready to create a consensus on DevOps core principles across your development and operations units through intensive alignment activities. Establish key performance indicators to align teams on agility. Build skills through further piloting of DevOps and make your DevOps vision part of your digital vision.

Automation

Moving to advanced level requires adding static code analysis to your Continuous Integration. Start by scripting more complex and conditional deployment steps; then you can use a multi-tier deployment model for automation. Manage your environment parameters separately from scripts, and use RBAC to automate further UI tests and performance tests.

Structure & Processes

Start to integrate some of your production resources into development teams. Re-organize your teams to establish a 'virtual' team, combining development and production teams. Dedicated some teams to specific application platforms ('platform teams').

Collaboration & Sharing

Establish basic sharing of status information between dev, infra and ops teams in the release process (e.g. status and content of new deliveries, environment, and deployment status). Establish release note standards, which will help ease the hand-over between Dev and Ops. Industrialize it later on. Your Dev & Ops teams could start working together by using a common basic dashboard and

setting up joint post-release sessions to share experience and feedbacks between Dev and Ops.

Overall Maturity

You are now ready to enhance your continuous integration with static code analysis. Introduce multi-tier deployment models and an environment parameter repository, which serves the deployment scripts and processes. Establish a consensus and key performance indicators for DevOps and agree on a joint deployment tool between Dev and Ops. Re-organize your teams to build a virtual Dev and Ops team. Eventually, introduce Agile methodologies to your operations and enhance and expand agile methods in Development.

Question & Answers

Culture & Strategy

Q. How aware are your employees of core DevOps principles and their benefit for your organization?

A. 1 - Teams are enhancing their understanding of DevOps - activities remain unaligned within the larger organization

Q. How skilled is your organization in DevOps methods and practices?

A. 3 - Several teams have complete DevOps experience & skills

Q. How incentivated and motivated is your workforce to apply DevOps practices?

A. 2 - Org. has some DevOp visionaries, positive sentiment, and alignment trials between Dev & Ops have begun

Automation - .NET

Q. How mature is your release and deployment automation?

A. 2. New releases deployed using standard tools, like a run book automation tool. Integration with other tools is manual

Q. How mature is your test automation?

A. 4. End-to-end business processes are tested in an automated manner across applications and interfaces

Q. How mature are your build and integration processes?

A. 1. Nightly builds are automated, but not validated. Packaging for test deploy is done in an automated fashion

Q. How automated is your environment provisioning process?

A. 3. Infrastructure and middleware provisioning are automated, but not as a single orchestrated process

Structure & Processes

Q. How good is your organizational structure fit for DevOps?

A. 1 - Dev follows an application portfolio, ops remains infrastructure-technology driven

Q. How well aligned is your delivery methodology with DevOps principles?

A. 2 - Agile integrated in QA processes, but release process is separate and not agile

Q. How repeatable is your release process?

A. 3 - Release & deployment process is fully repeatable for all release types

Collaboration & Sharing

Q. To which extent are you align and share your processes between dev & ops?

A. 0 - Dev and ops use separate and redundant processes with limited sharing

Q. To which extent are you integrate and share your tools between dev & ops?

A. 3 - Tools between dev, qa & ops are fully integrated, with a single flow between

Q. How strongly do you collaborate to building shared knowledge?

A. 2 - Moderate knowledge sharing, but teams use separate repositories

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