Daemon Solutions

Three Steps to DevOps Integration: Assess – Discover – Deliver

Introduction

At Daemon Solutions we believe that DevOps in its purest form is an entire organisation pulling in the same direction to rapidly deliver high quality software products and reduce costs. Ultimately, for any business, DevOps should optimise your end-to-end delivery lifecycle and we achieve this by utilising our proven agile approach: Assess – Discover – Deliver.
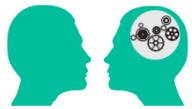
Step 1: Assess

We conduct a high-level exploratory assessment of your existing capabilities and potential benefits these can or already do deliver. This first step then allows us to set out the costs and benefits case for wider engagement of DevOps throughout your organisation. The areas we assess include:

- Technical practices: Tools, build management, deployment, test automation, environment provisioning
- Cultural factors: Stakeholder buy-in, change management, continuous improvement
- Delivery process: Release management, governance, quality management

Depending on the level of automation and collaboration already adopted throughout your current product lifecycle, the usual timescale for this initial assessment is 3-5 days.

Step 2: Discover

This is a 4-6 week phase of our DevOps solution, which focuses on a team of our consultants working with you to conduct a detailed review to fully analyse your existing processes, capabilities and culture.

Daemon Solutions investigate and document your current delivery model, including all automation, technology, tools, process and organisation stakeholder input and existing collaboration across environment, build, deployment and test stages. This includes an assessment of current capability and challenges, understanding of in-flight initiatives, definition of workstream, identification of any quick wins and finally a high level solution design alongside a detailed delivery plan

Our Discover phase allows us to identify any problem statements associated with your current model as well as capture any metrics for your current delivery too.

Example of a typical Discovery scope:

- Current practices (source control, branch & merge strategy, defect management, code build & deployment)

- 3rd party supplier development practices

- QA & testing practices including frameworks & tools

- Environment build and management practices

- Service Operations processes (eg. Release / Change Management)

- Project process & pipeline

- Solution architecture & boundaries of CI/CD solutions

Typical Discovery Outcomes and Deliverables:

- Documentation of problem statements & relevant findings for the discovery scope

- CI/CD competencies & capabilities to address problem statements & findings

- CI/CD roadmap, showing anticipated timelines for CI/CD capabilities delivery

- Definition of workstreams for CI/CD capabilities delivery

- Statement of quick wins & expected benefits

- High level project plan for delivery of quick wins

- Agreement for benefits metrics & measurements

Step 3: Deliver

Our Delivery phase has been developed to ensure that all initiatives and projects drive towards a common goal for your business – increased collaboration, cost savings and quicker time to market with new products and their upgrades and enhancements.

Using Agile, we work in partnership with your teams to implement the agreed DevOps improvements. Depending on the scope of these, the project timescales can vary but as a guide these could be between 3-12 months.

We break down the steps within our delivery phase and ensure the integration of each element is achieved so the implementation of the DevOps you require is a cohesive process. These elements include all the actions and collaboration required right from reproducible build environments and standardisation of both build and deployment process, through to test automation and continuous deployment.
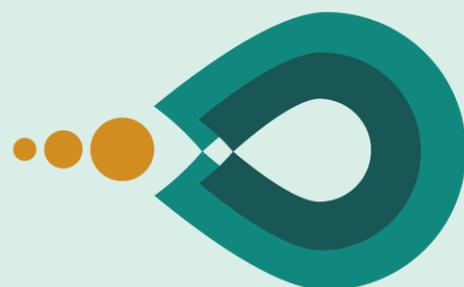
Depending on your exact requirements, this is what our Delivery phase could include:

- DevOps architecture Design
- Continuous integration toolsets and pipelines implementation
- Automated cloud provisioning implementation
- Test automation design and implementation
- Support of organisation and process design for DevOps

If you wish to explore the tangible business benefits that DevOps can deliver, we are currently offering a no obligation, fact finding consultation to demonstrate how you could gain real value from your investment in DevOps with Daemon Solutions.

Contact details:
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alternatively search for Daemon Solutions
on the g-cloud digital marketspace.**