



# DevOps Assessment



# DevOps?

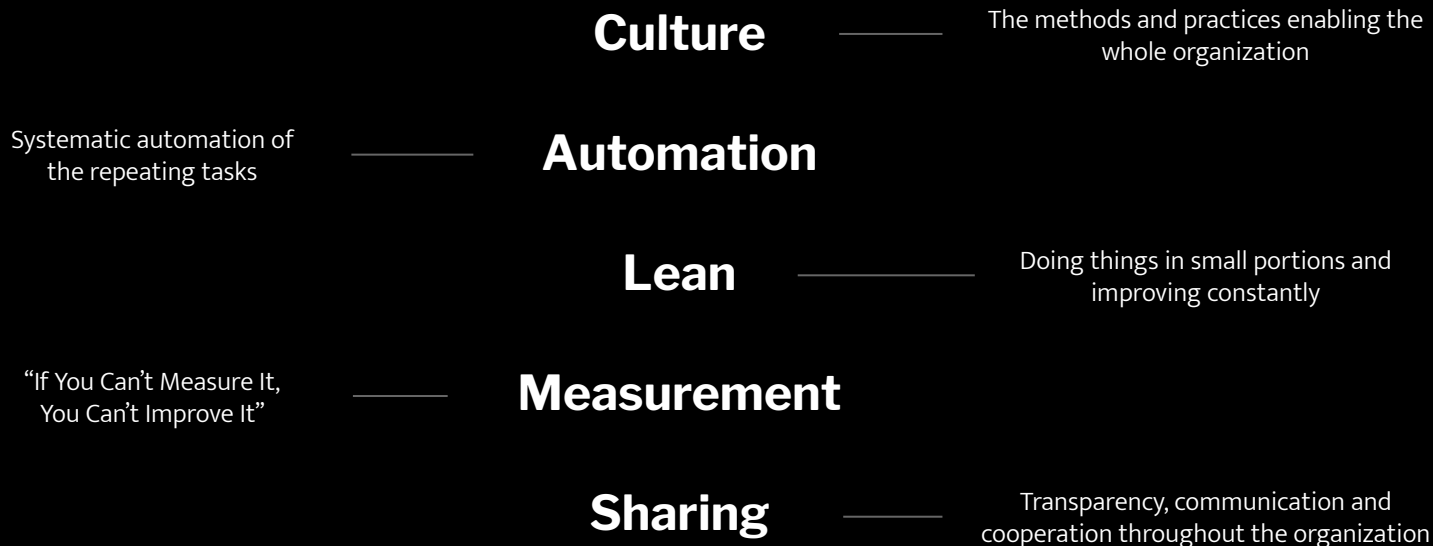


Some people write code while others make sure it's always running smoothly.  
DevOps is everyone working as one team.

DevOps is the unification of the workflow from development to production. Previously, this was an opaque process, but today DevOps brings transparency, collaboration, trust and insight to a technical organization.

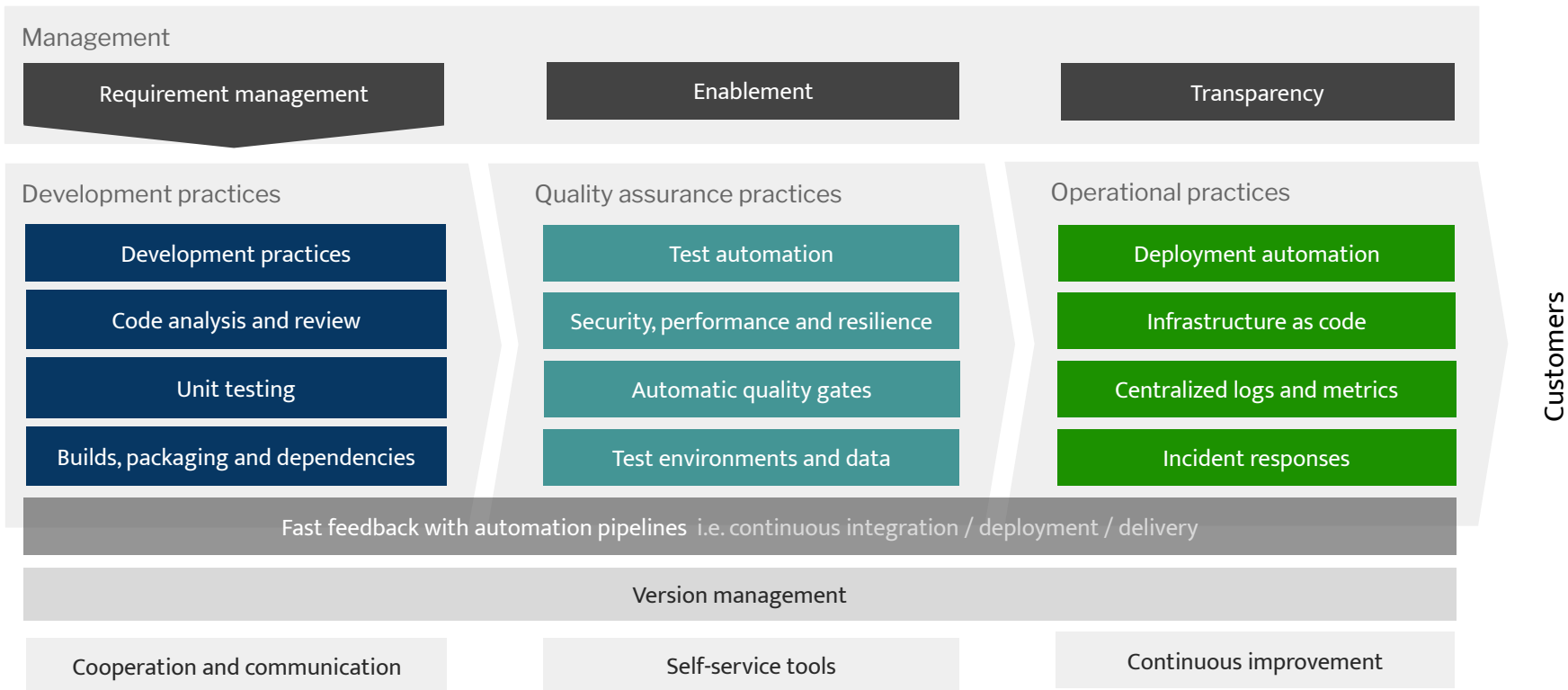
Higher-quality solutions delivered faster enable ROI and risk management objectives.

# CALMS - The Principles of DevOps





# DevOps-related practices - Assessment Scope





# DevOps Assessment

# The key benefits of the assessment

Avoid solving the same problem multiple times - implement solutions that actually work. Our recommendations are based on experience from large amount of clients.

## Understand where you are

- Get a good visibility to the practices and tools used by your teams.
- Understand your employees' key issues and pain points.
- Get insight on how your practices and tools compare to the best practices.

## Know the next steps

- Get clear recommendations on how to introduce beneficial practices and tools that might be currently missing.
- Get expert advice on how to solve the issues identified during the assessment.
- Get recommendations on how automate the currently manual tasks to increase quality, predictability and performance.

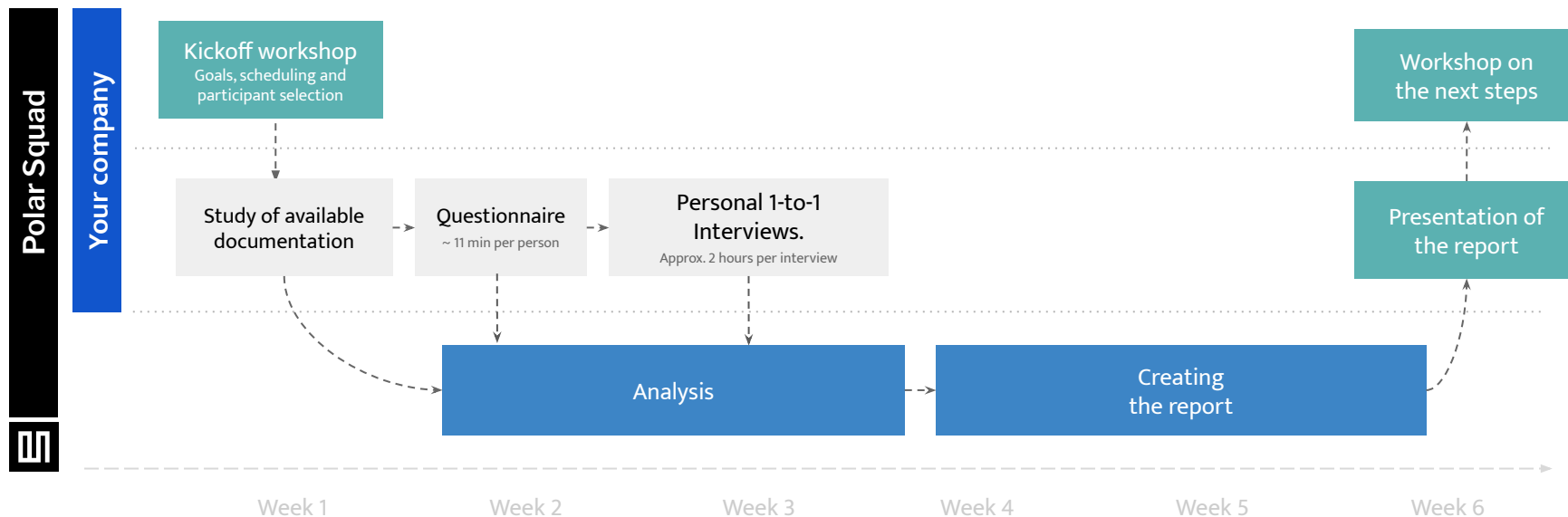
## Drive transformation by inspiration.

In addition to understanding the current state, the assessment inspires people to a common goal - transformation becomes a joint effort.

As the key players throughout the organization get to share their insights, problems and ideas, they commit to the transformation on more personal level.



# Timeline for a typical assessment





# The Assessment Report

At the end of the project we'll present you the results as a clearly written report containing all the relevant information you need to understand where you currently are and our recommendations on how to proceed in your transformation.

## Executive summary

A concise summary of the the assessment and the findings including:

- Overview of the assessment.
- Summary of the positive findings.
- Summary of the most important development areas.
- Summary of the recommendations.

## Findings for the key topics

Detailed findings for the most relevant topics related to the DevOps practices describing for each topic:

- the current state
- the positive findings
- Identified improvement areas.

## Recommended actions

A list of recommended actions with a high-level estimation of impact and relative work size.

A recommended roadmap is provided to give insights on the implementation order for the requirements.

# Selected example slides from the report

## Background

During XXXXXXXX of 2020 Polar Squad performed an evaluation of Client Company's DevOps - related practices and technologies.

- Focus was on evaluating the current development- and operational practices and technologies and to identify the areas for improvement.
- Teams X, Y and Z from the UNIT XYZ were selected as the participants for the study. As the operational- and supporting practices were also examined as part of the study, the actual organizational scope is actually wider.
- The assessment consisted of examination of the current documentation, survey sent for a wide range of employees and a set of 16x1 interviews.
- Survey was sent to XX employees with response rate of XX%.
- XX personal interviews were conducted after the initial survey.

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## Key improvement areas

Concise, high level summary of the points below here in few sentences.

### Manual deployment practices cause work

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### Requirements are often unclear

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### Monitoring is limited to only few areas.

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### No resilience- or performance tests

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### There are no coordinated improvement practices

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### Release cycle is slow and releases laborious.

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## Development practices

### The current state

- The teams mostly utilize agile practices but for most teams the practices are practiced in unsystematic manner.
- Work tasks are given to teams from multiple directions at any moment causing difficulties in coordination.
- Priorities are not coordinated centrally or clearly defined which causes interruptions in work and difficulties in coordination.
- In some teams tasks are not systematically managed.
- Clear requirement structure or DOR is not defined. Requirements usually lack clear acceptance criteria.

### Recommendations

- Set up prioritized Kanban boards to visualize the current backlog.
- Define a clear DOR to define when requirements can be taken into development. Define that all requirements must have clear acceptance criteria.
- Set up practice for cooperatively refining requirements every week in requirement refinement sessions where the initial unstructured requirements are refined to clear requirements following defined DOR.
- Involve business-side to the refinement meetings to spread information about initial needs to the development team.

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## Positive Findings

Concise, high level summary of the points below here in few sentences.

### Employees are happy

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### High automated testing coverage

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### Well-working teamwork coordination model

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### Advanced CI/CD automation

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### Functional and clear version control structure

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### Reliable, easy-to-find documentation

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## Practice- and tool overview

1 / 2

	Operational needs	Requirements and tasks	Programming language	Database	Native platform	Infra. services	Networks used	Code analysis	Code review
Team A	Scrum	Jira	Java	MySQL	AWS	Stack	Git	SourceQube	Peer requests
Team B	Undefined	Jira	Undefined	AccessDB	AWS	Stack	None	SourceQube	Mandatory Peer requests
Team C	Scrum	Trilob	Java	AccessDB	AWS		SVN	SourceQube	
Team D	Kanban	Jira	Python	PostgreSQL	On-premise servers		Git	SourceQube	
Team E	Scrum	None	C++	PostgreSQL	on-premise VMware		Git	SourceQube	

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## Recommended actions

Area	Recommendation	Effort / cost / invest	Description and benefits
Req.	Set up requirement refinement sessions	S / L	Set up recurring practice for cooperatively refining requirements every week in requirement refinement sessions where the initial unstructured requirements are refined to clear requirements following defined DOR. <ul style="list-style-type: none"> <li>Facilitates communication both between business and development and inside the team.</li> <li>Shifts communication earlier to the process and eliminates misunderstandings.</li> <li>Makes sure requirements are understandable and are written in useful manner.</li> </ul>
Dev.	Take into use defined, common version control practices	L / L	Adopto vcs, sed quia non nuncquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur. <ul style="list-style-type: none"> <li>Ut enim ad minima veniam</li> <li>Quis nostrum exercitationem</li> </ul>
Dev.	Set up a single location for all documentation	S / L	At venen et accumsan et lacinia odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. <ul style="list-style-type: none"> <li>Quis dolores et quas</li> <li>Dignissimos ducimus qui blanditiis</li> </ul>

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Thank you!