



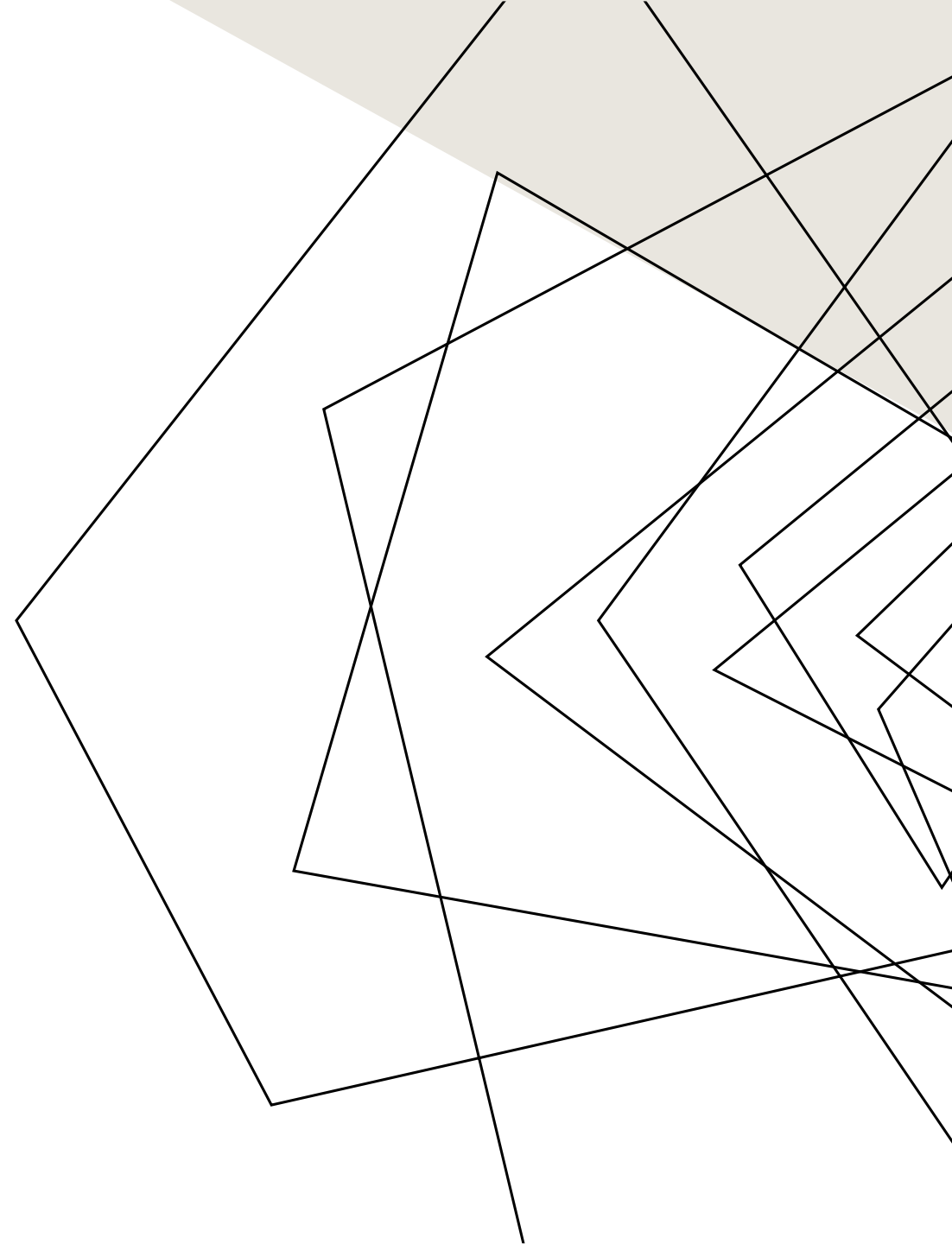
THE TECHNOLOGY VALUE STREAM

1/11/2025

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The Technology Value Stream represents the sequence of activities required to transform a customer request into a valuable product or service.

This presentation explores key concepts from *The DevOps Handbook*, including lead time vs. processing time, challenges with traditional deployment lead times, and the benefits of achieving deployment in minutes.





LEAD TIME VS. PROCESSING TIME

Lead time refers to the total time from when a request is made until it is delivered to the customer. This includes waiting, handoffs, and actual work time.

Processing time, on the other hand, is the time actively spent on creating or delivering the product.

The gap between lead and processing time highlights inefficiencies, such as delays caused by approvals or resource constraints.

THE COMMON SCENARIO: LONG DEPLOYMENT LEAD TIMES

In many traditional organizations, deployment lead times can span months due to complex processes and siloed teams.

Challenges include:

- Manual approvals and extensive handoffs.
- Lack of automation in testing and deployment.
- Misaligned priorities between development and operations teams.

These delays lead to missed opportunities, increased costs, and customer dissatisfaction.

The need for a more efficient approach is clear.

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OUR DEVOPS IDEAL: DEPLOYMENT IN MINUTES

The DevOps approach enables organizations to achieve deployment lead times as short as minutes.

Key practices include:

- Continuous Integration (CI) to ensure code changes are tested frequently.
- Continuous Delivery (CD) to automate deployment pipelines.
- Collaboration between teams to reduce silos.

By focusing on automation, monitoring, and streamlined workflows, DevOps transforms the value stream into a rapid and reliable process.



BENEFITS OF OPTIMIZING THE TECHNOLOGY VALUE STREAM

Shorter deployment lead times offer significant advantages:

- Faster feedback loops improve product quality and customer satisfaction.
- Smaller, more frequent changes reduce the risk of failures.
- Teams can quickly adapt to market demands, staying competitive.

Additionally, automating repetitive tasks frees up time for innovation, allowing organizations to focus on delivering exceptional value.

SOURCES:

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