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Why are modern IT Systems important?

Ferry Shipping Summit 2024

- Mikael Egnér
- 17 years of experience from Stena Line
- Founder & CEO of Ferry Systems

Cloud-based IT-Systems?

- Shared responsibility
- AWS: 50.000 employees

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Well Architected Framework

- Automated threat detection
- Continuous code scanning
- Least privileged access model
- Threat modelling

Security

Operational Excellence

Reliability

Performance

Sustainability

Cost Optimization

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Well Architected Framework

- Automatic scaling (application & infrastructure)
- Highly available setup, spread across multiple availability zones
- Redundant backups (cross accounts & regions)
- Fire drills & game days

Security

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NotPetya?

Maersk ransomware 2017?

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What can you do about it?

- Redundant backups (cross regions & accounts)
- MongoDB Atlas Backup compliancy
- Fire drills & game days

Well Architected Framework

- Load testing
- Performance monitoring & optimization

Security

Operational Excellence

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Does performance matter for an
E-Commerce site?

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Walmart

Every 1-second improvement in page load time increased conversions by up to 2%.

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Shopzilla

*Page speed from 7 seconds to 2 seconds
Increased conversion rates by 7-12%.*

Amazon

100-millisecond delay in page loading time cost them 1% in sales.

Spinners?

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Strengths & benefits

API first. Our own web applications using the same type of API as integrations
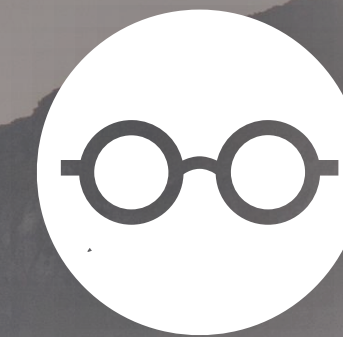
Infrastructure as Code

Requires no special expertise to manage – just business knowledge

A cloud-based solution that is fully scalable

Fast implementation and easy setup

Complete auditing

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Service Level Agreement

- 99,99% uptime
- Response times of less than a second

Questions?