The Art of Performance Testing, Building Reliable Applications & AWS Solutions

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Reliability vs Resiliency

Performance Testing

Types of Performance Testing

Load

System performance under expected usage

Stress

Evaluate system behavior under extreme, beyond-normal load conditions

Endurance

Sustained load testing to identify long-term issues.

Spike

Rapidly increasing or decreasing load to assess resilience and behavior

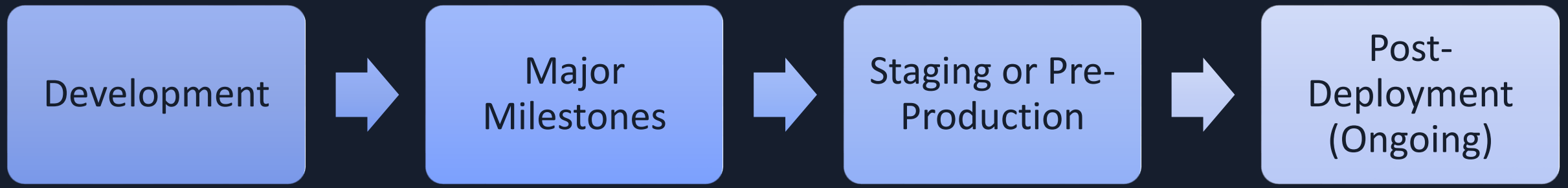
Scalability

Measuring performance under growing user/transaction volume

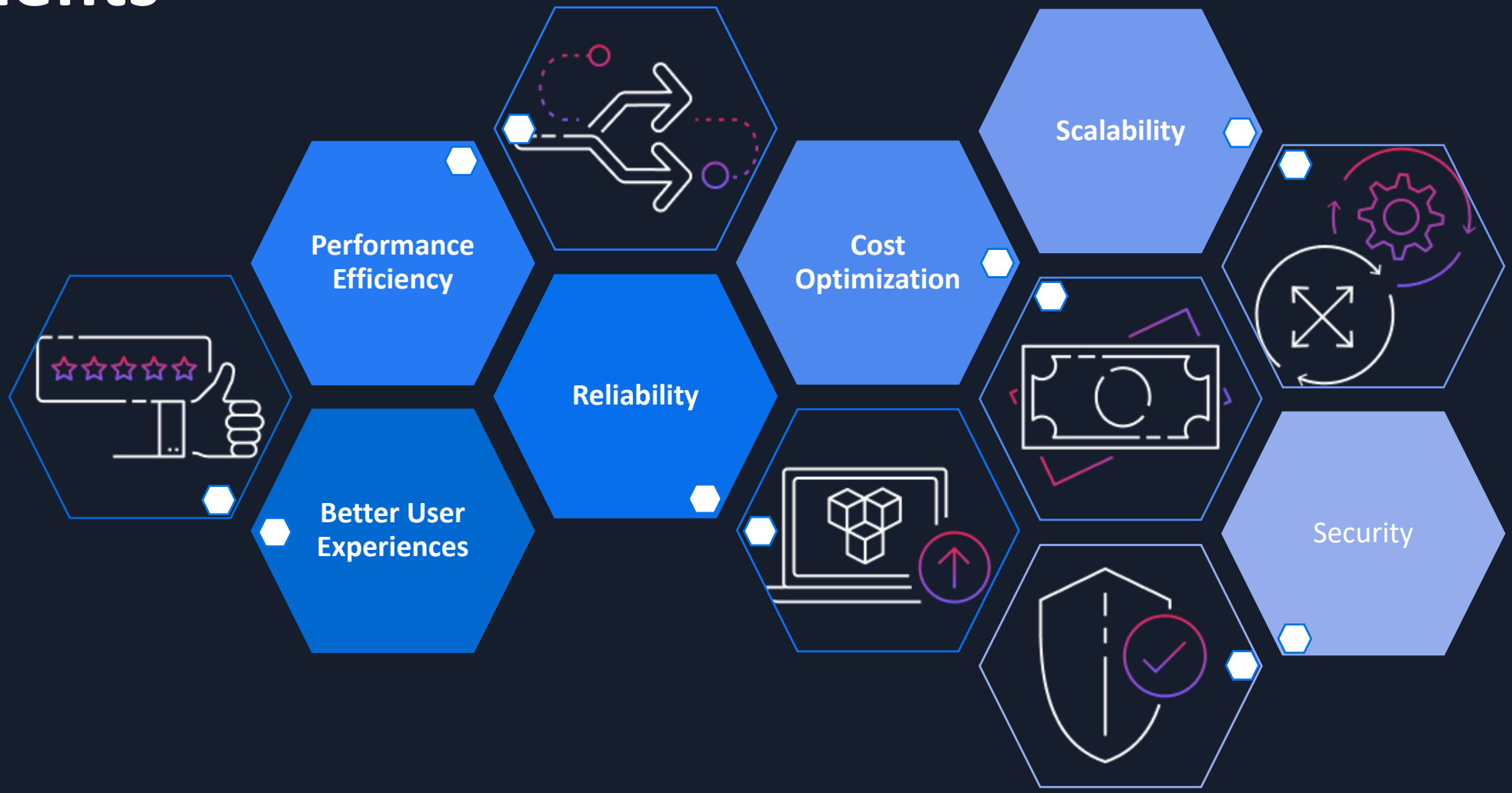
Volume *

Evaluates the impact of handling large amounts of data

When



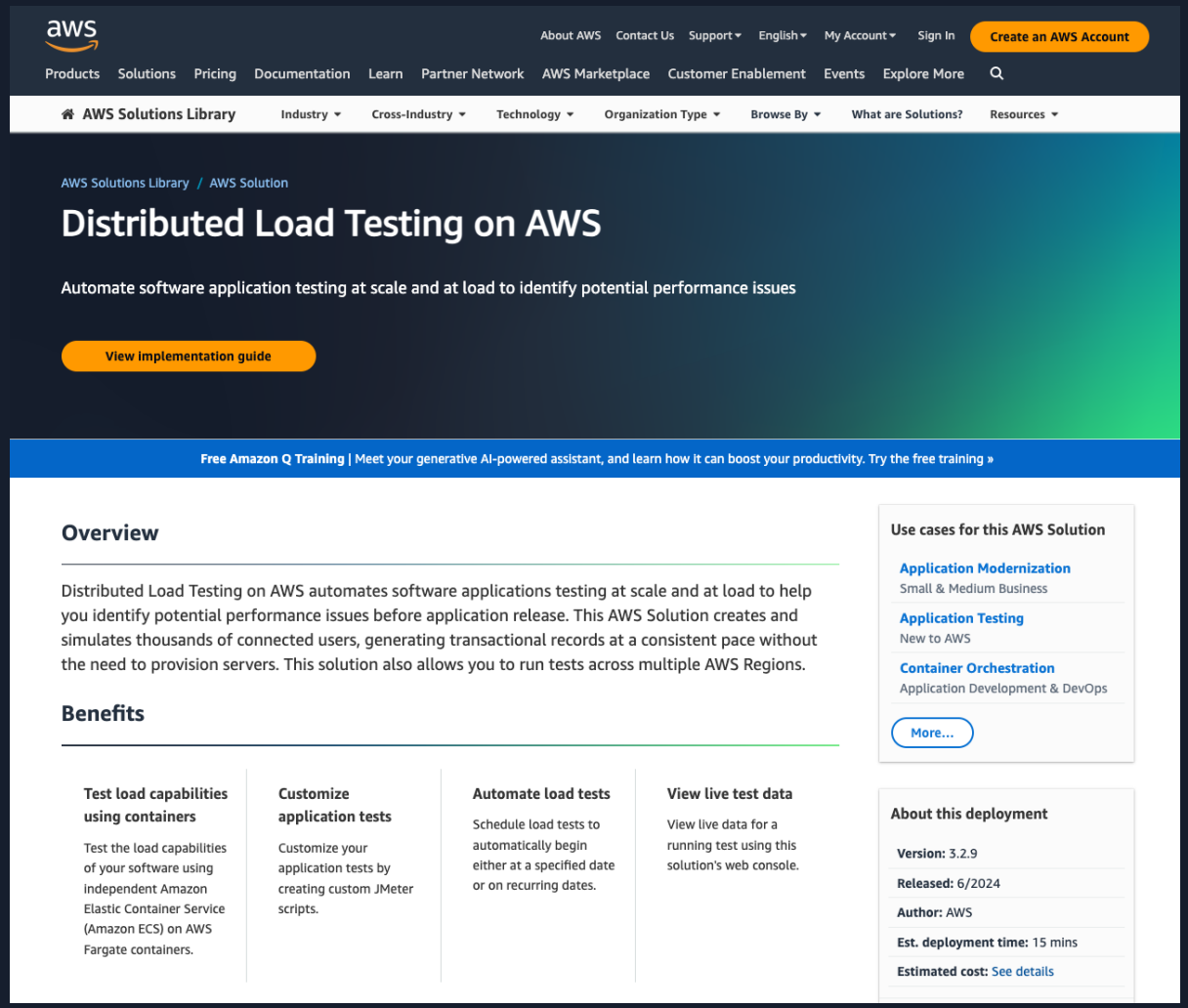
Benefits



How ?

Distributed Load Testing

AWS SOLUTIONS



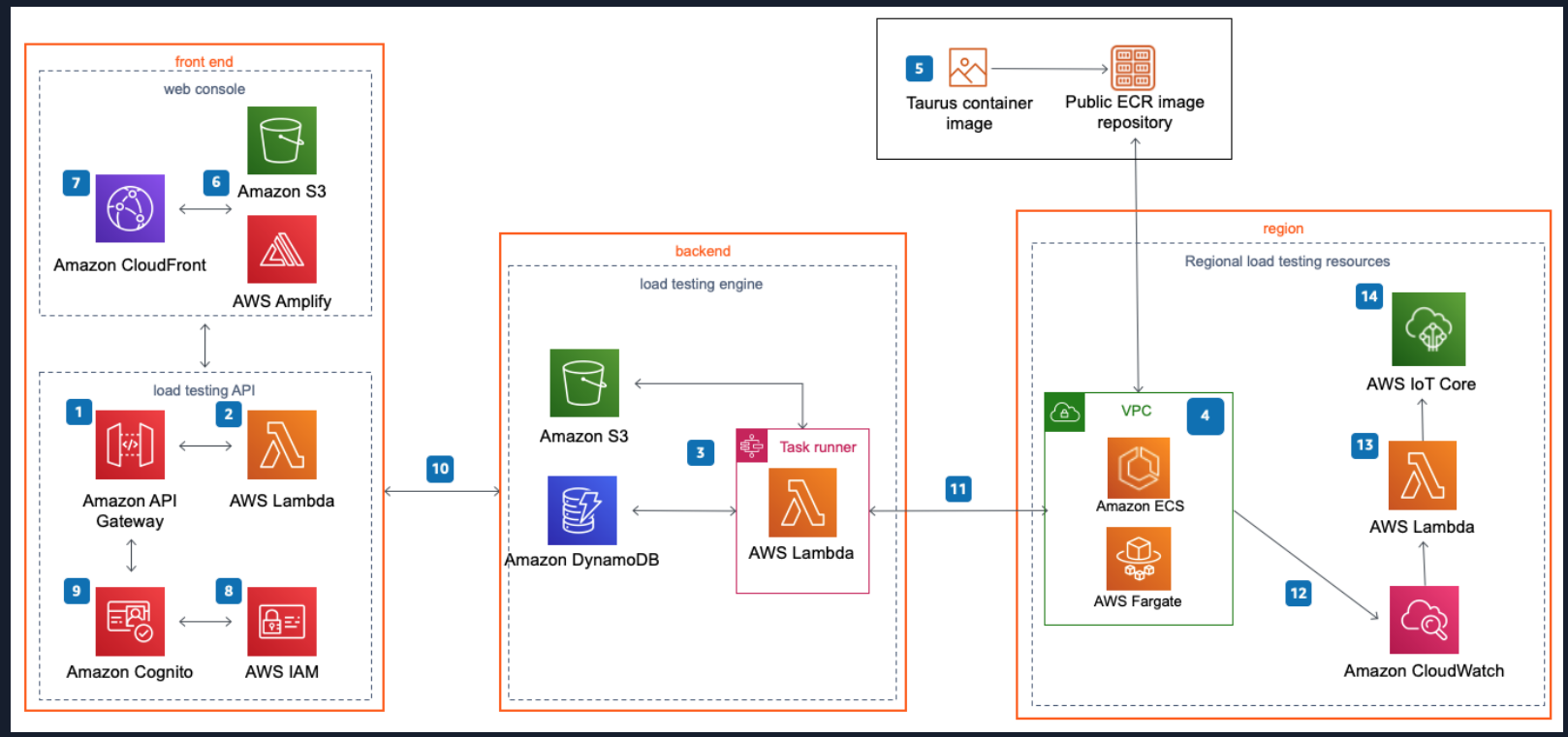
Distributed Load Testing on AWS

KEY FEATURES

- Automate Load Tests
- Load Simulation with Serverless Computing
- Customize Application Tests
- Schedule for Seasonal Spikes
- Comprehensive monitoring and reporting for performance insights

KEY BENEFITS

- Scalable and on-demand load testing without infrastructure management
- Mitigate performance issues in advance of events
- Generate simulated transactional records without disruption



Deployment Model

100%

Open Source

Single Tenant

Fully Supported by AWS

$

Pay for what you use

Success Stories

April 23, 2024

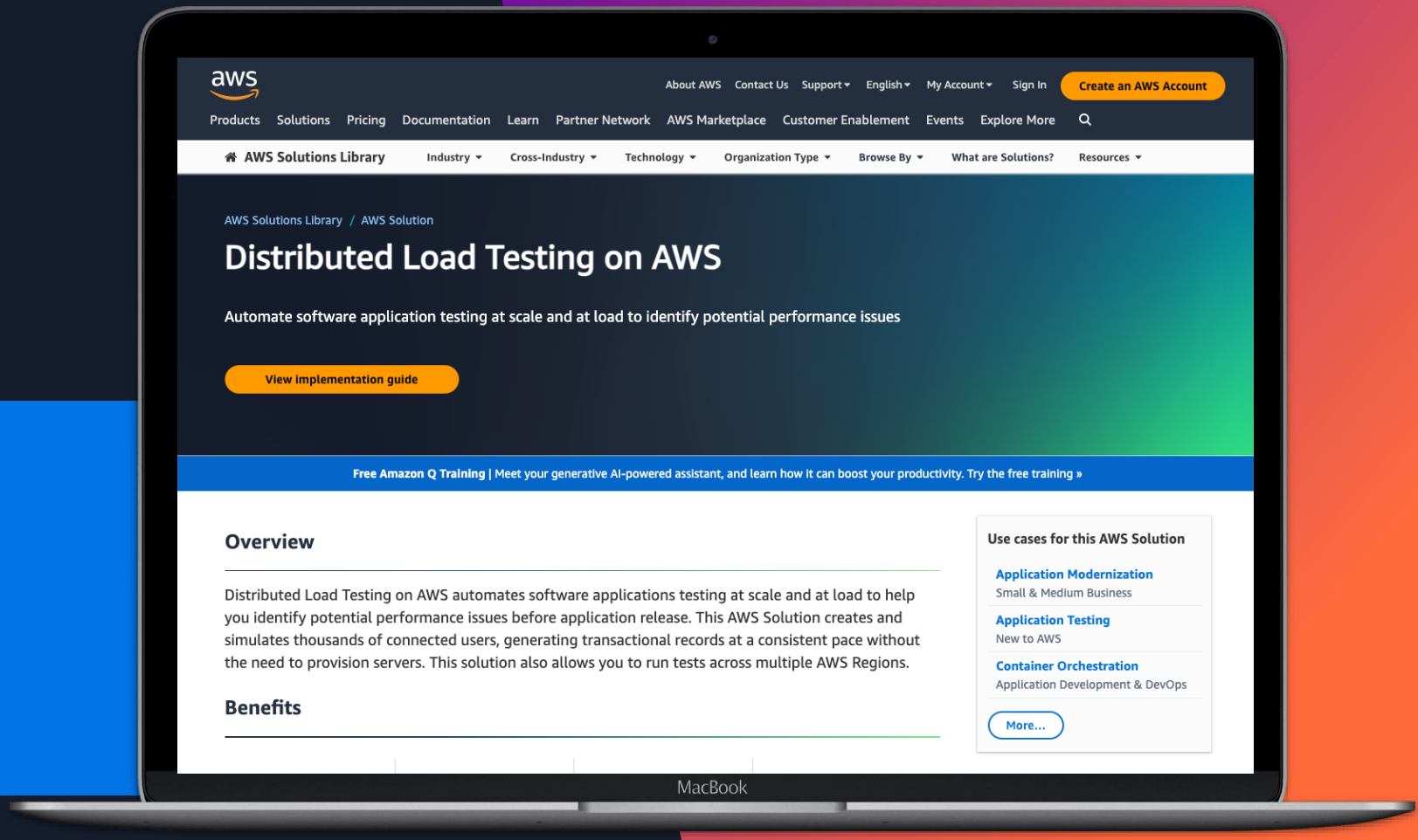
SBI Securities Completes Migration of Its Online Trading System to AWS Handling Over 2 Trillion JPY in Daily Stock Trading Transactions

SBI Securities is also using AWS Distributed Load Testing to validate that its infrastructure can scale to meet spikes in customer demand by mimicking sudden surges in traffic.

Source: https://press.aboutamazon.com/aws/2024/4/sbi-securities-completes-migration-of-its-online-trading-system-to-aws-handling-over-2-trillion-jpy-in-daily-stock-trading-transactions

Get started!

Distributed Load Testing on AWS
https: //a.co/arUKzr9



Demo

Thank you!

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