

AWSOME DAY

ONLINE CONFERENCE

Module 4: AWS Architecting Essentials



Introduction to the Well-Architected Framework

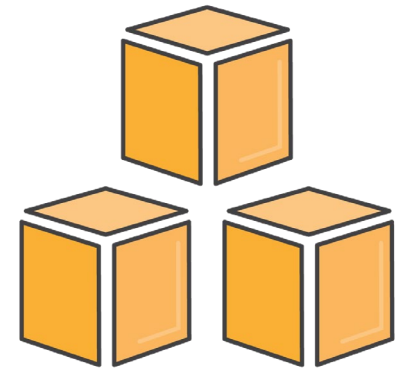
Introduction

AWSSOME DAY
ONLINE CONFERENCE

Assess and improve architectures

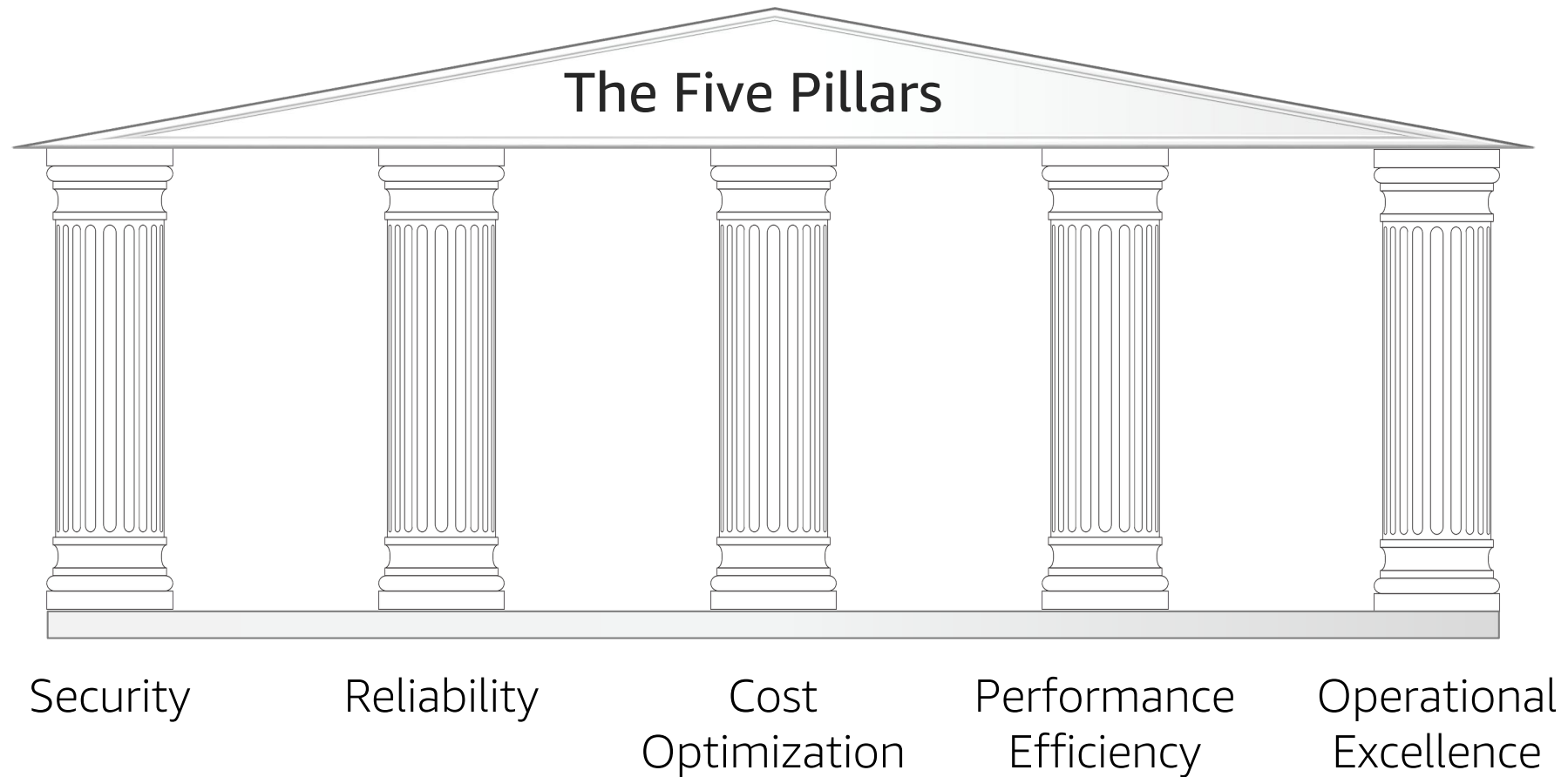
Understand how design decisions impact business

Learn the five pillars and design principles



5 Pillars

AWSSOME DAY
ONLINE CONFERENCE



Security Pillar

AWSSOME DAY
ONLINE CONFERENCE

Identity and access management (IAM)

Detective controls

Infrastructure protection

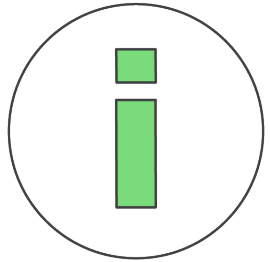
Data protection

Incident response

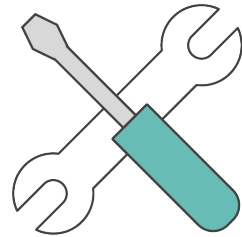


Security Pillar: Design Principles

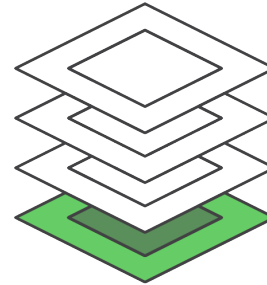
AWSSOME DAY
ONLINE CONFERENCE



Identity
foundation



Enabling
traceability



Security at all
layers



Risk assessment
and mitigation
strategies

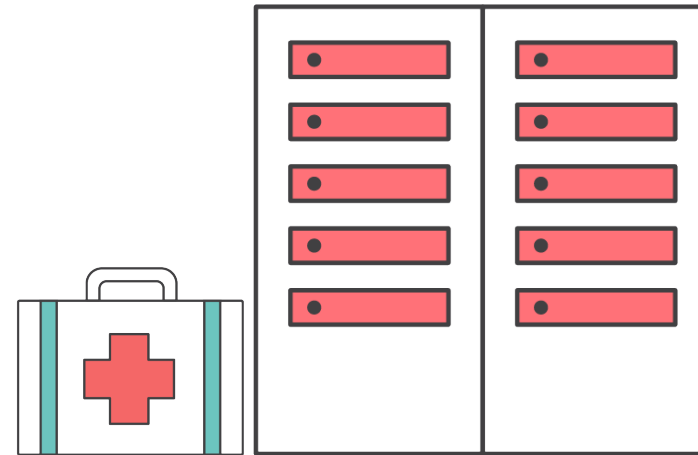
Reliability Pillar

Recover from issues/failures

Apply best practices in:

- Foundations
- Change management
- Failure management

Anticipate, respond, and prevent failures



Reliability Pillar: Design Principles

AWSSOME DAY
ONLINE CONFERENCE

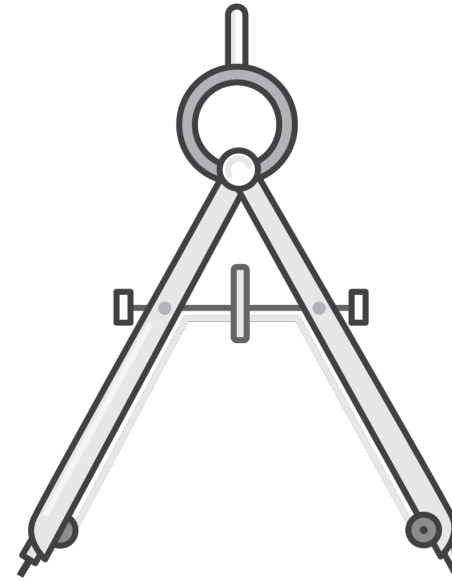
Test recovery procedures

Automatically recover

Scale horizontally

Stop guessing capacity

Manage change in automation



Cost Optimization Pillar

AWSSOME DAY
ONLINE CONFERENCE

Use cost-effective resources

Matching supply with demand

Increase **expenditure** awareness

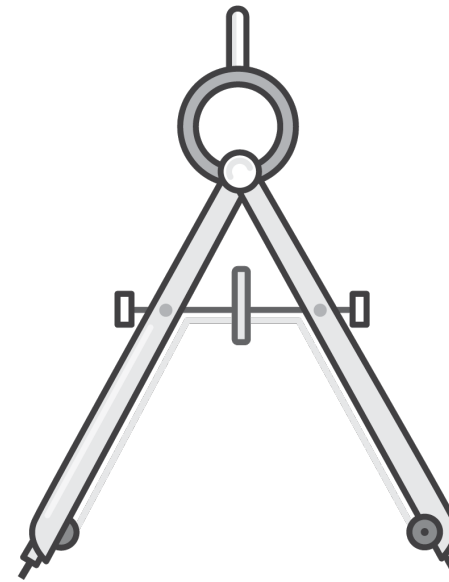
Optimize over time



Cost Optimization Pillar: Design Principles

AWSSOME DAY
ONLINE CONFERENCE

- Adopt a consumption model
- Measure overall efficiency
- Reduce spending on data center operations
- Analyze and attribute expenditure
- Use managed services



Performance Efficiency Pillar

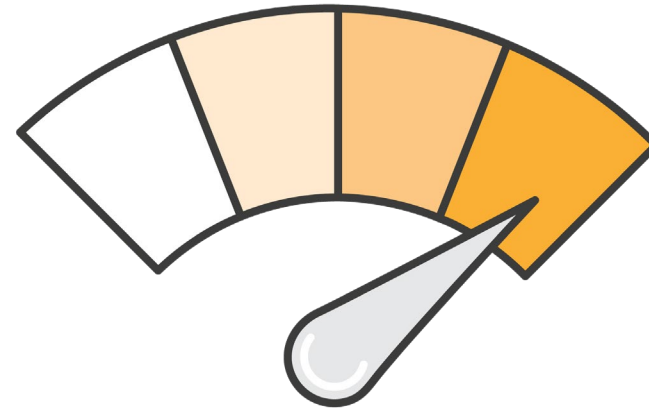
AWSSOME DAY
ONLINE CONFERENCE

Select customizable solutions

Review to continually innovate

Monitor AWS services

Consider the trade-offs



Performance Efficiency Pillar: Design Principles

AWSOME DAY
ONLINE CONFERENCE

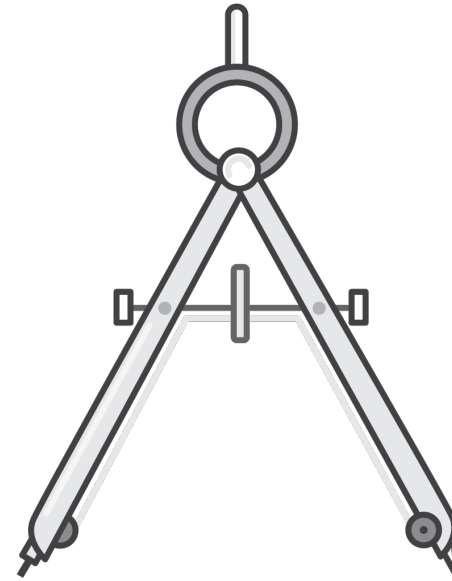
Democratize advanced technologies

Go global in minutes

Use a serverless architectures

Experiment more often

Have mechanical sympathy



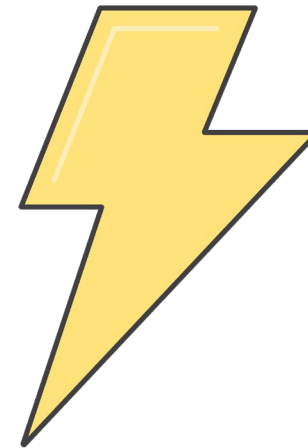
Operational Excellence Pillar

AWSSOME DAY
ONLINE CONFERENCE

Manage and automate changes

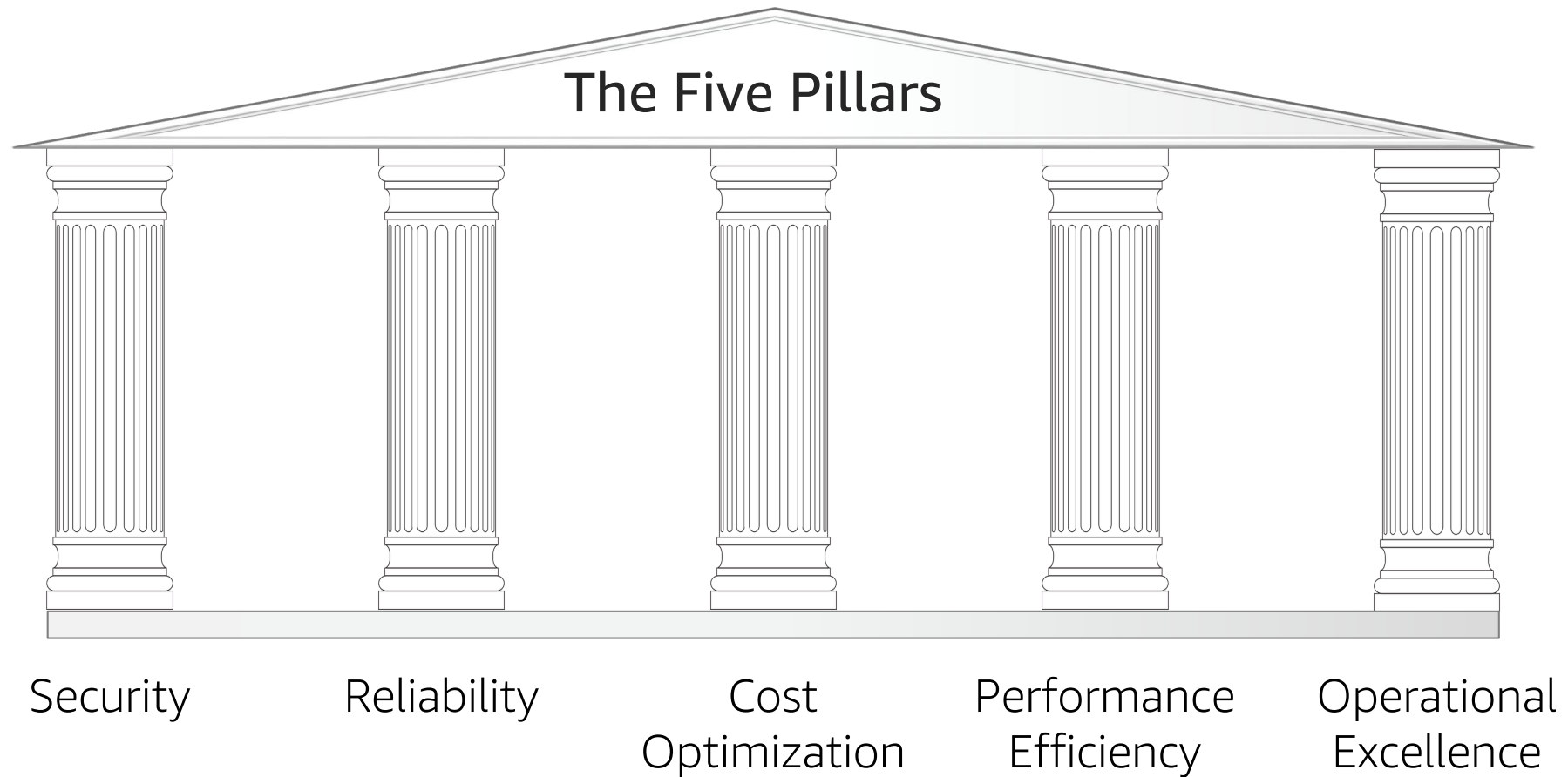
Respond to events

Define the standards



Summary

AWSSOME DAY
ONLINE CONFERENCE



Well Architected Tool

Demo

End of Module 4

Test Your Knowledge