



# Security empowerment of DevOps

The Security Champions concept

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DevSecOps  
OpsDevSec  
SecOpsDev  
DevOpsSec  
OpsSecDev  
SecDevOps

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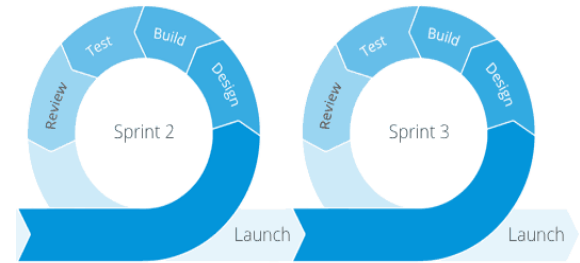
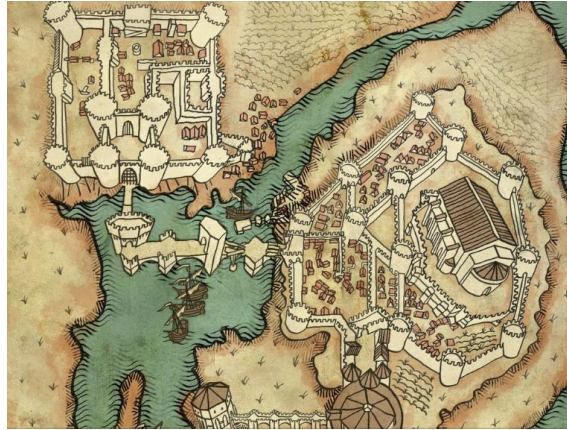
### Corporate Security

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Risk, Legal & Compliance  
Hardturmstrasse 201  
Postfach  
CH-8021 Zürich

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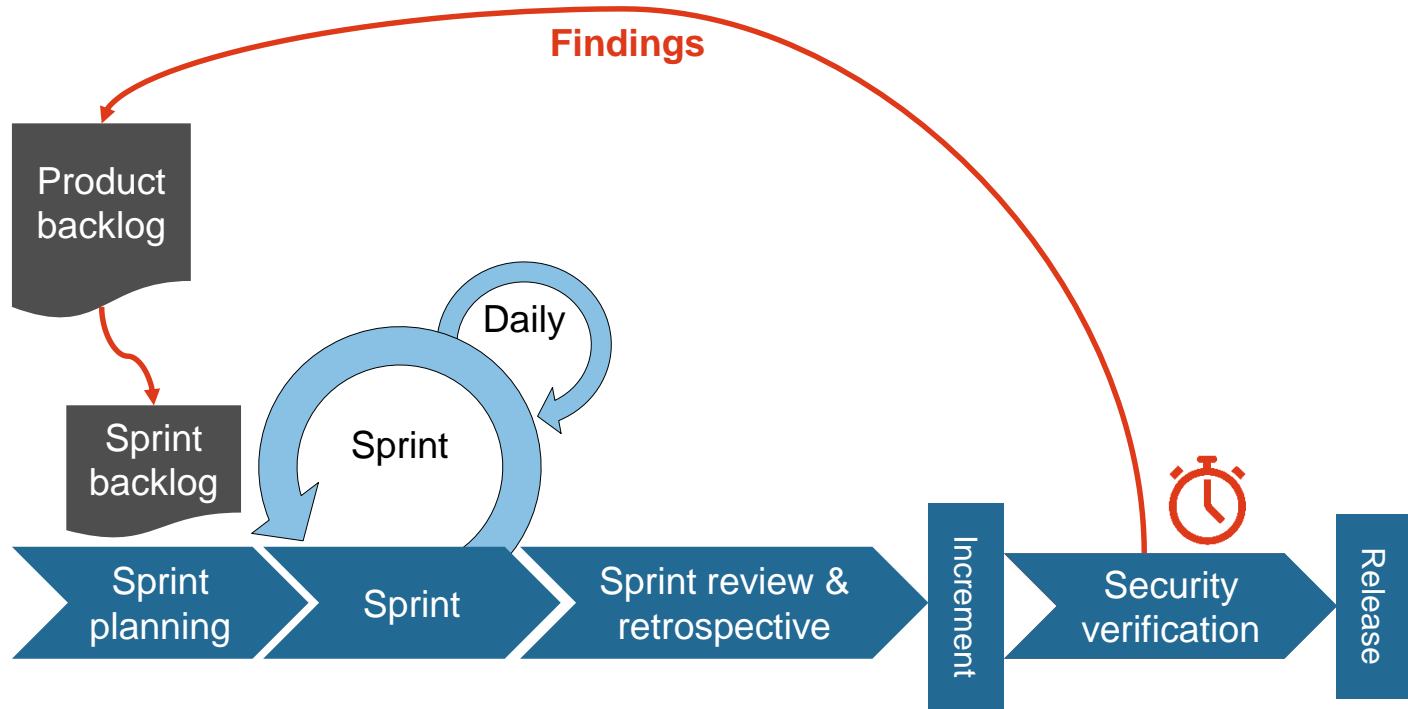


# IT landscape and threats are changing



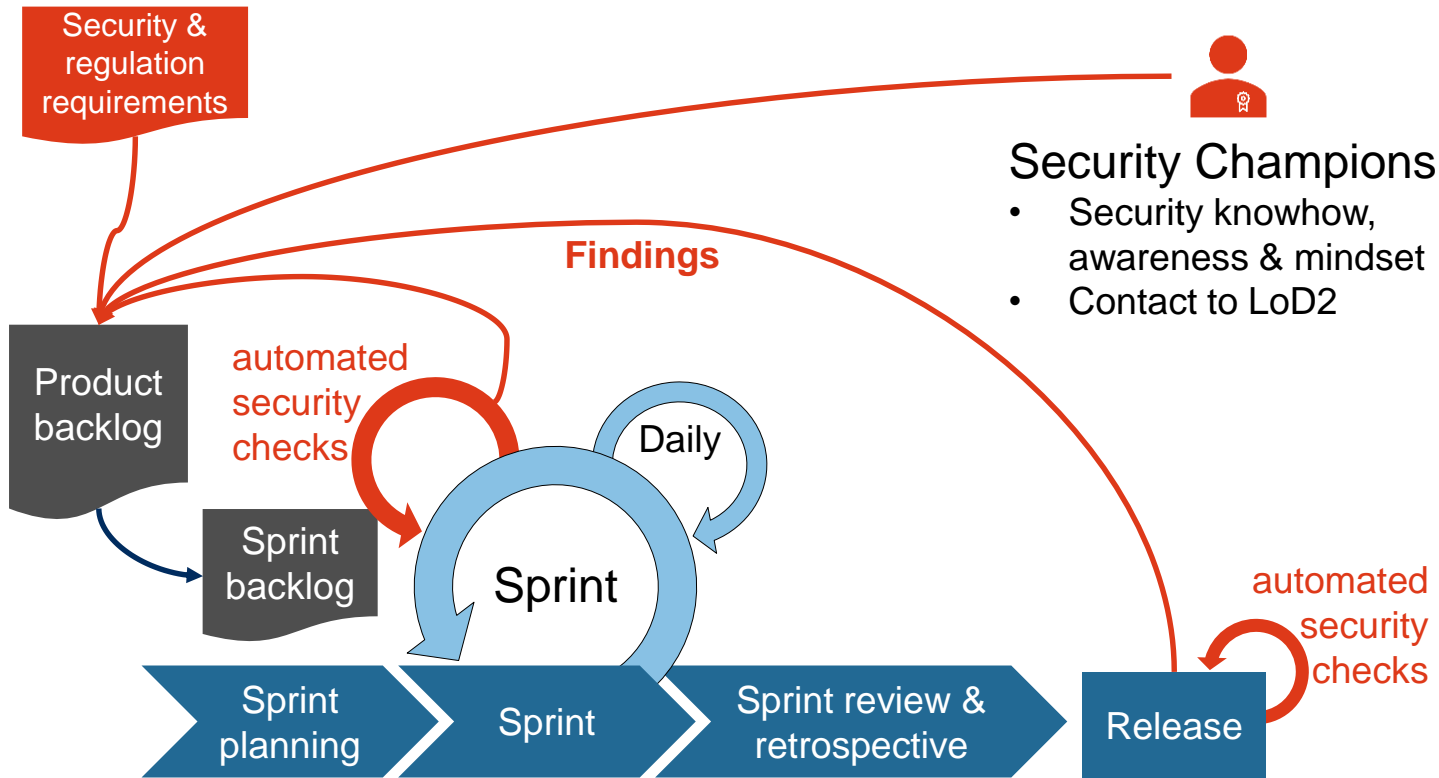
- Current protection approaches are not sufficient any longer
- Security must be built into solutions and not attached later
- The security mindset needs to change

## Current Security perception



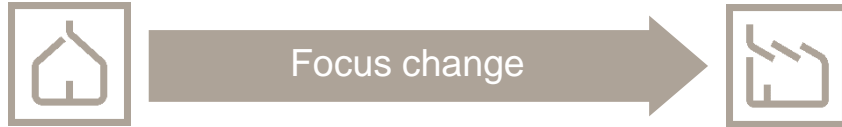
- Security verifications are time consuming (several weeks)
- May cause delays by revealing critical vulnerabilities just before go-live

# How to improve

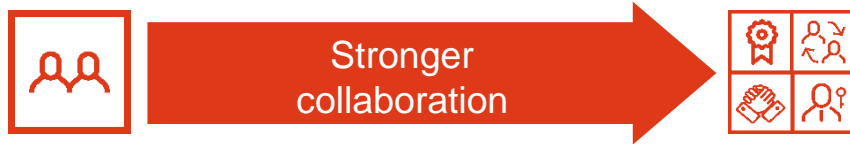


- Security Champions ensure that security aspects are addressed throughout development and implementation
- Automated security checks become fix components
- Vulnerabilities and bugs are identified timely
- Periodic security verifications and spot checks still take place

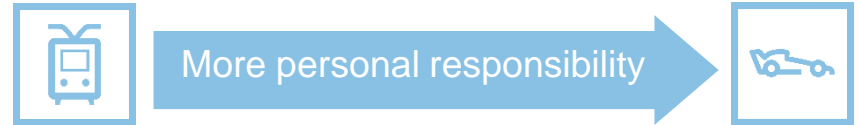
# DevOps and Security - what changes?



With the convergence of “Dev” and “Ops” disciplines, security topics need to shift left and be tackled early and on an enterprise level.



Next to periodical audits and assistance in security of critical topics, Security is supporting the transformation with trainings, coaches and building a security aware community and culture.



Personal responsibility regarding security and compliance increases with agility and autonomy. It is like driving a car, if you want to drive your own car you need to train your skills and prove them daily.



To increase agility, Security becomes an integral part in the development- and deployment-environments. Security offers capabilities and provides support in the integration of these.

# Project Athena



**Greek goddess  
associated with**

**translates into**

Wisdom  
(Weisheit)

Security Awareness

Handicraft  
(Handwerk)

Security Skills

Warfare  
(Kriegskunst)

Practical application of  
security best practices

## Objectives

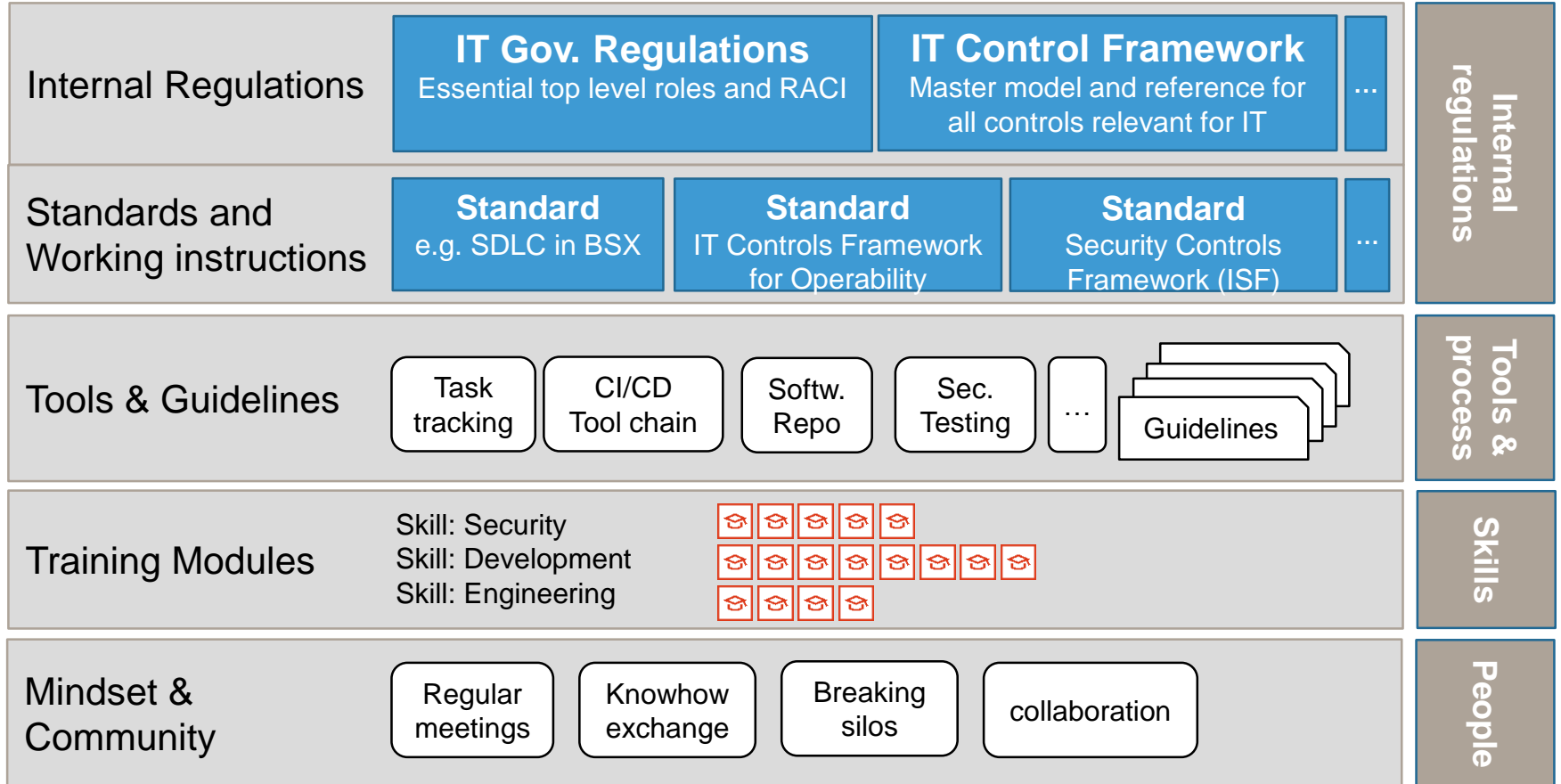
- Enhance security skills amongst developers and engineers
- Establish a proactive security mindset
- Management of security during project phase
- Ensure that security and privacy is built in by design and by default
- Lower amount of security findings from penetration and security verification exercises
- Ensure compliance requirements are adhered to

## Approach

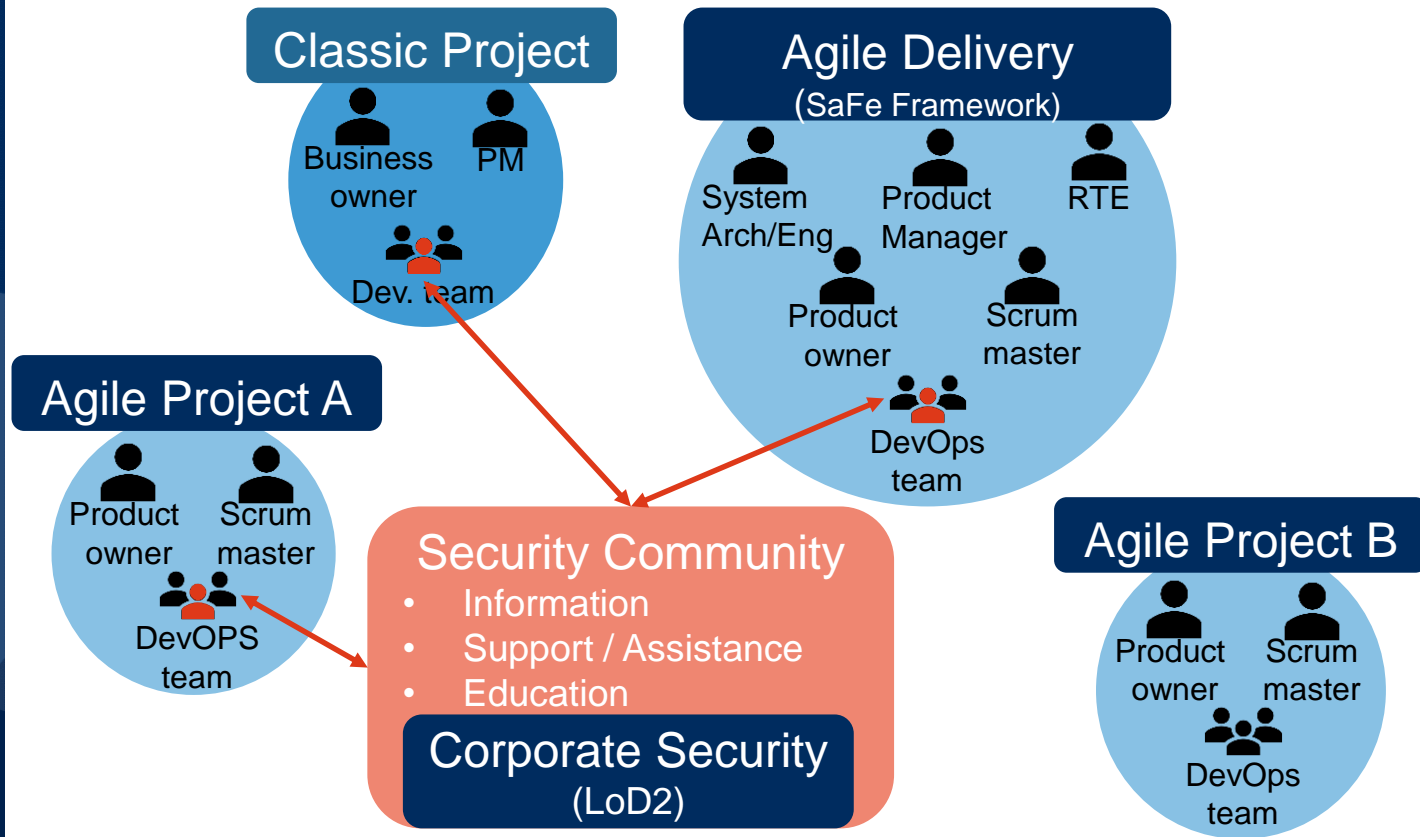
- Built a security community
- Define a new role “Security Champions” as standard project role
- Erect a security education path including trainings and courses
- Align with other initiatives focusing on Application Security



# What to consider



# Security Community



- Security Champions are assigned to projects based on their skills
- The Security community is used to exchange know-how and to cultivate contacts
- CorpSec actively participates and acts as supporting partner

# Thank you

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