

# Säkrare molnlösningar utan ett dedikerat säkerhetsteam

Vägen till utvecklardriven säkerhet

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### Whoami?

- > Software security coach @ Axis
- > Worked with security for almost 30 years except for two weeks









## **Team-centric approach**









### **Risk assessment**









### Threat modeling: setting a scope





#### Threat modeling: use-case based data flow diagrams





### Threat modeling: threats, countermeasures and verification











#### Static code analysis



#### gosec Golang security checker





# Software composition analysis







### **Security testing**





authorizer = auth.Authorizer(cert)

msg = "Cert revoked"
with pytest.raises(auth.InvalidCertificate, match=msg):
 authorizer.authorize()

#4 test_mtls_issue_cert_missing_key	470ms
#11 test_mtls_issue_cert_not_allowed_to_issue	974ms
#8 test_mtls_issue_cert_without_cert	263ms
#15 test_mtls_issue_oneline_csr	2ms





Till: O connect-bolbe

Α

Action required, the following config rule has turned non-compliant

ConfigRuleName: s3\_bucket\_ssl\_requests\_only ResourceType: AWS::S3::Bucket



### Security improvements identified by Axis teams







