



AWS
re:Invent

SEC 346 - R

Automating remediation of noncompliant configurations

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Agenda

1. RDK Demo
2. S3 SSL enforcement with AWS Config (managed AWS Config rule)
3. Enforce instance profile on EC2 (custom AWS Config rule)

If time allows:

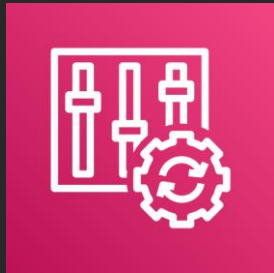
4. Enforce encrypted volumes on Amazon EC2
5. Enforce golden AMIs on EC2

RDK Demo Setup

<https://tinyurl.com/uppp9p4x>

RDK Demo

Managed rules with **AWS Config** rules



AWS Config
rules



Managed
rule

- Available*: 86 managed rules
- Flexible (*i.e., several compliance checks in 1 managed rule, using “input parameters”*)
- Configure remediation actions using **AWS Systems Manager automation documents**

Lab 1

Download Link

<https://tinyurl.com/s9fvlug>

Custom rules

- Is another type of AWS Config rule
- Provides **flexibility**
 - Call an AWS Lambda function
 - Include the **codified logic** to verify a configuration comply with the expectation
- Require **PutEvaluation API** to be understood by AWS Config rules

Download Link

<https://tinyurl.com/uedgusj>

Lab 2

Additional Labs (if time allows)

<https://tinyurl.com/w9phumf>

<https://tinyurl.com/rymoovl>

Thank you!



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