AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

STG313-R2

Configuring Amazon S3 security settings and access controls

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Agenda

Workshop overview

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Workshop overview

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Amazon S3 security and controls exercises

- Require HTTPS
- Require SSE-S3 encryption
- Block public ACLs using bucket policy
- Configure Amazon S3 Block Public Access
- Restrict access to an Amazon S3 VPC endpoint
- Use AWS Config to detect a public bucket
- Restrict access to an IP address
- Restrict access to an IP address and IAM permissions

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Amazon S3 security best practices

- (Account) block public access: enable
- (Bucket) default encryption: SSE-KMS
- By bucket policy, require TLS
- VPC endpoint: enable and require,
  with bucket policies limiting access
- Versioning solves inadvertent deletes
- CRR for regional resiliency
- MFA delete and object lock for permanence

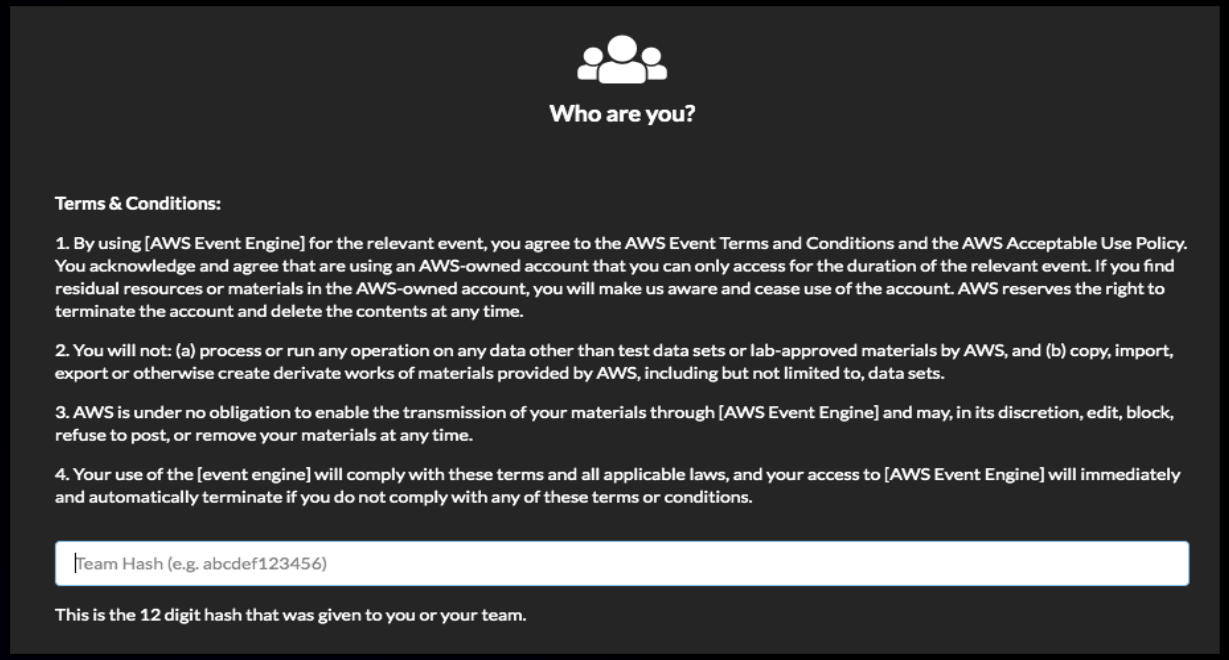
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AWS Event Engine

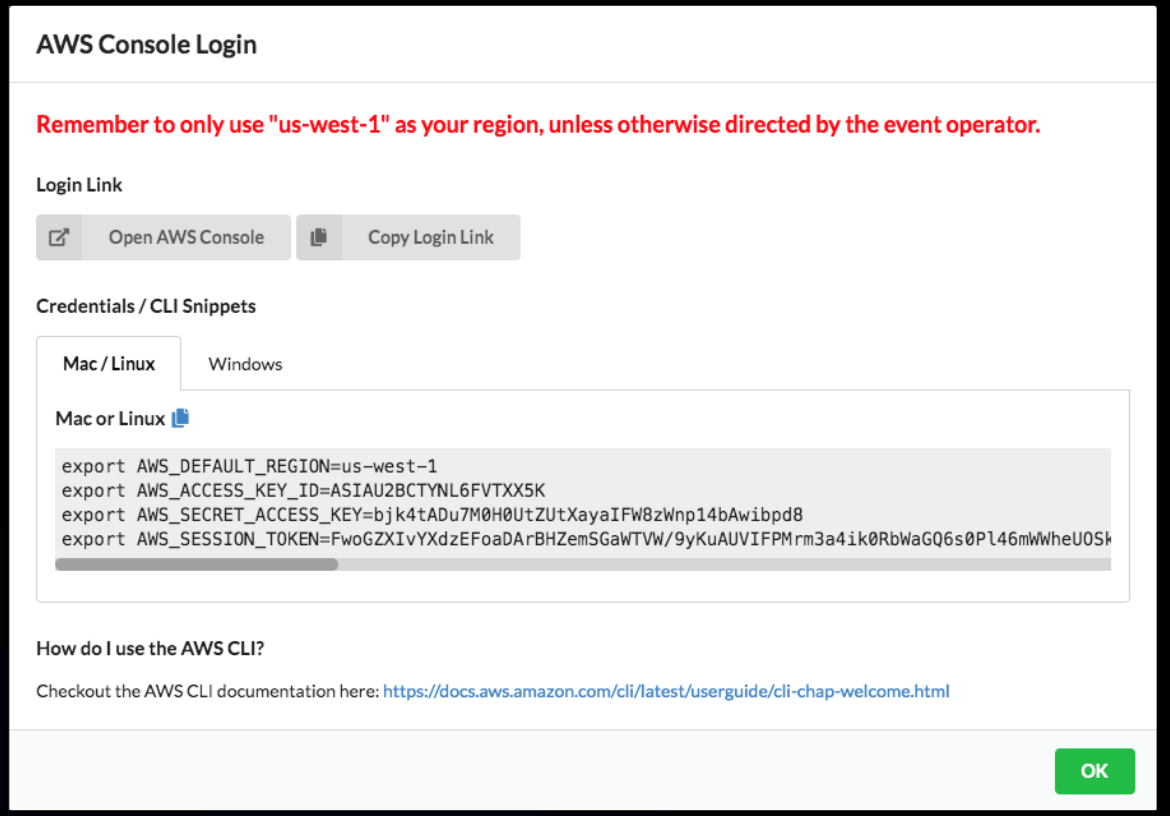
1. Go to the Event Engine website dashboard.eventengine.run
2. Enter 12-digit hash



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AWS Event Engine

1. Click Open AWS Console
2. Ignore credentials
3. Must use region us-west-2



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AWS Event Engine

Account access

dashboard.eventengine.run

Workshop instructions

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Thank you!

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Joseph Huff

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