AWS re:Invent

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

DOP403-R2

Maximize value with AWS CloudFormation advanced features

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Agenda

- About us
- Challenge
- Solution
- Wrap-up

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Brian Terry

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- Sr Developer Advocate, AWS CloudFormation
- Athens, GA
- Previously
  - Sr AWS Partner Solutions Architect, Segment Tech Lead CMT
  - DevOps Engineer, Seller Labs
  - Over 20 years experience as a developer
- Education
  - B.S. Computer Science, M.Ed. Instructional Design and Technology - University of Georgia
  - M.S. Computer Science – University of West Georgia
- (9) AWS Certifications



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Rahul Garg

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- Sr. Prod Manager – Technical, AWS CloudFormation
- Delhi, India
- Previously
  - Sr. Product Manager, Indus Valley Partners
  - Founder, food-tech e-commerce startup
  - Software Engineer, NatWest Group
  - 10+ years experience in technology
- Education
  - MBA, Analytics and Entrepreneurship, The Wharton School of the University of Pennsylvania
  - BE, Computer Engineering, Delhi Technological University



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Hypothetical

- Customers and users
  - Serve customers across the globe
  - Uses AWS to build applications
  - New innovative idea



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Product requirements

1. Create infrastructure and application
2. Ensure infrastructure is secure and compliant
3. Quickly provision the infrastructure
4. Provision across multiple AWS accounts and Regions



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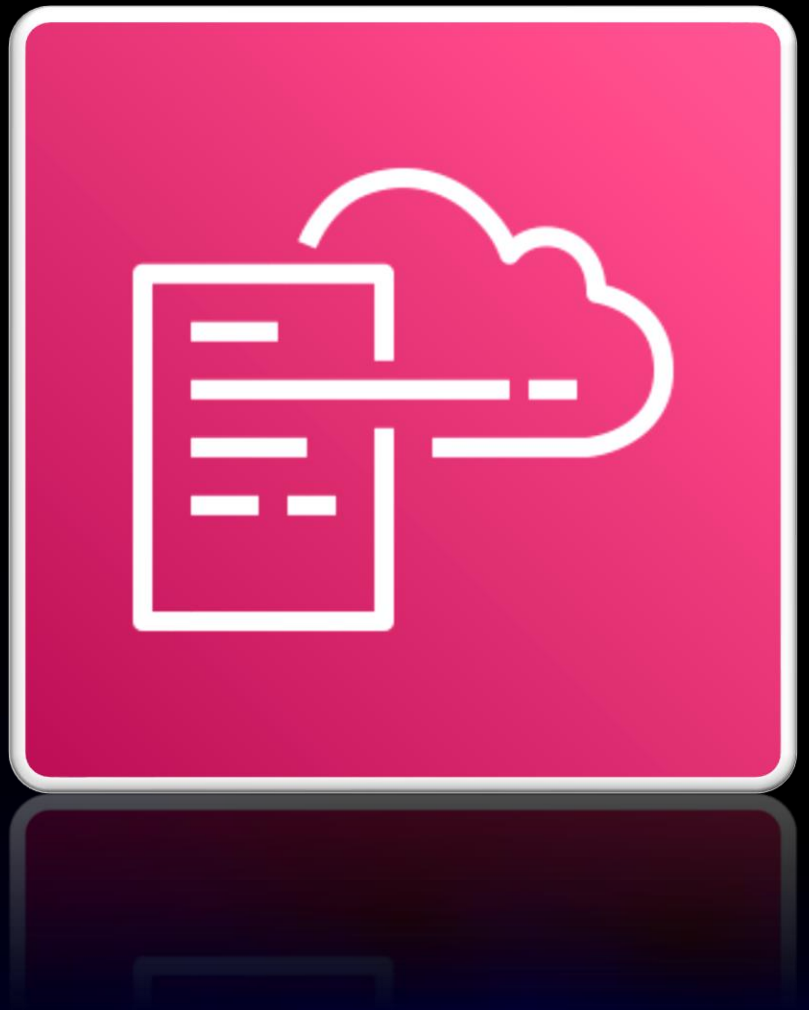
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Request #1

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Request 1: Create infrastructure and application

- AWS CloudFormation features covered
  - AWS CloudFormation coverage
  - AWS CloudFormation modules
  - AWS CloudFormation registry



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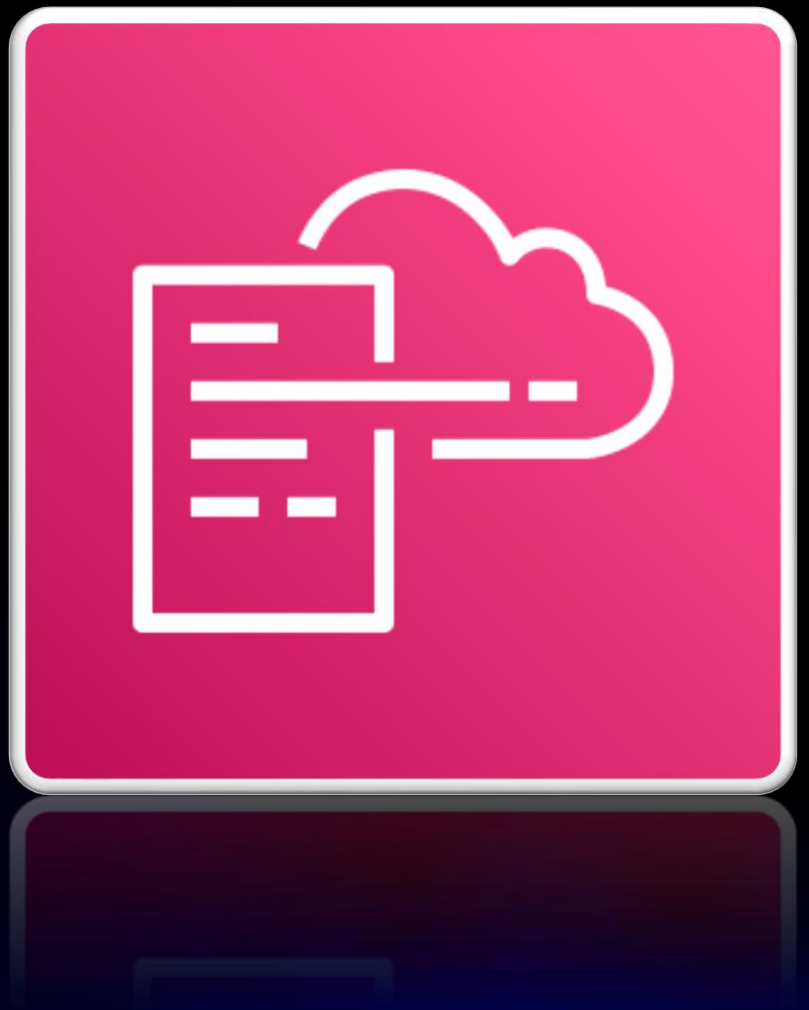
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Request #2

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Request 2: Ensure infrastructure is secure and compliant

- AWS CloudFormation features covered
  - AWS CloudFormation Linter
  - Guard



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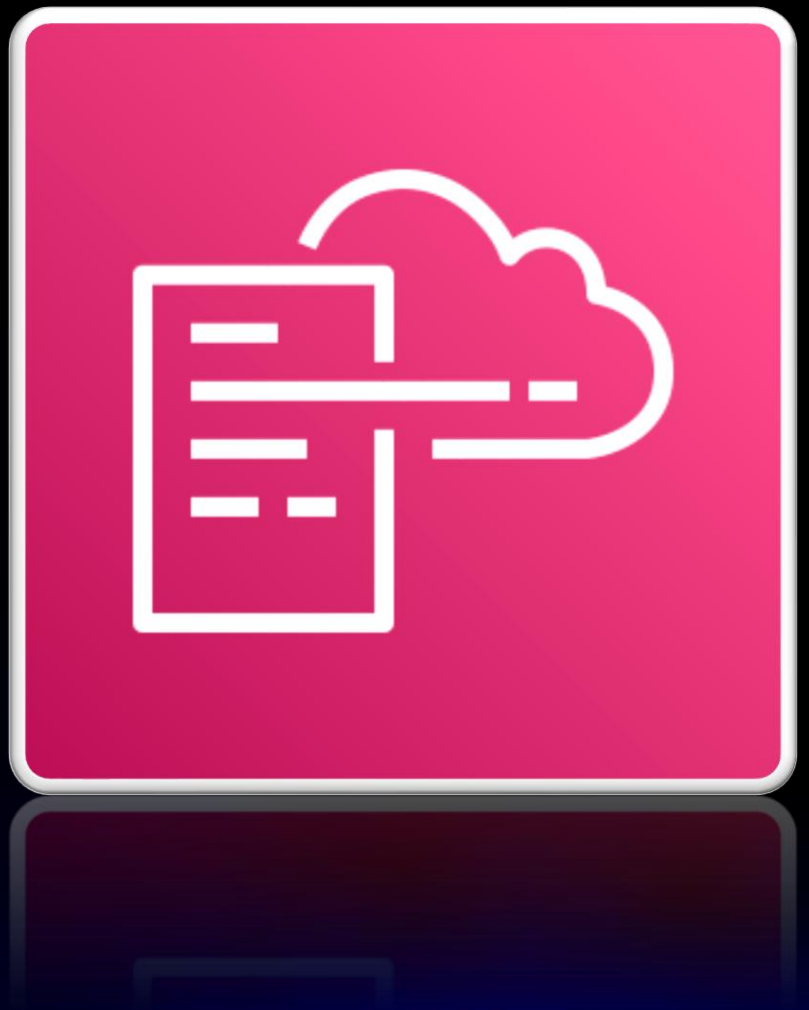
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Request #3

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Request 3: Quickly provision the infrastructure

- AWS CloudFormation features covered
  - Disable rollback



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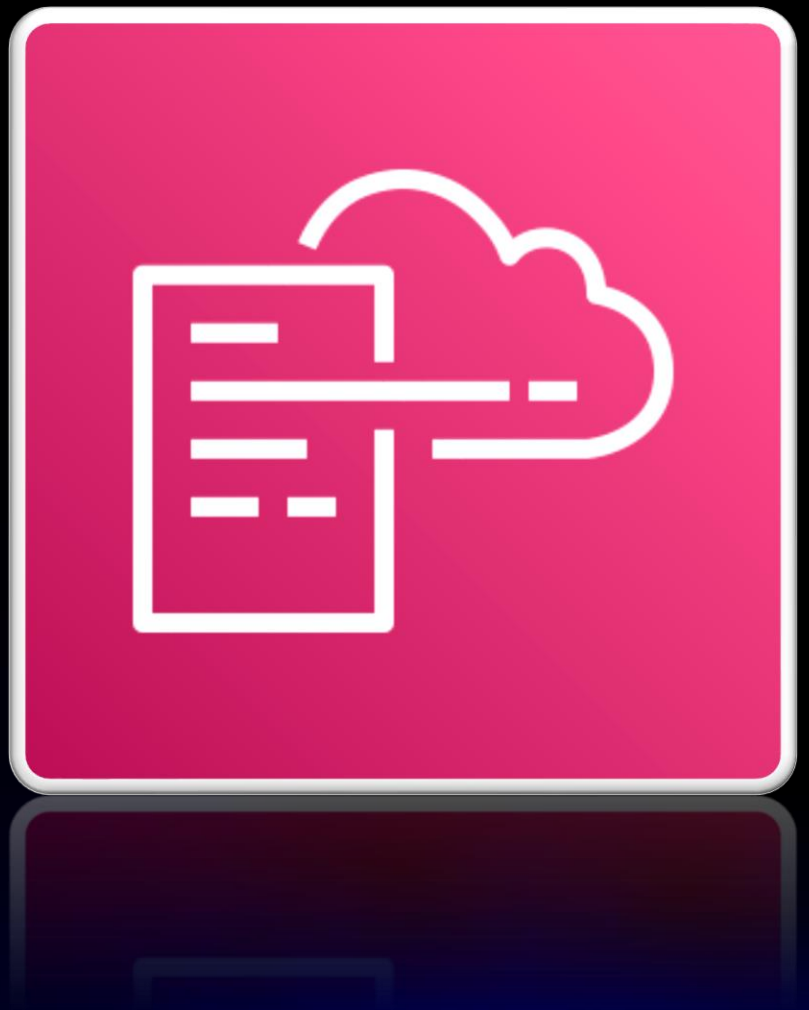
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Request #4

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Request 4: Provision across multiple AWS accounts and Regions

- AWS CloudFormation feature covered
  - AWS CloudFormation StackSets



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Summary

- Create infrastructure and application
  - AWS CloudFormation coverage (link1 and link2)
  - AWS CloudFormation modules (link)
  - AWS CloudFormation registry (link)
- Ensure infrastructure is secure and compliant
  - AWS CloudFormation Linter (link)
  - Guard (link)
- Quickly provision the infrastructure
  - Disable rollback (link)
- Provision across multiple AWS accounts and Regions
  - AWS CloudFormation StackSets (link)



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Call to action

- Please complete the session survey

- Follow to stay up-to-date with AWS CloudFormation
  - Twitter: @AWSCloudFormer @ineedhelpbrian @rhugarg
  - GitHub: @AWS-CloudFormation

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Thank you!

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