# AWS re:Invent

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# Advanced deployment options at scale with Amazon QuickSight

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# Agenda

Amazon QuickSight deployment patterns

Multi-tenancy and user management in QuickSight

Automated CI/CD in QuickSight

Demo

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# Amazon QuickSight

Insights on demand



Auto scaling and serverless



Deeply integrated with AWS services



Embeddable




Low cost



aws

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# Amazon QuickSight deployment architectures

- Two types of deployment

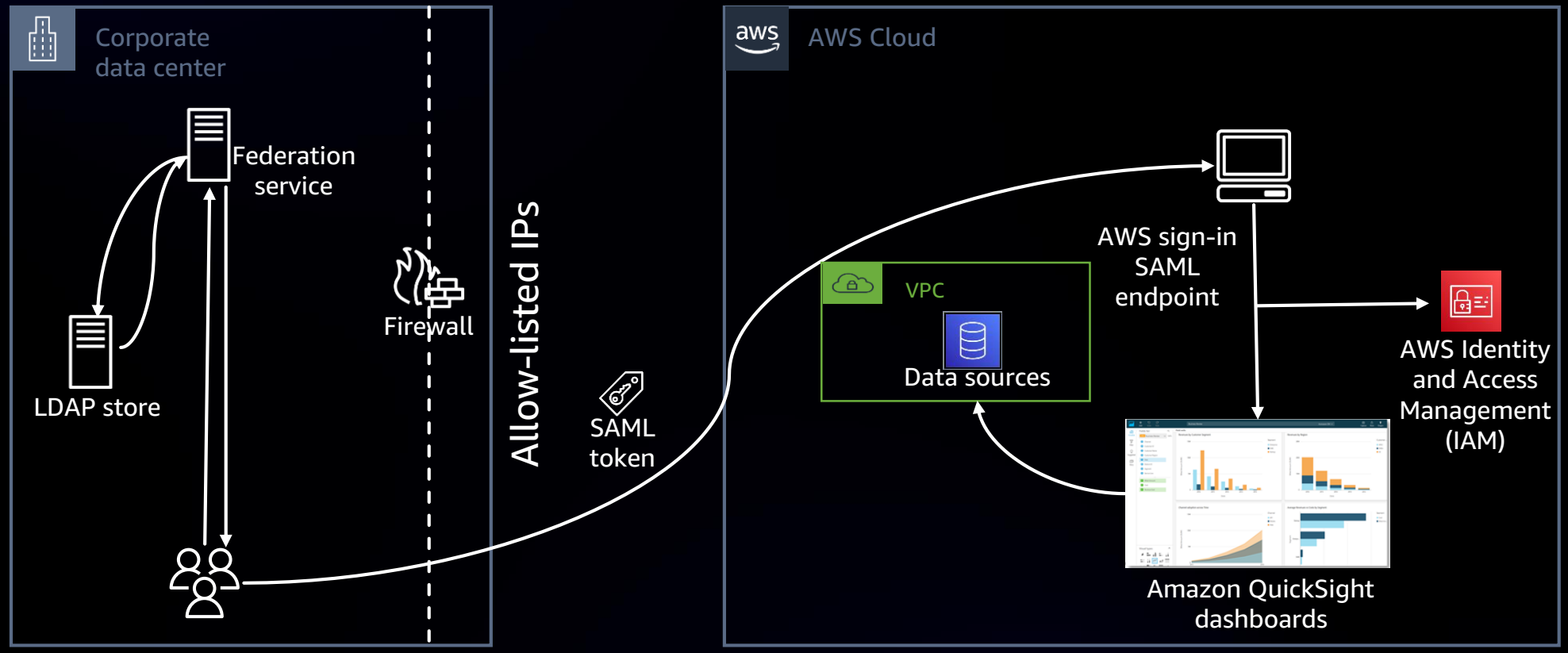
  Users directly accessing QuickSight console

  Embedding in a web application

- Both cases allow SSO with customers SAML compatible directories
- Allow-listing the domains is needed to prevent unauthorized embedding

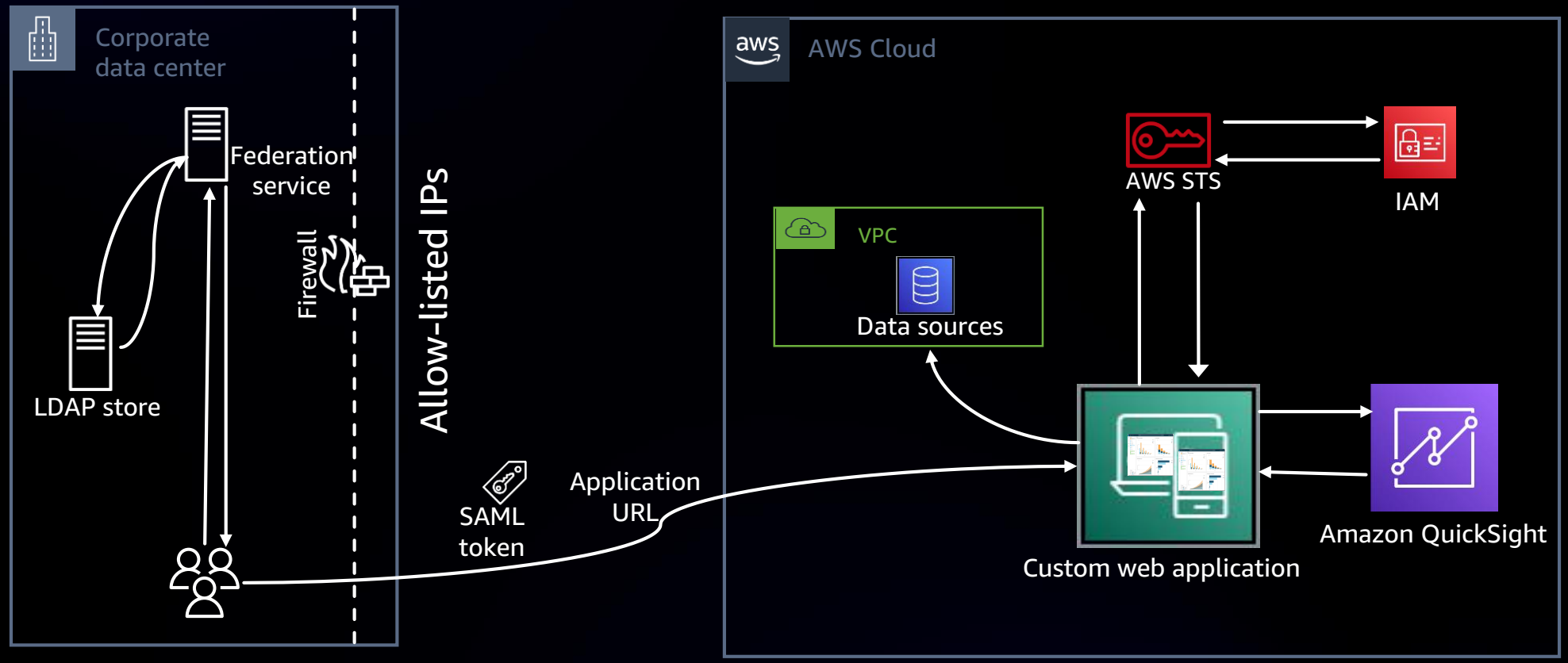
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# Deployment architecture – Direct access



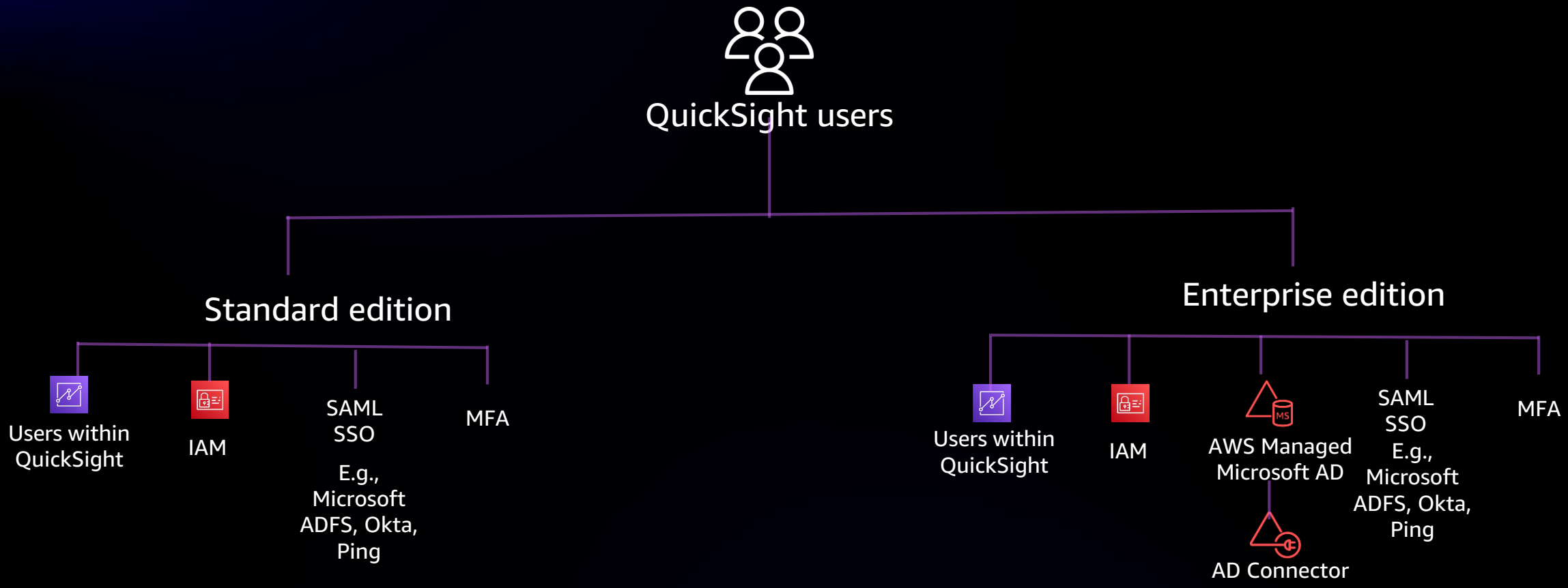

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# Deployment architecture – Embedded URL



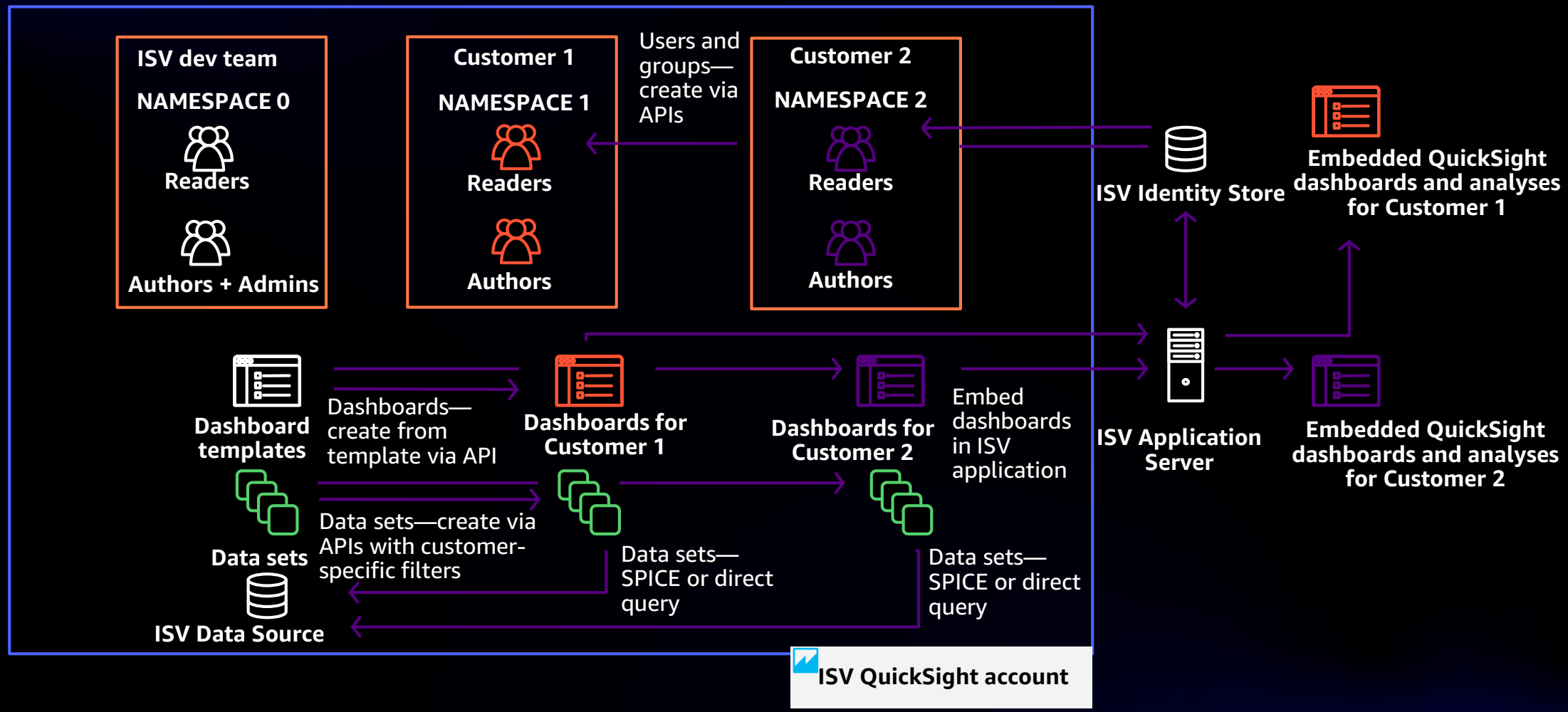

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# QuickSight user management




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# Multi-tenancy with namespaces




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# Amazon QuickSight objects



QuickSight users



Analysis



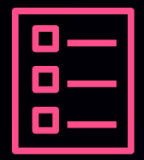
Data source



Dashboard



Dataset



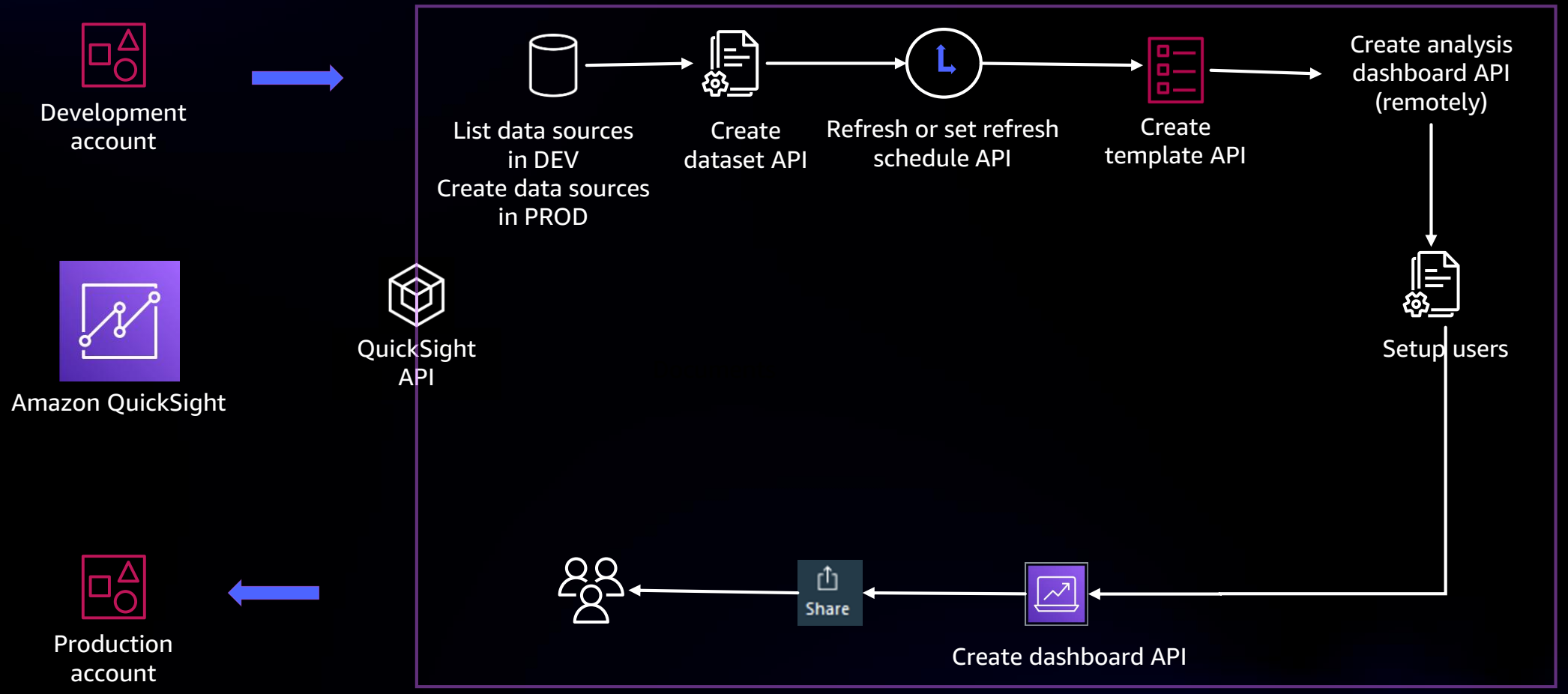
Template

# Amazon QuickSight automation

- QuickSight API
- QuickSight CLI
- AWS SDK
- AWS Lambda
- AWS CloudFormation/CDK

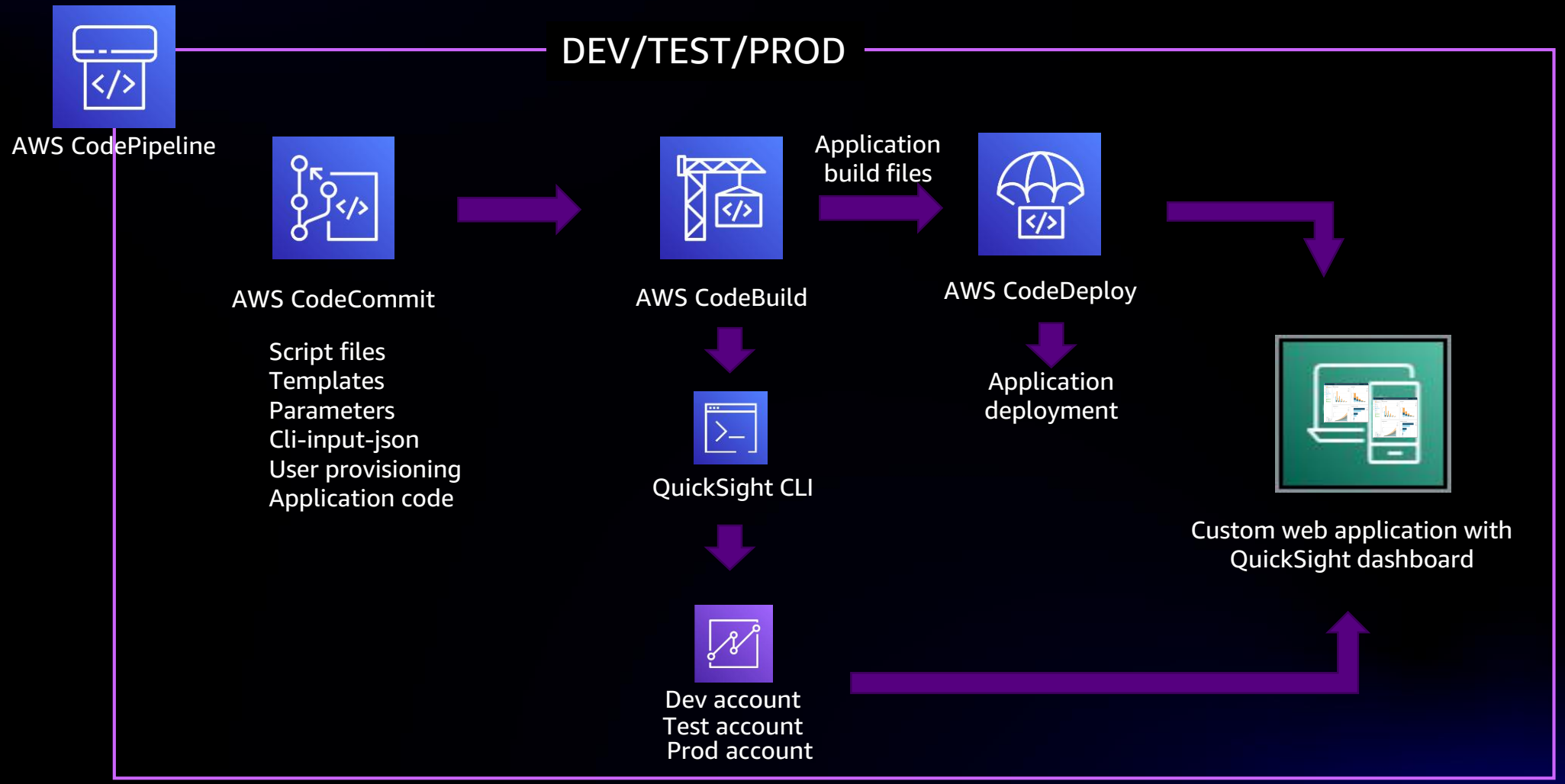
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# QuickSight content migration




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# Automated CI/CD – Embedded QuickSight URL




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# Thank you!

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