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Our Deployment Pipelines

- Automated Manifestation of your process for getting software from version control into the hands of customers
- They key to having an agile development team
- 16 Deployment Pipelines
- 2 AWS Regions (ap-southeast-2 and us-west-2)
- 3 Environments (Dev, Staging, Production)
- Total of 96 Deployment Pipelines

Name	Created	ı
admin-dashboard	Jul 12, 2017	\
apps-api	Jul 12, 2017	\
core-command-api	Jul 12, 2017	\
core-query-api	Jul 12, 2017	\
dashboard	Jul 13, 2017	\
dashboard-api	Jul 12, 2017	\
dashboard-beta	Aug 16, 2017	\
db-manager	Jul 12, 2017	\
public-signup	Jul 12, 2017	\
reporting-api	Jul 12, 2017	\
sls-admin-api	Jul 12, 2017	\
sls-auth	Jul 12, 2017	\
sls-core-api	Jul 13, 2017	\
sls-ops	Sep 5, 2017	\
sls-services	Jul 12, 2017	\
sls-signup-api	Jul 12, 2017	,

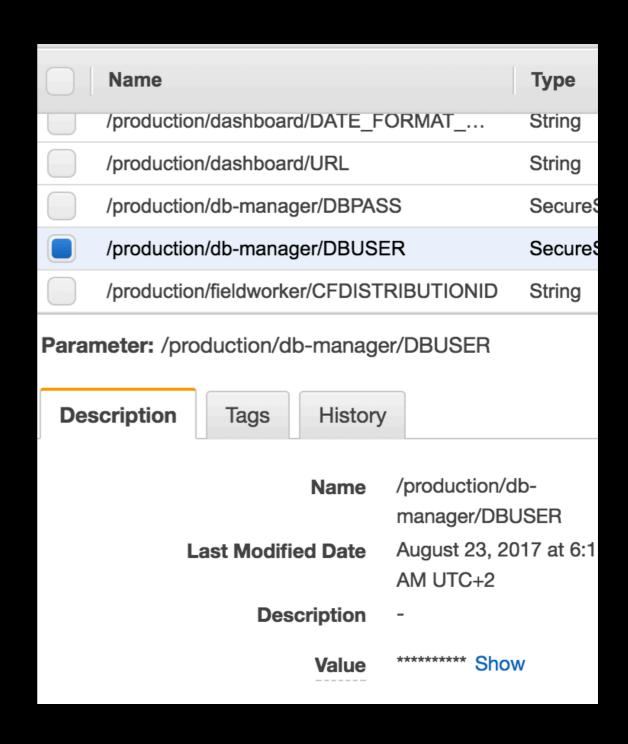
The Challenges

- We used Codeship
- 2 concurrent builds \$100 per month
- Needed 4 concurrent builds -\$300 per month
- Configuration management wasn't secure
- Managing configuration across multiple projects

Configure Your Environm Working with environment variables **Environment Variables** RDS_PORT AWS_KEY AWS_SECRET

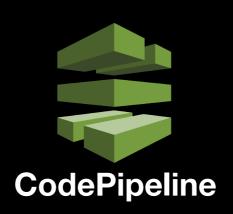
AWS - Parameter Store

- Version-controlled parameter store with audit trail
- Secured with AWS KMS
- Accessible via AWS CLI
- Free!



AWS - CodePipeline, CodeBuild, CodeDeploy!

- Secure configuration within AWS
- Unlimited concurrency
- Low cost \$24 per month!
- Serverless!





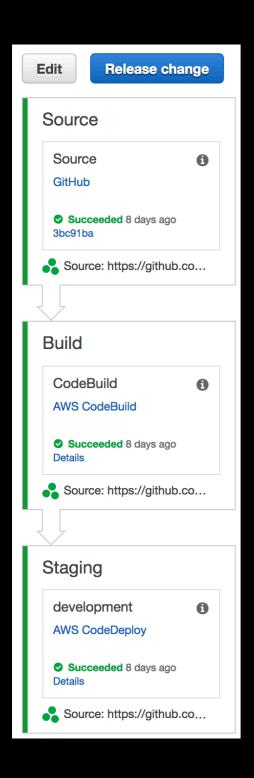


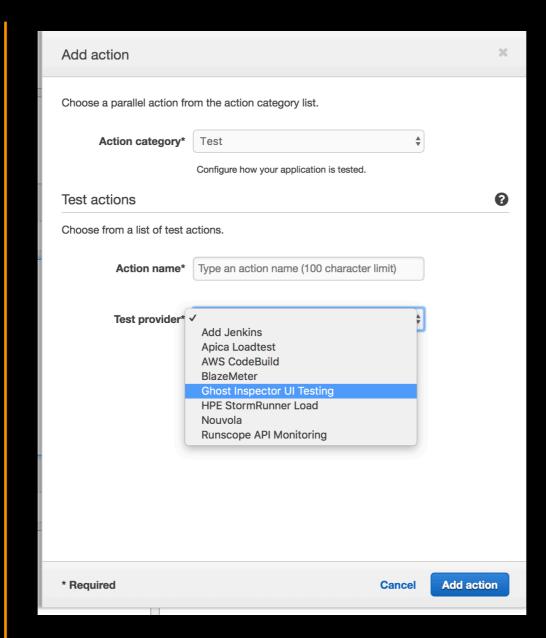


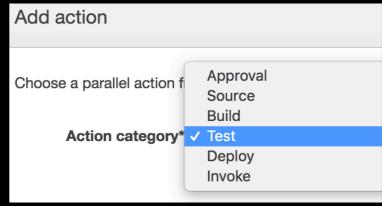




AWS CodePipeline



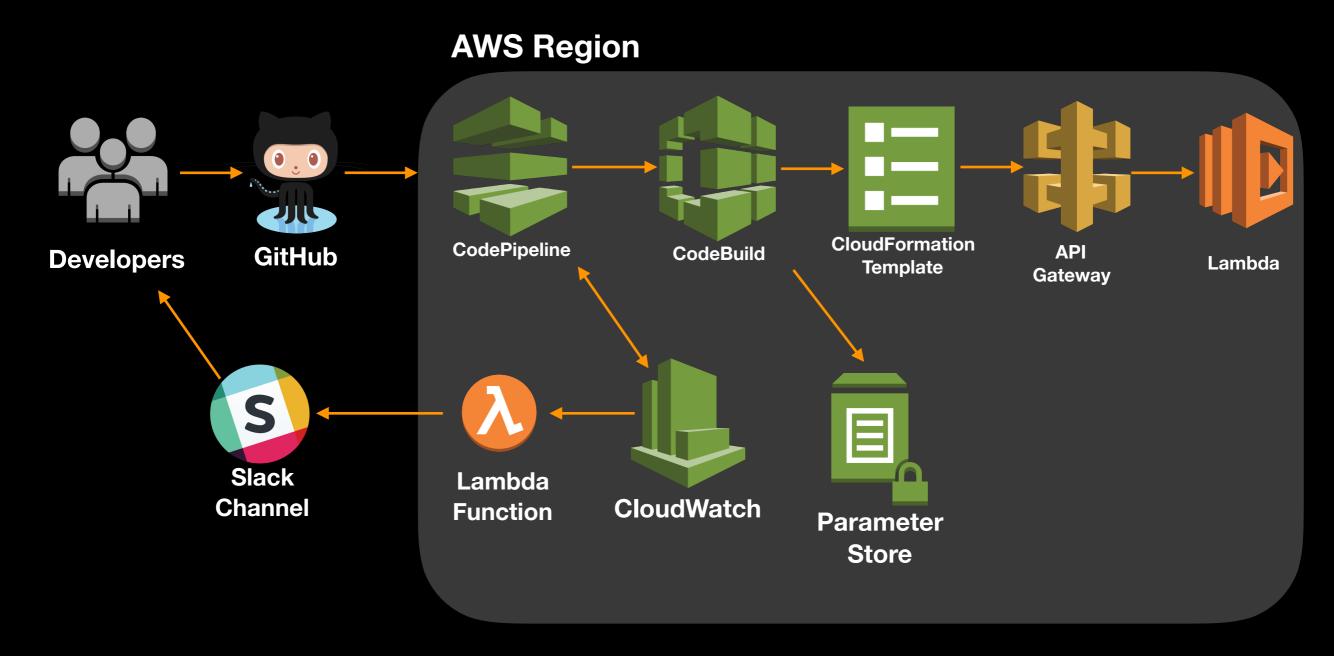




Architecture Diagram EC2 Auto Scaling Group

AWS Region 坝 **AutoScaling** CodeDeploy CodePipeline CodeBuild **GitHub Developers** Group Slack Lambda **CloudWatch** Channel **Function Parameter Store**

Architecture Diagram Serverless



Thank You

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