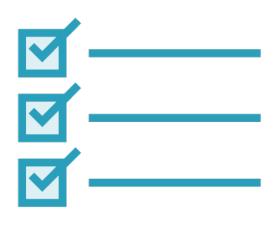
# Creating a Simple Monitored Queue with SQS



Thomas Compagno
VP OF TECHNOLOGY

@tomcompagno www.linkedin.com/in/tomcompagno

# Module Overview



What is SQS

How can we leverage Cloudwatch

**Demonstration** 

**Summary** 

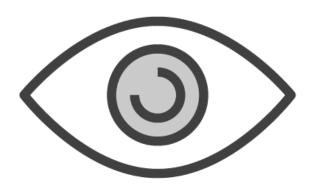


# This Module's Supporting Amazon Service





Push, Pop and Remove messages from a named queue



Cloudwatch

Monitor, Measure, Execute



## Demo



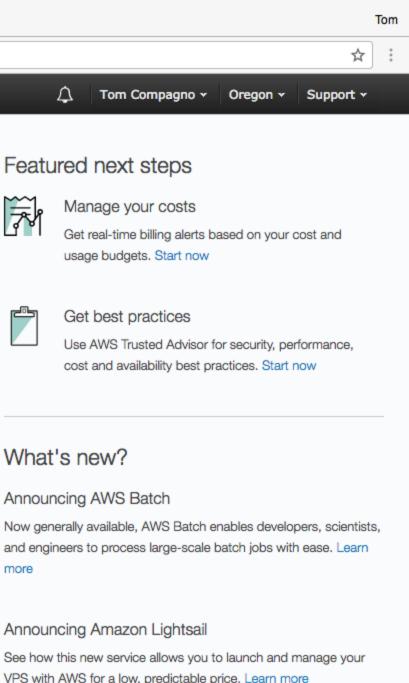
Build a queue using the console tools

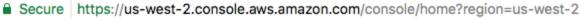
Setup a cloud watch event

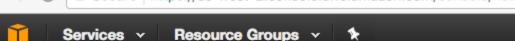
Finish our workflow Lambda configuration

Test and validate









## **AWS** services

Find a service by name (for example, EC2, S3, Elastic Beanstalk).

Recently visited services

AWS Management Console



IAM



Lambda



SQS

CloudWatch



Elastic Beanstalk

All services

#### Build a solution

Get started with simple wizards and automated workflows.



#### Launch a virtual machine

Host a static website

With S3, CloudFront, Route 53

With EC2

~1 minute

~5 minutes



#### Build a web app

With Elastic Beanstalk

~6 minutes



#### Deploy a serverless microservice

With Lambda, API Gateway ~2 minutes

Q



#### Create a backend for your mobile app

With Mobile Hub

~5 minutes



#### Register a domain

With Route 53

~3 minutes

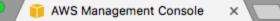
What's new?

See how this new service allows you to launch and manage your VPS with AWS for a low, predictable price. Learn more

Coo oll

more





Group

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■ Secure https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2



Support \*

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EC2

**EC2 Container Service** 

Lightsail 2

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Storage

**S3** 

**EFS** 

Glacier

Storage Gateway



**RDS** 

DynamoDB

Database

ElastiCache

Redshift



Migration

**Application Discovery Service** 

DMS

Server Migration

Snowball



**Developer Tools** 

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CodeBuild

CodeDeploy

CodePipeline

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**EMR** 

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Elasticsearch Service

Kinesis

Data Pipeline

QuickSight 2



Artificial Intelligence

Lex

Polly



**Business Productivity** 

WorkDoce

Step Functions

Mobile Services

Mobile Hub

Device Farm

Mobile Analytics

Cognito

**Pinpoint** 

SWF

Tom Compagno \*

**API Gateway** 

Elastic Transcoder

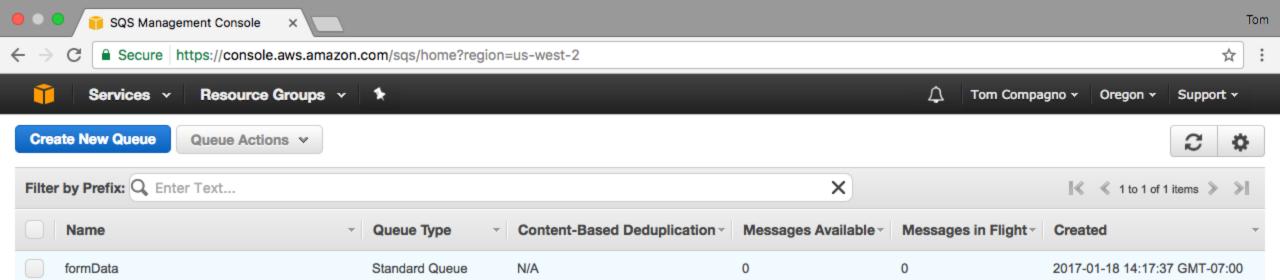
**Application Services** 

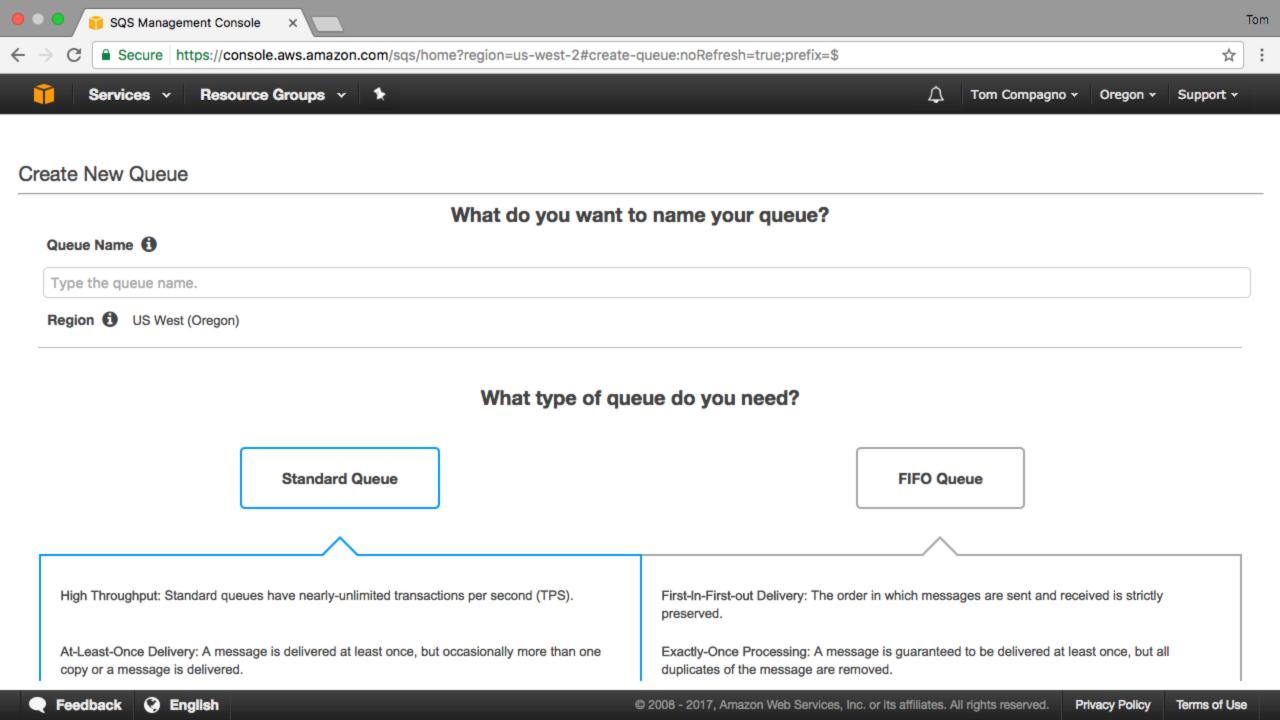
Messaging

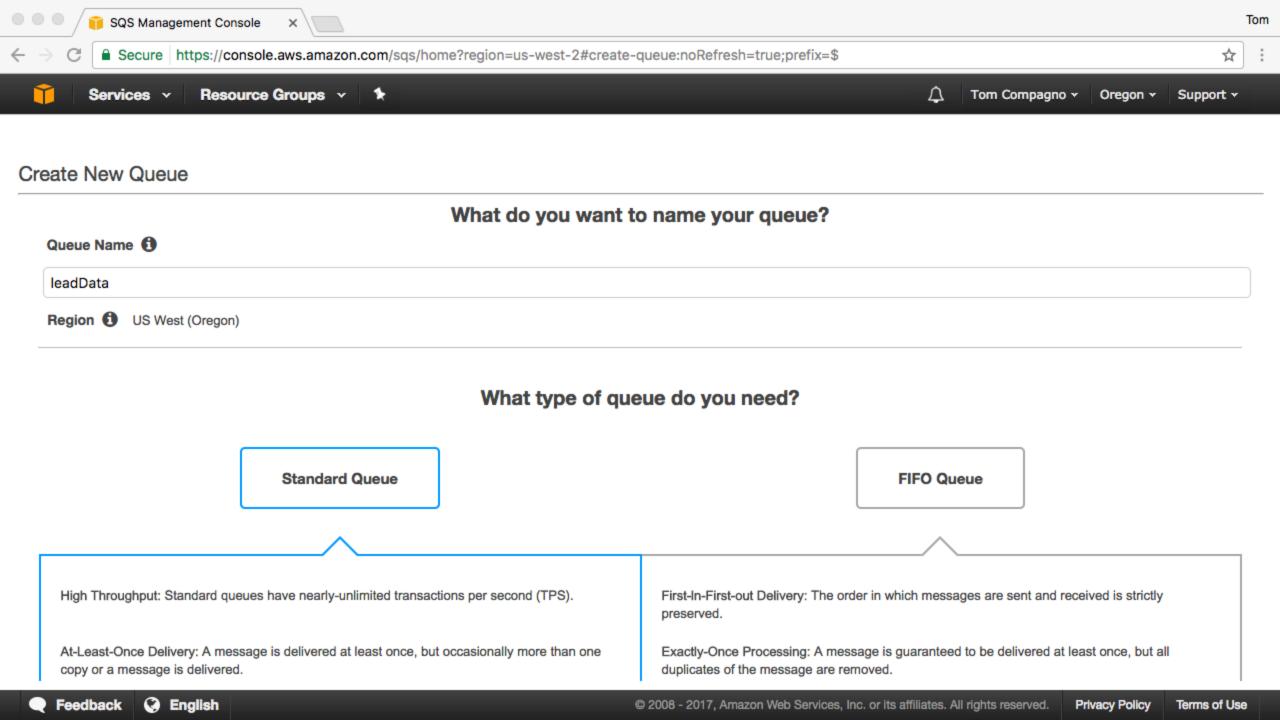
SQS

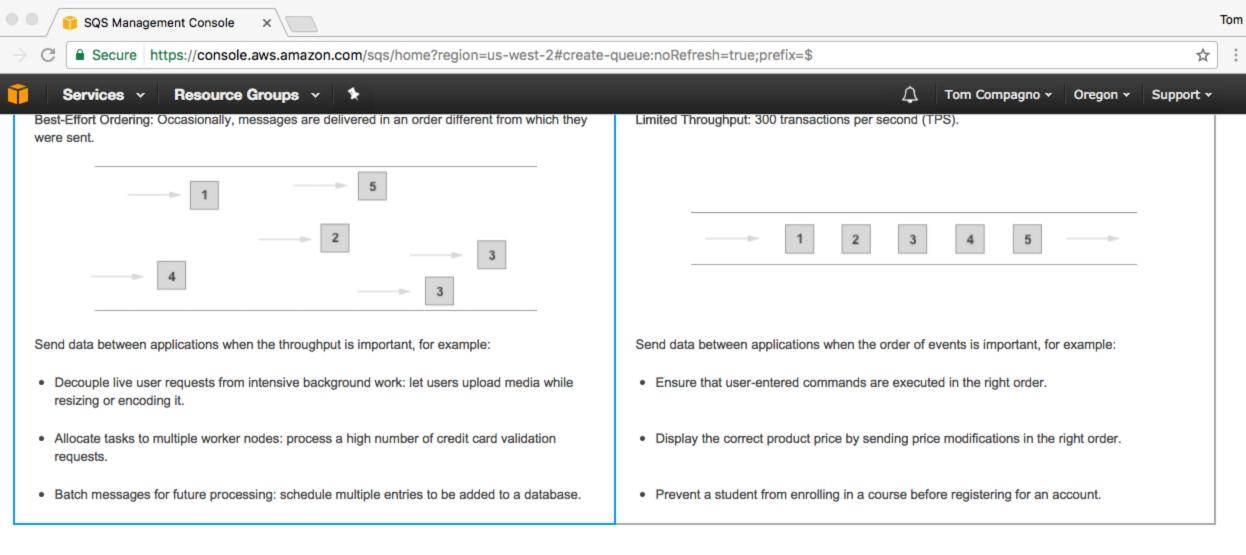
SNS

SES





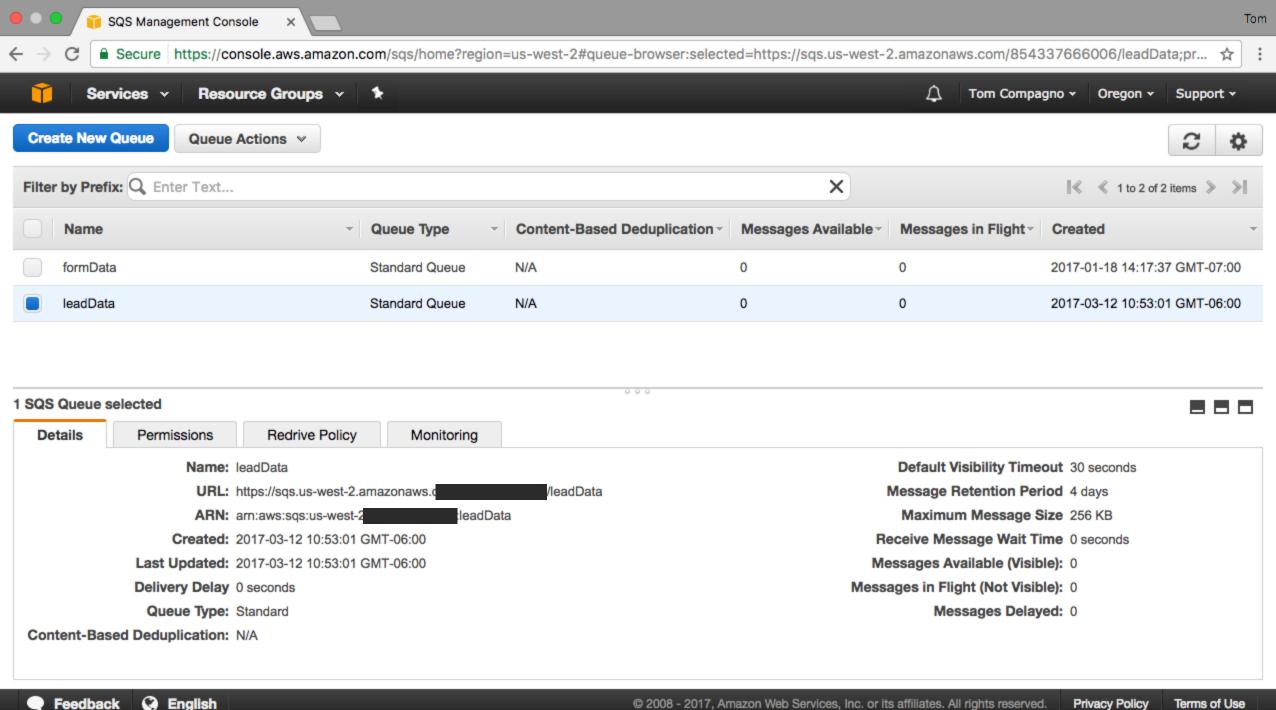




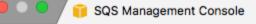
For more information, see the Amazon SQS FAQs and the Amazon SQS Developer Guide.

You are now ready to create your new queue. You can also configure parameters by clicking on the configure queue button.









Secure https://console.aws.amazon.com/sqs/home?region=us-west-2#queue-browser:selected=https://sqs.us-west-2.amazonaws.com/854337666006/leadData;pr...



#### Resource Groups v



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**EC2 Container Service** 

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Server Migration

**Application Discovery Service** 

CodeCommit

CodeBuild

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Snowball

DMS

CodeDeploy

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Kinesis

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CloudSearch

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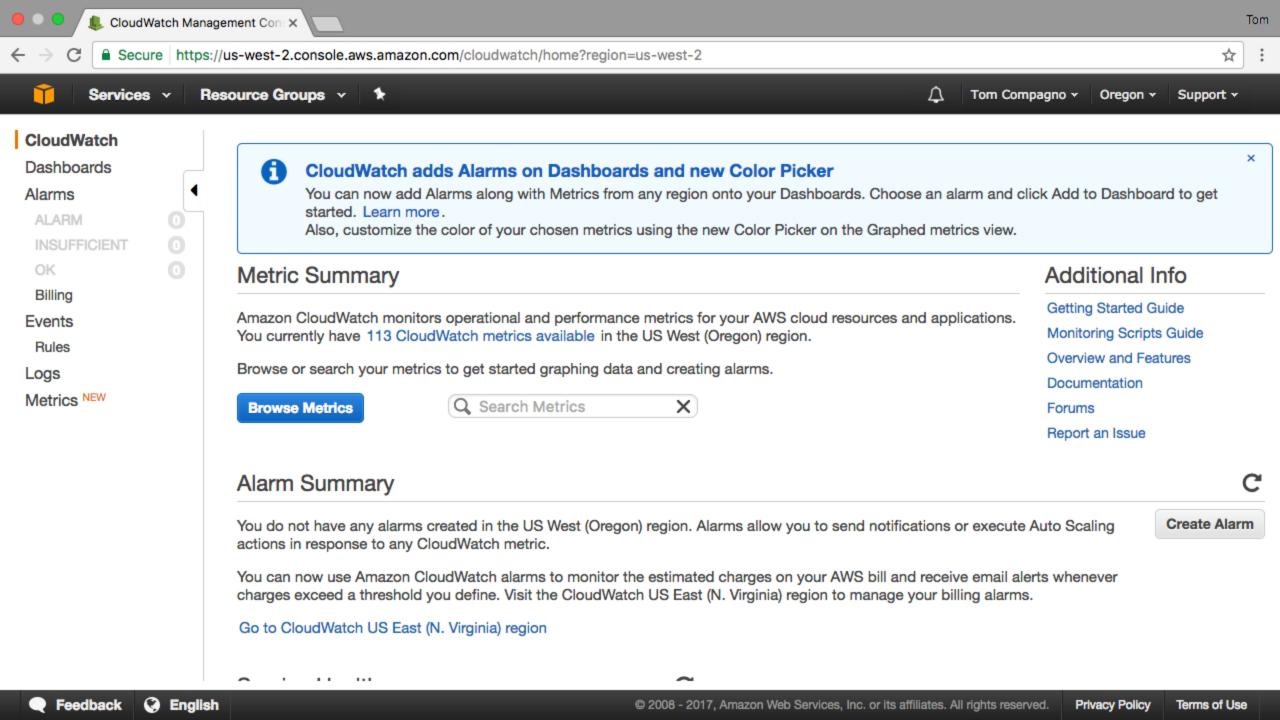
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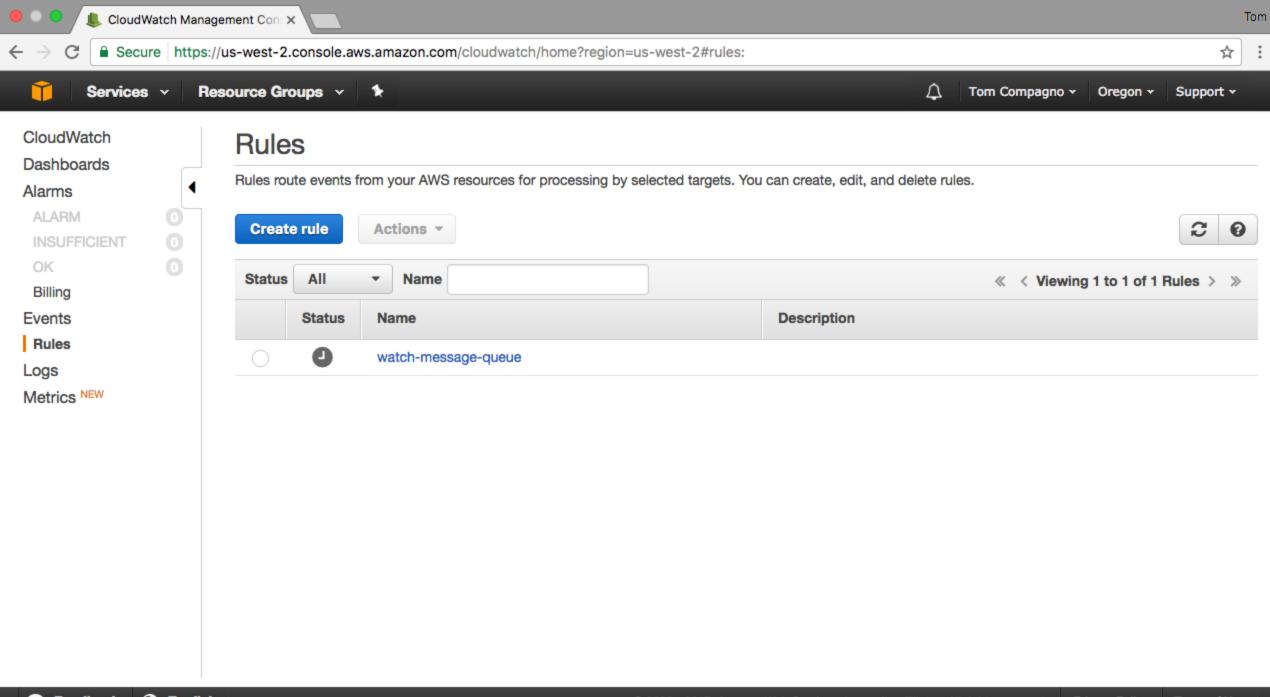
SES

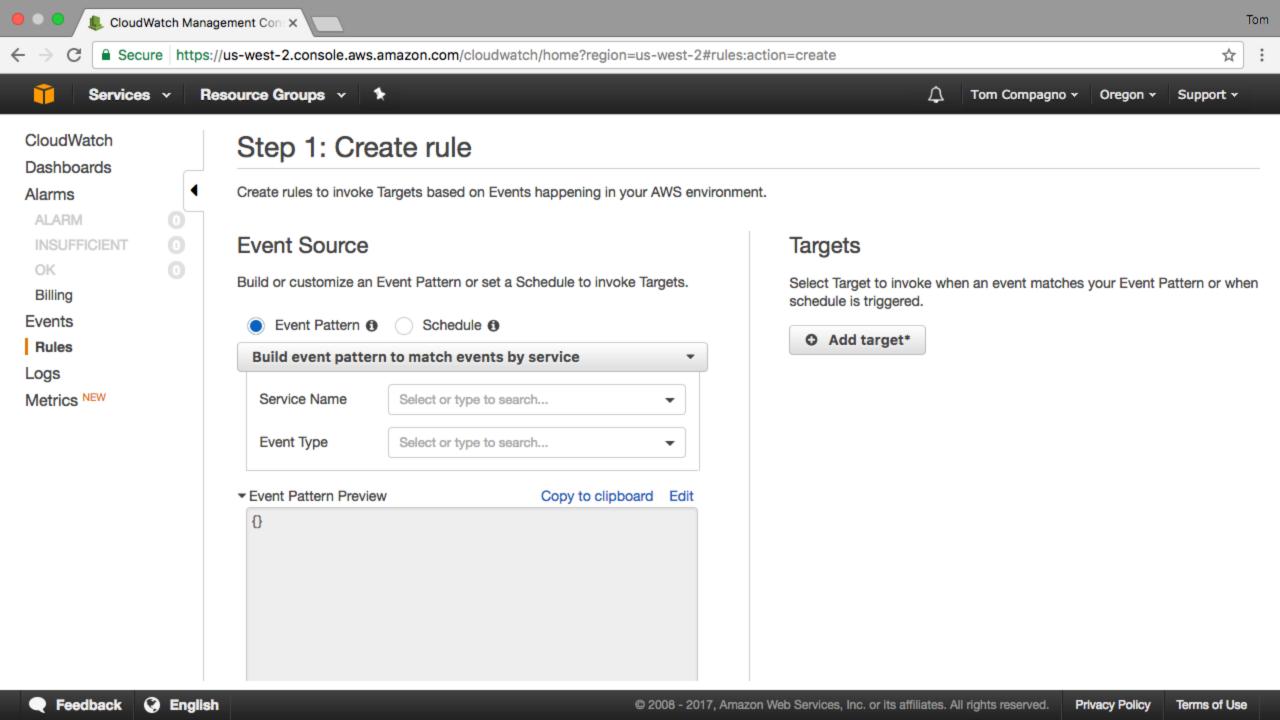


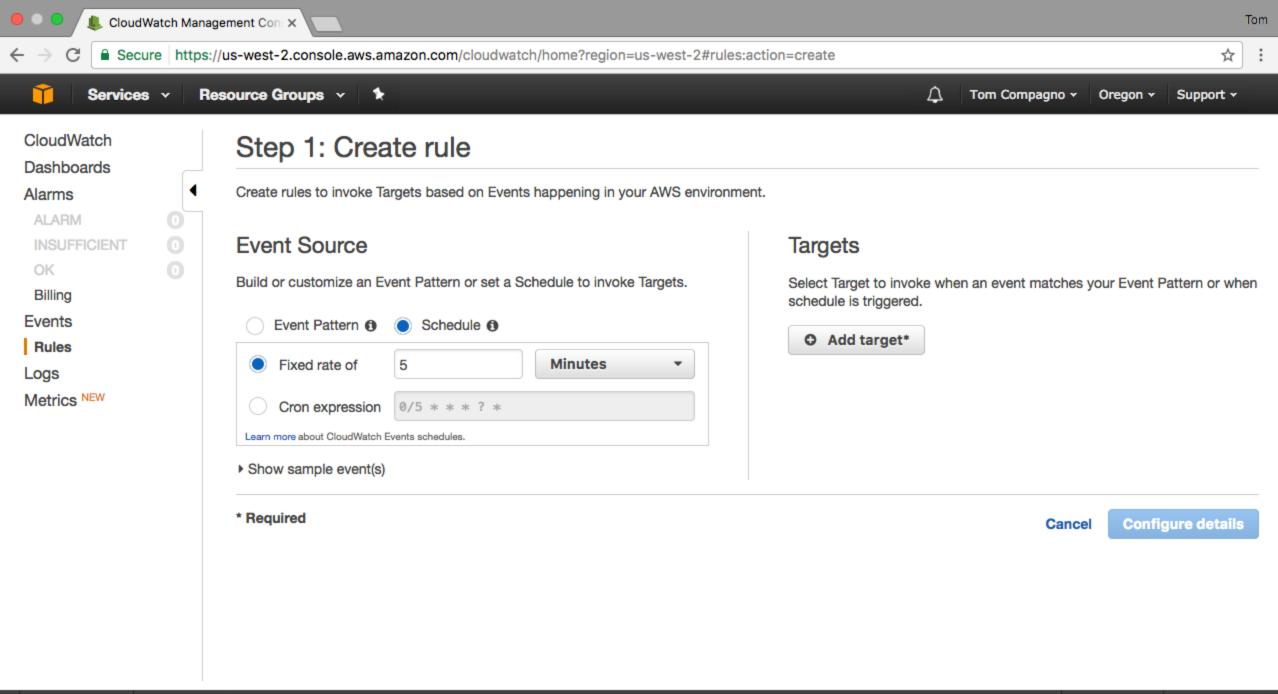
## **Business Productivity**

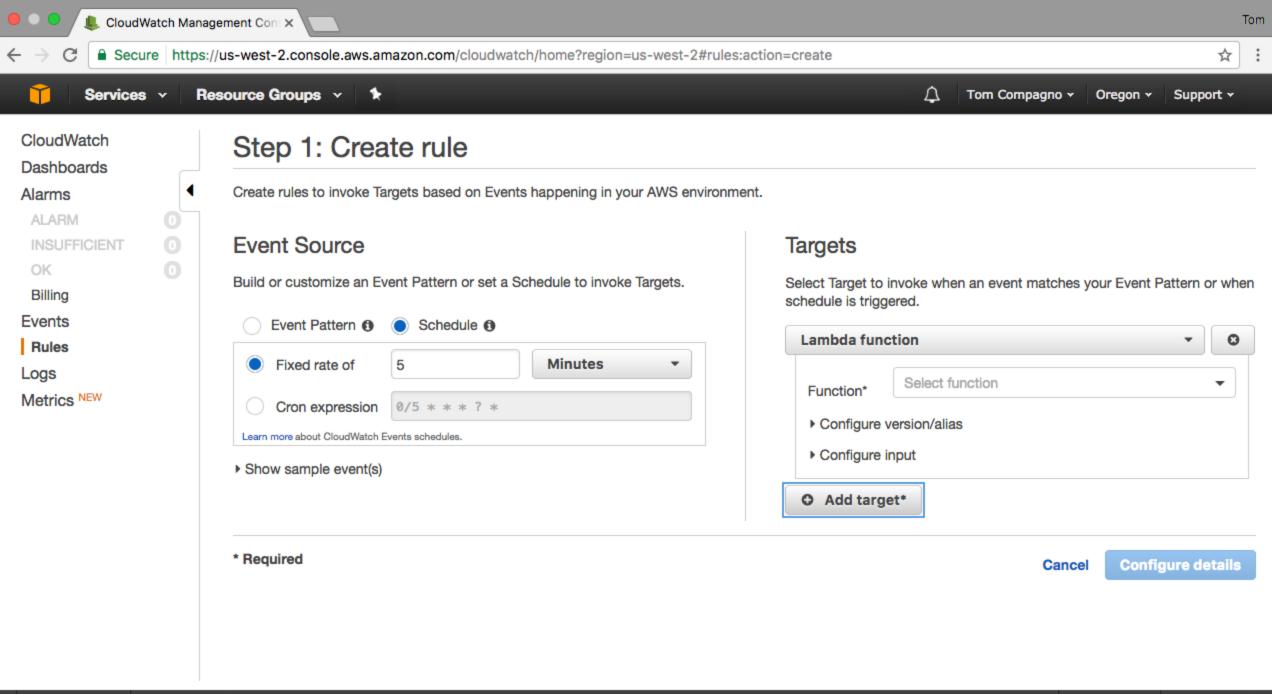
WorkDoce



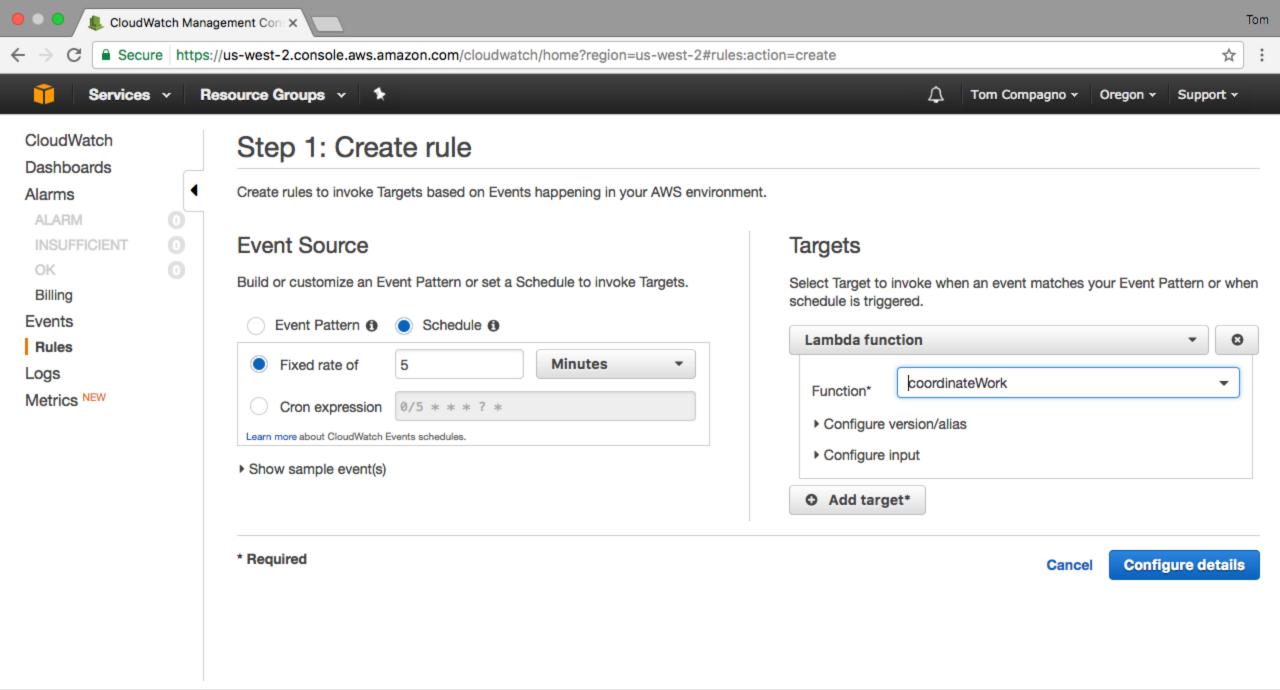


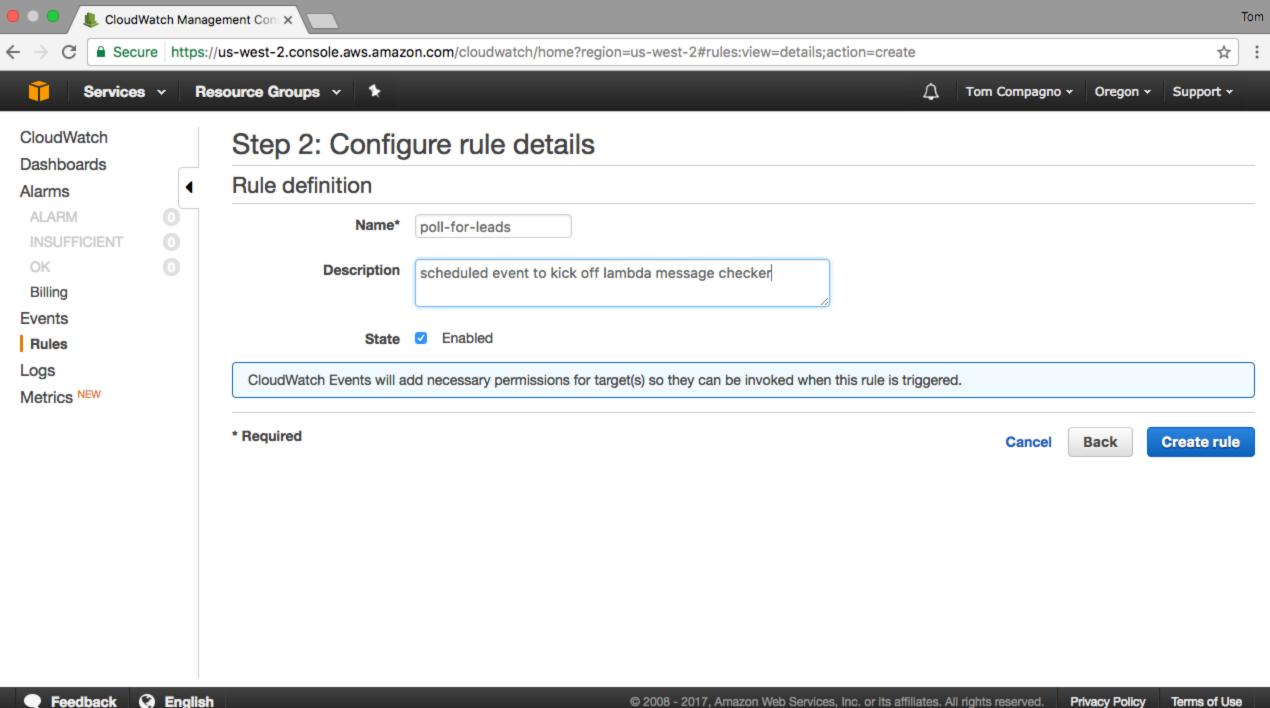


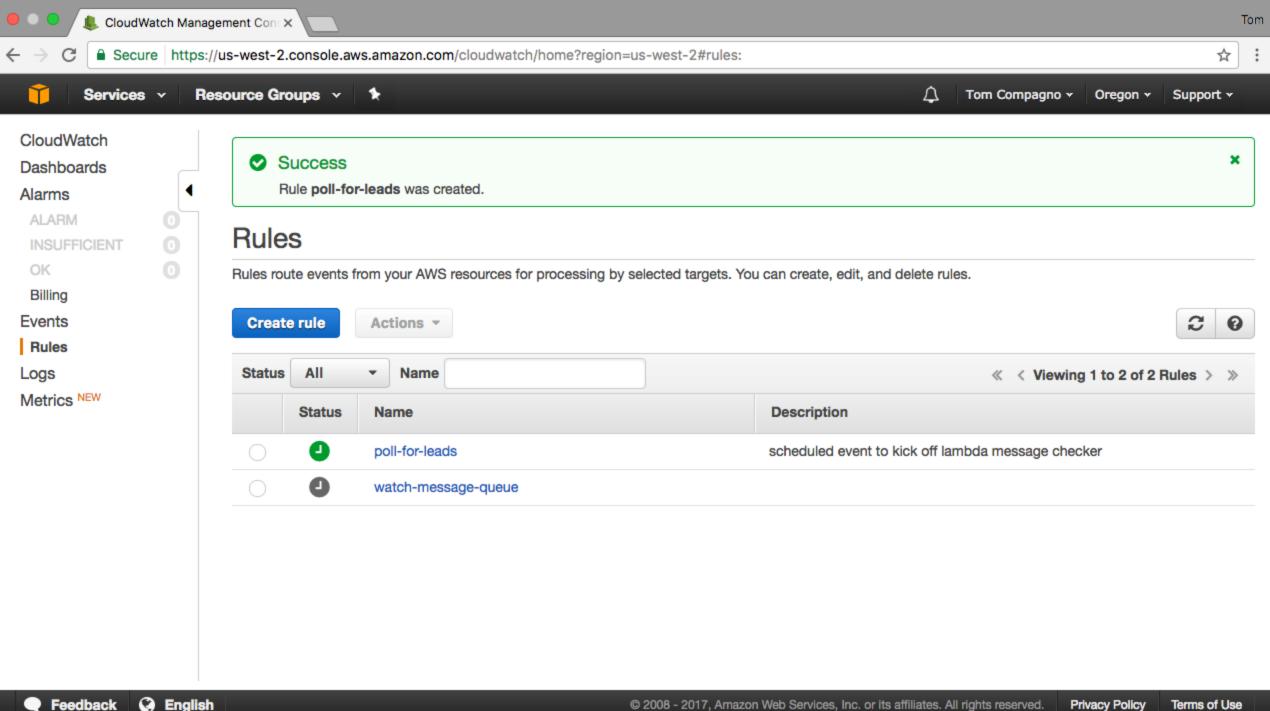




English

















Secure https://us-west-2.console.aws.amazon.com/cloudwatch/home?region=us-west-2#rules:



Support \*

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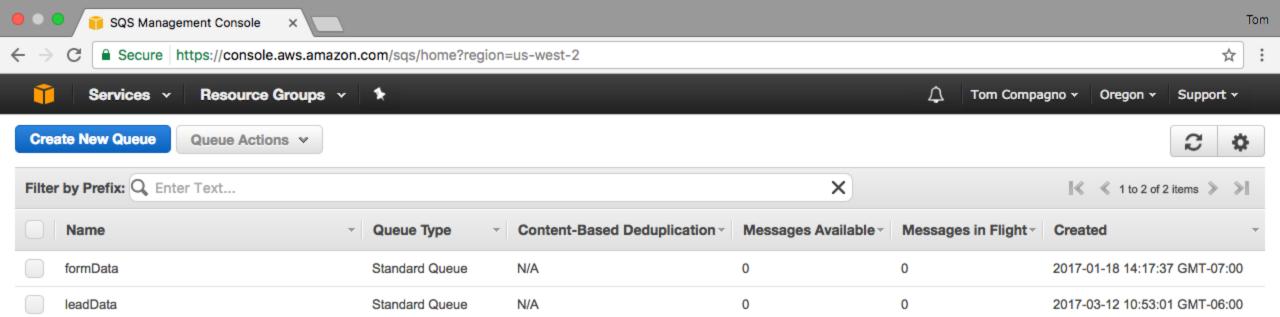
#### Artificial Intelligence

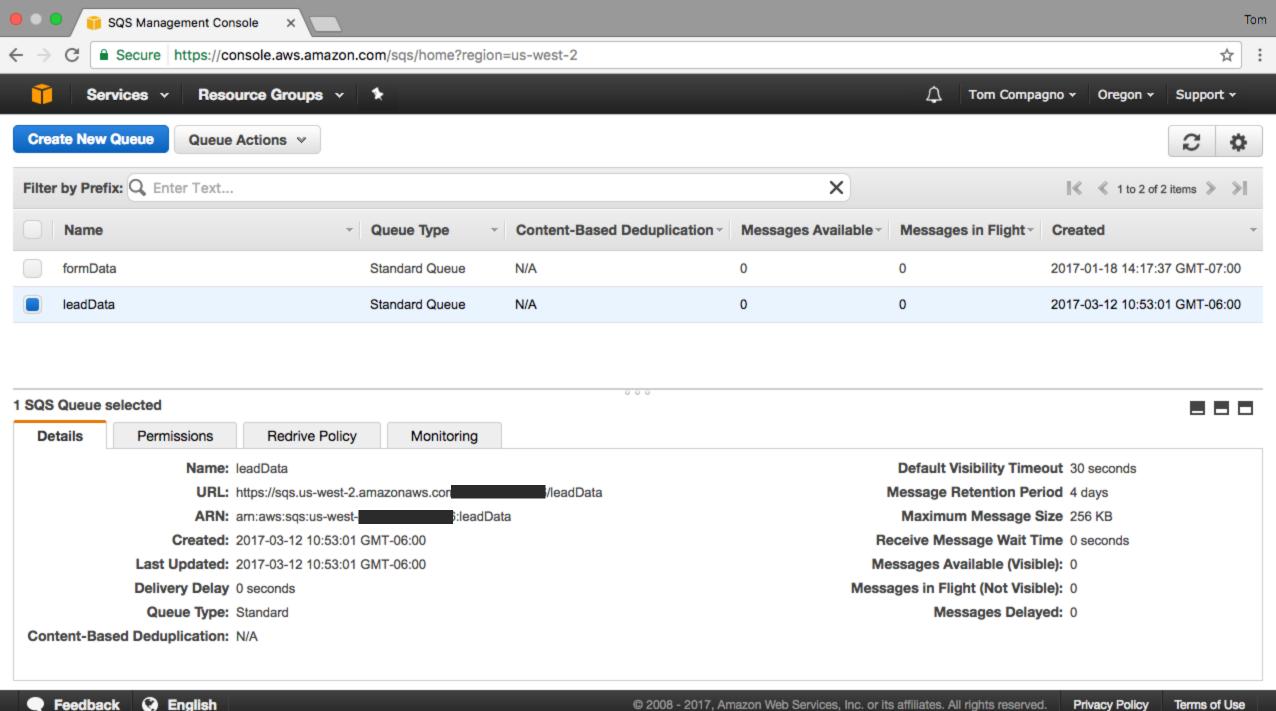
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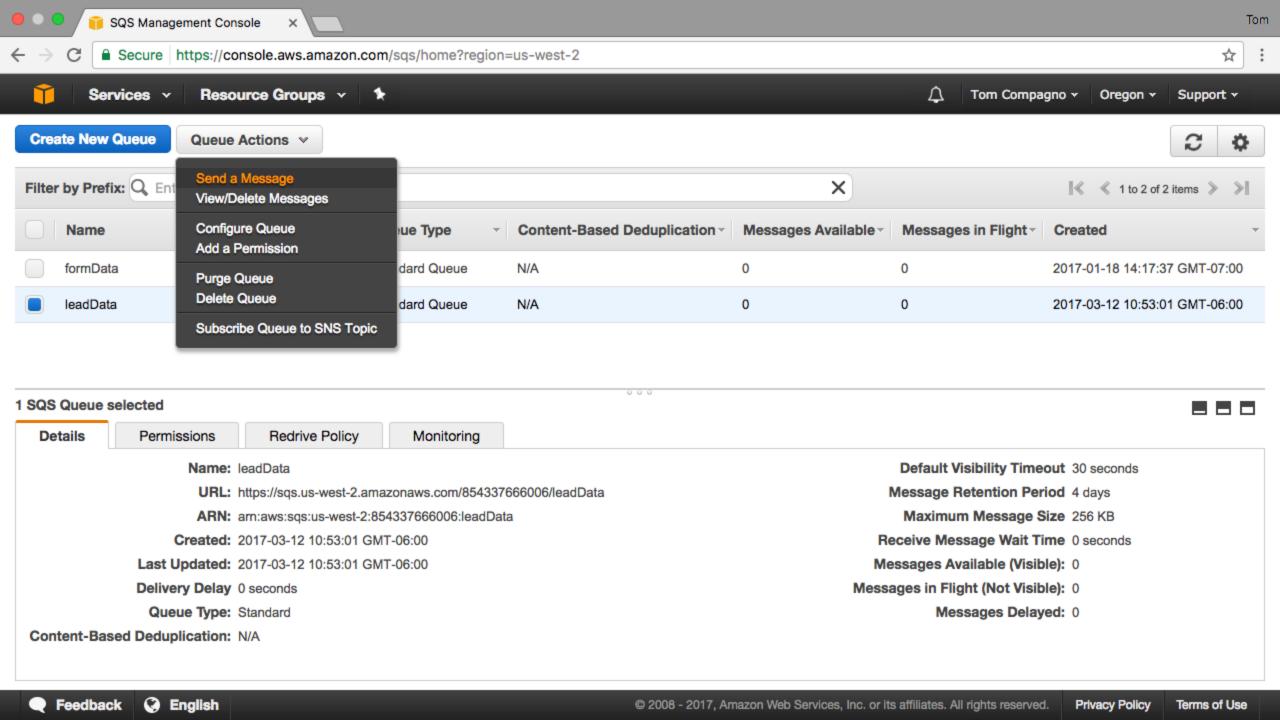
Pollv

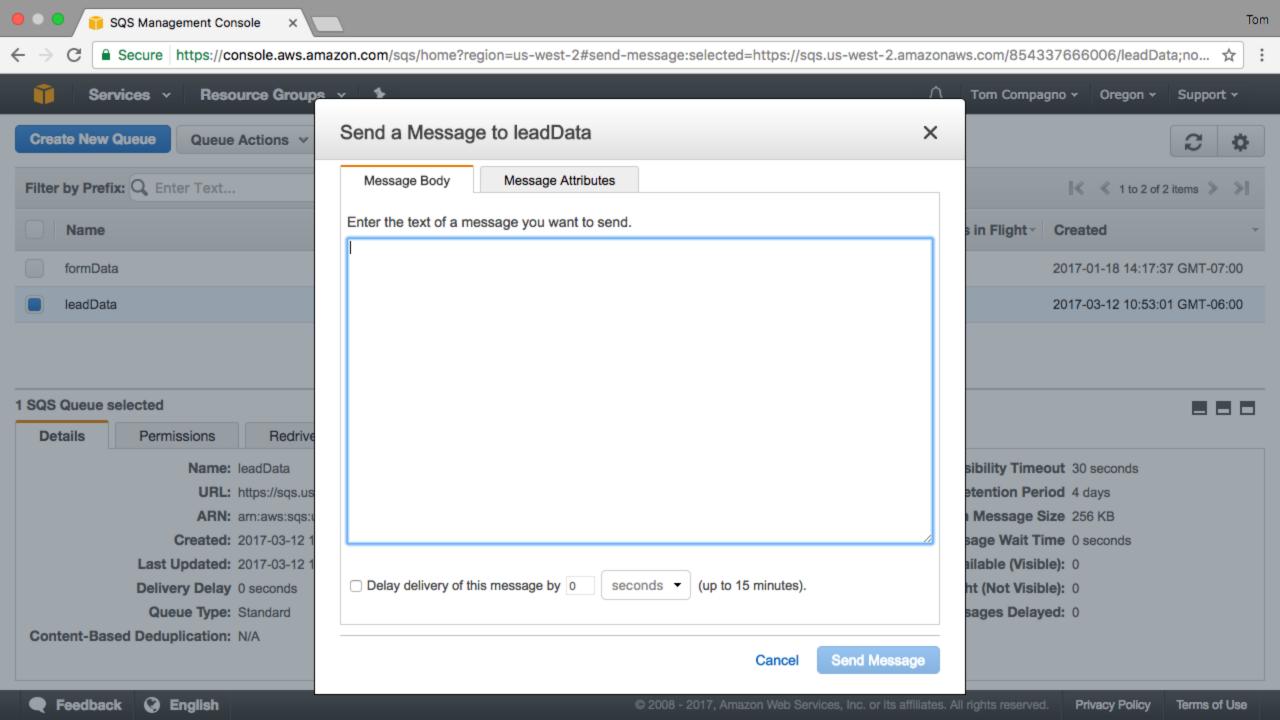


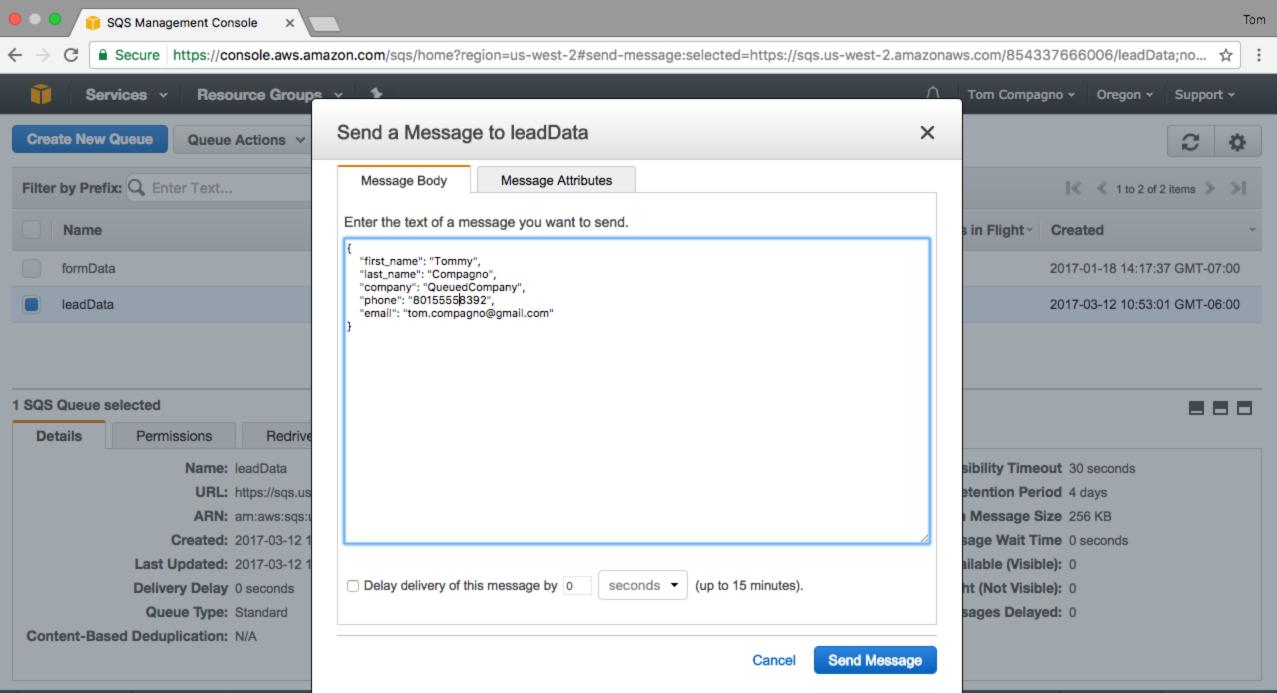
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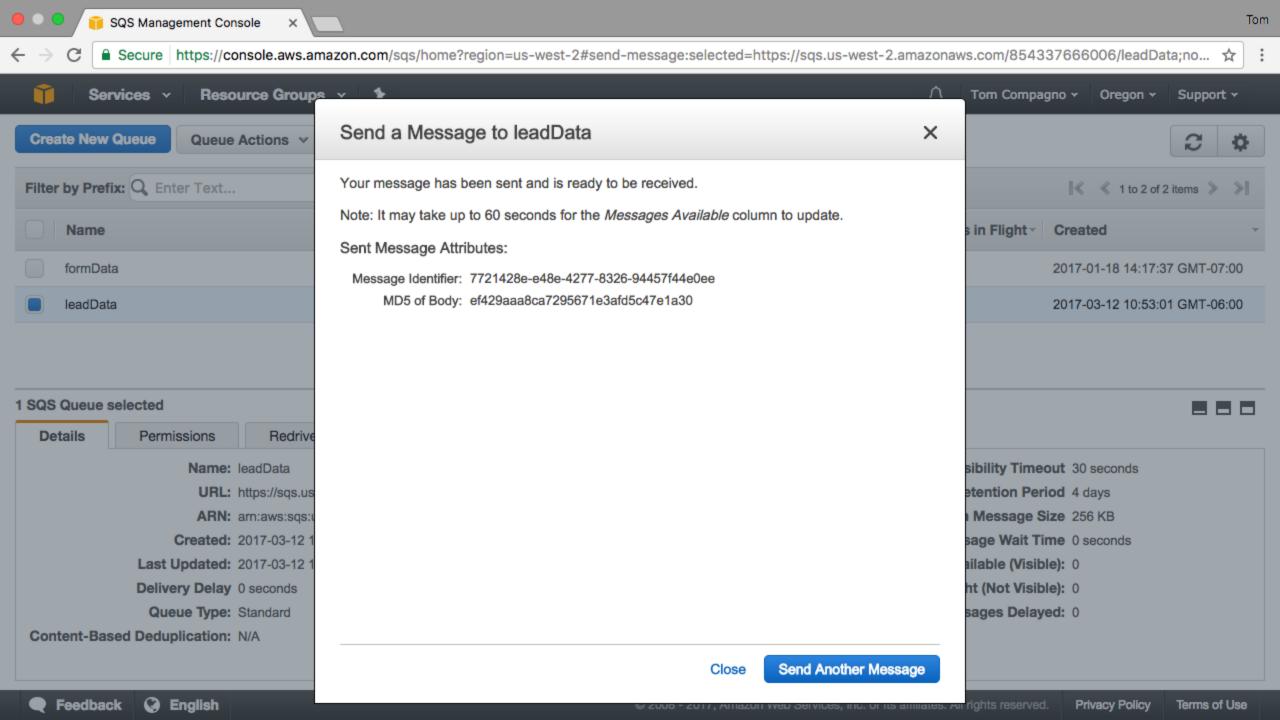


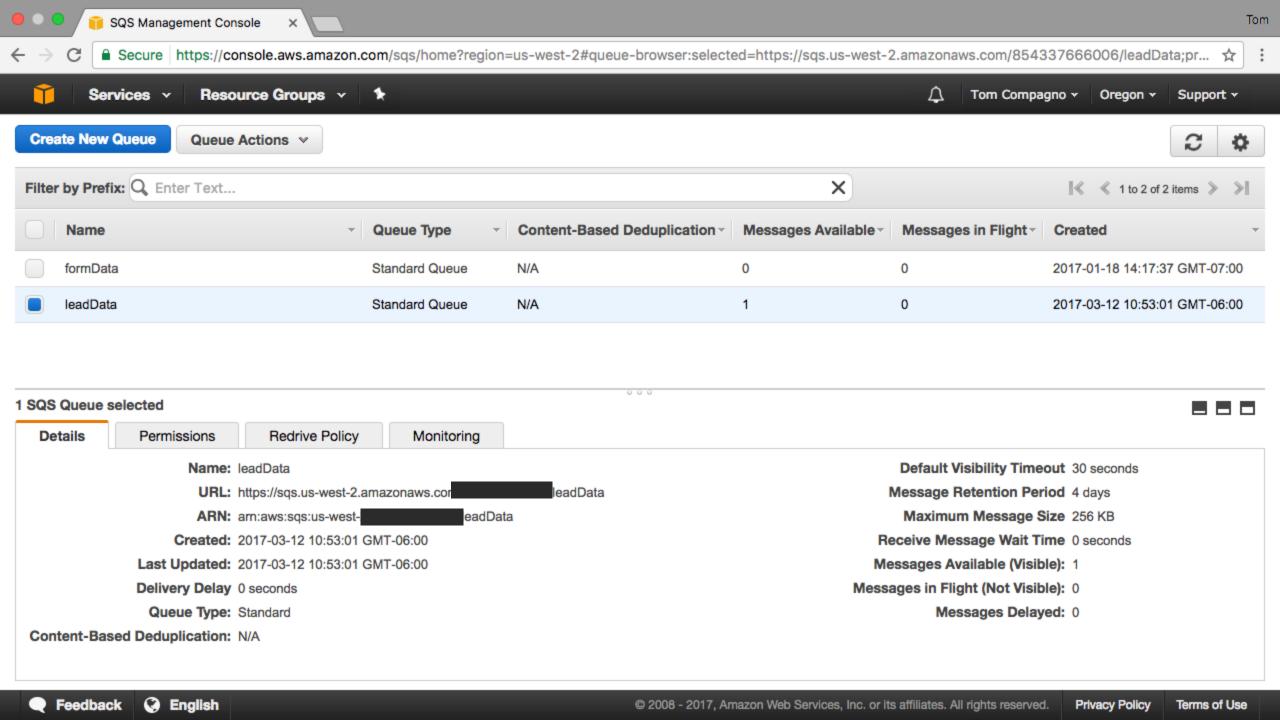




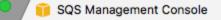










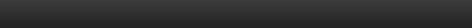




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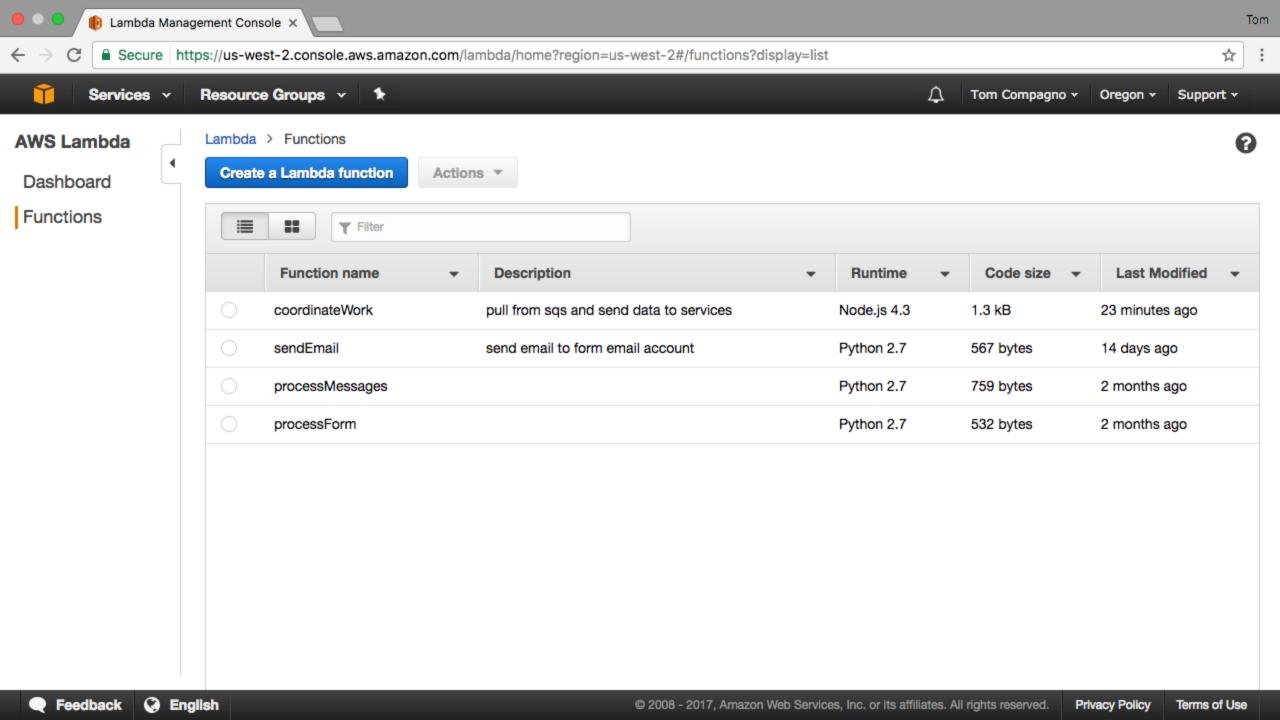
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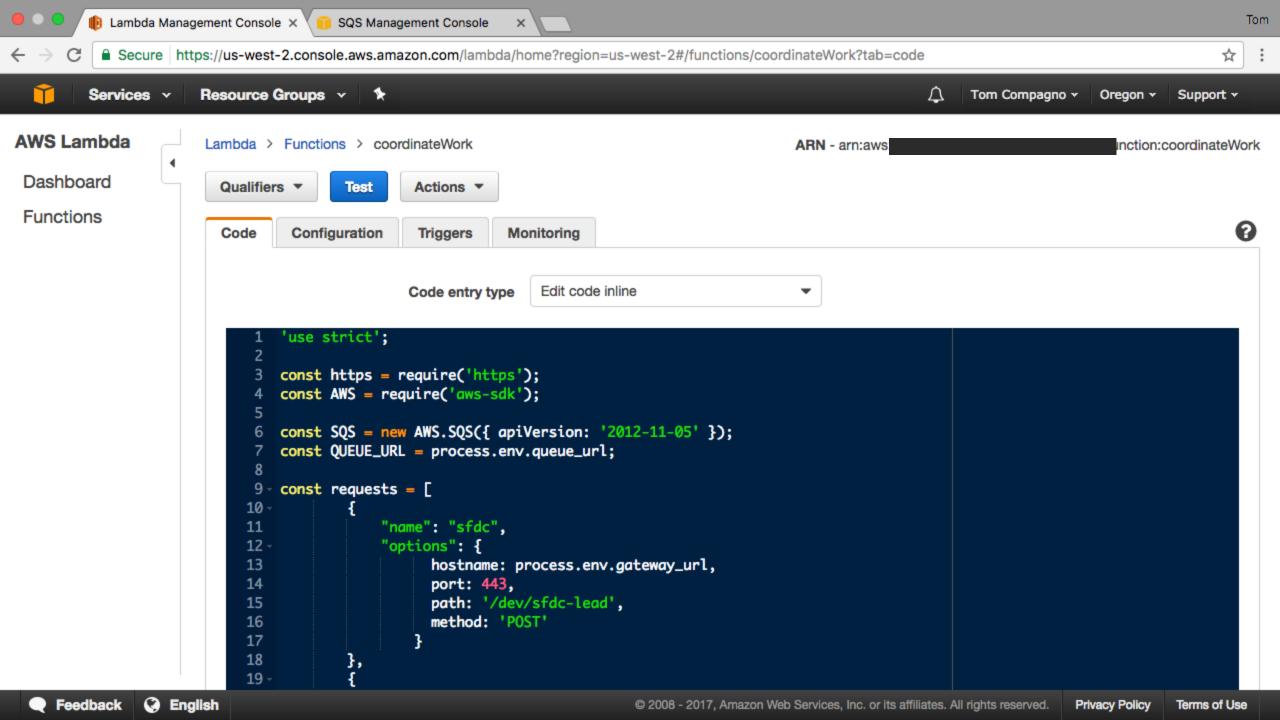
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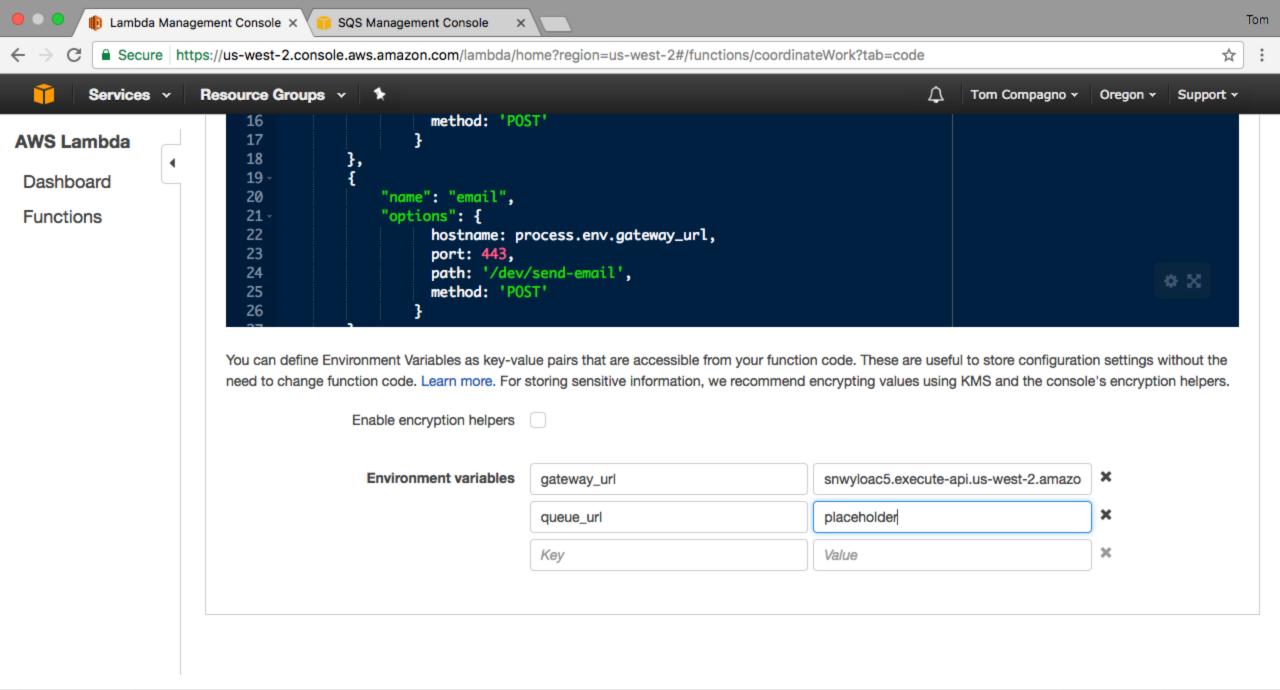


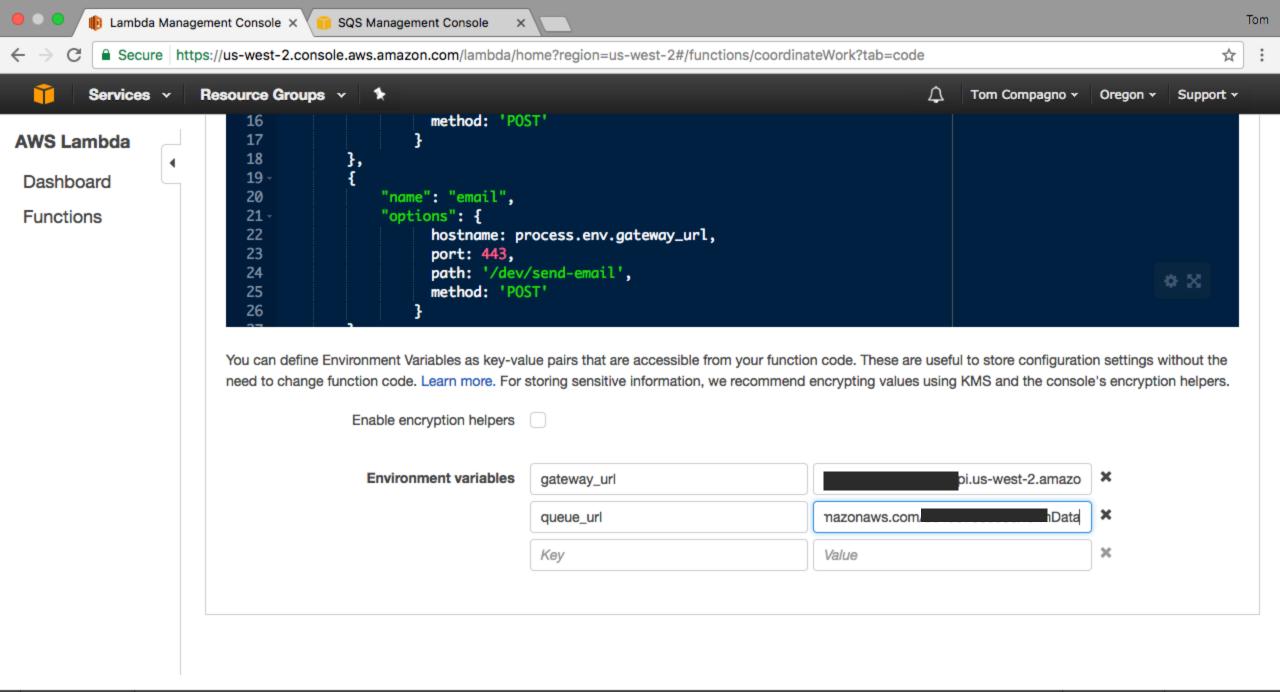
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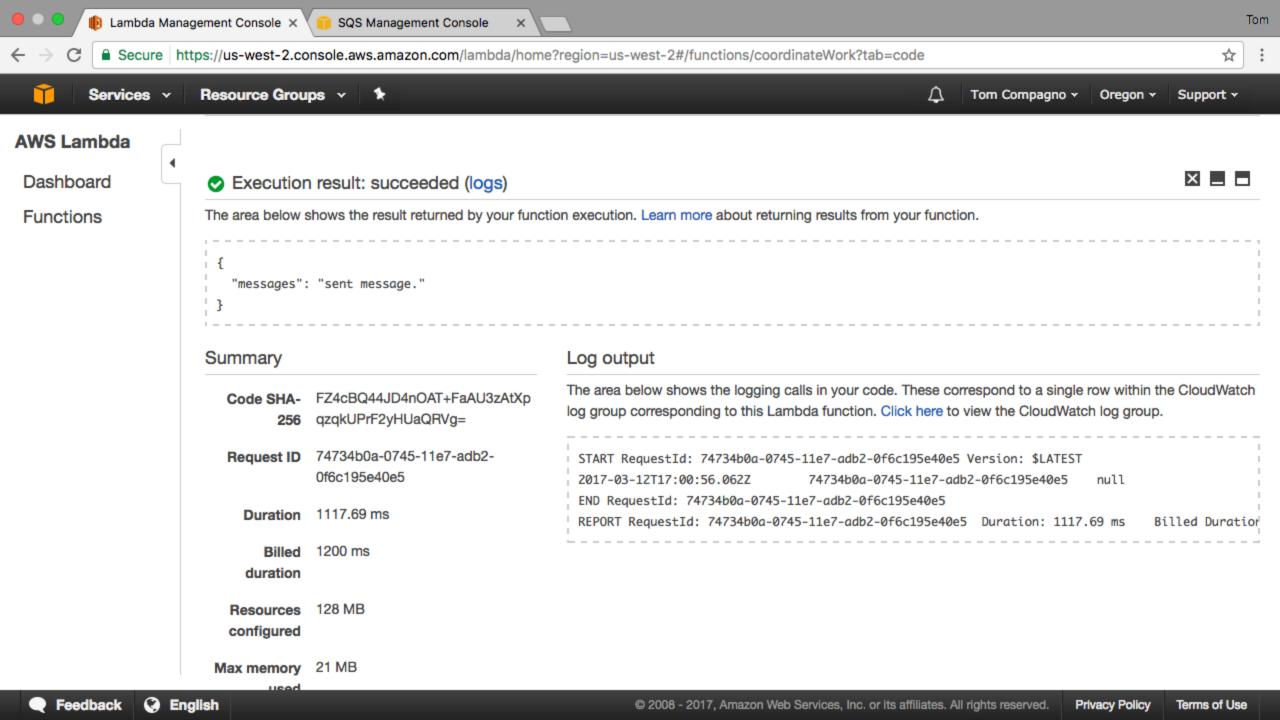
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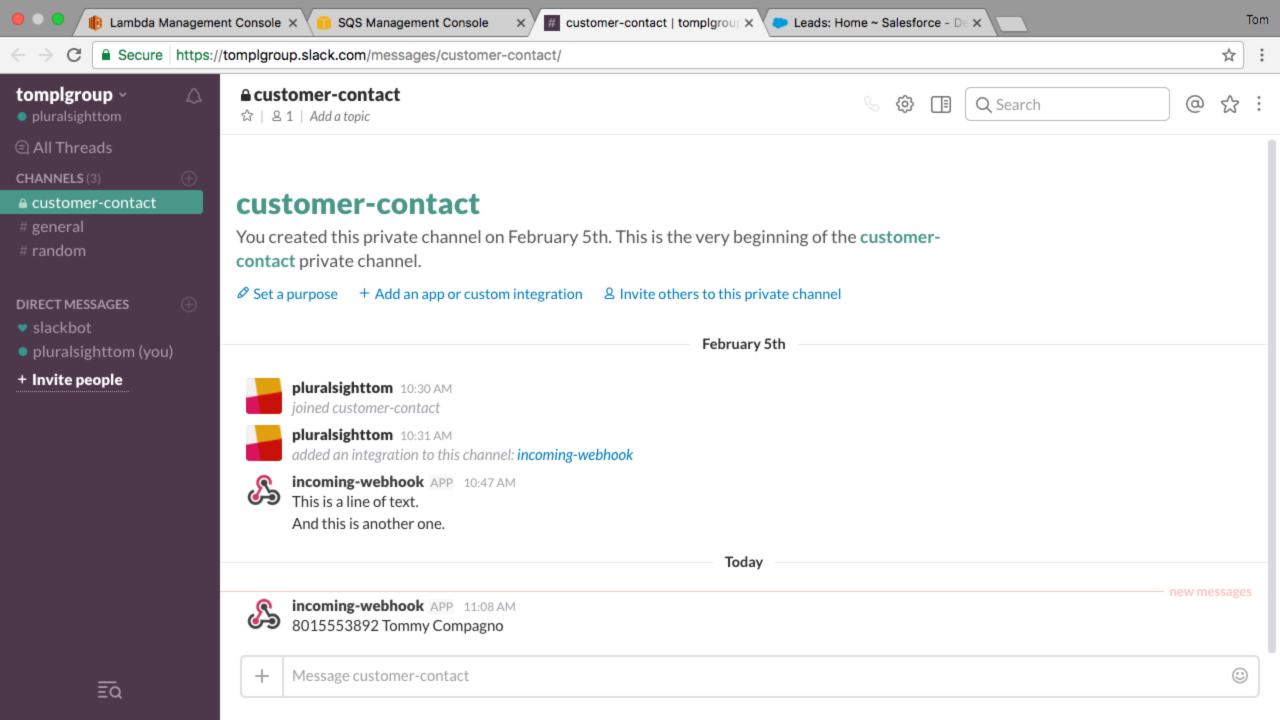


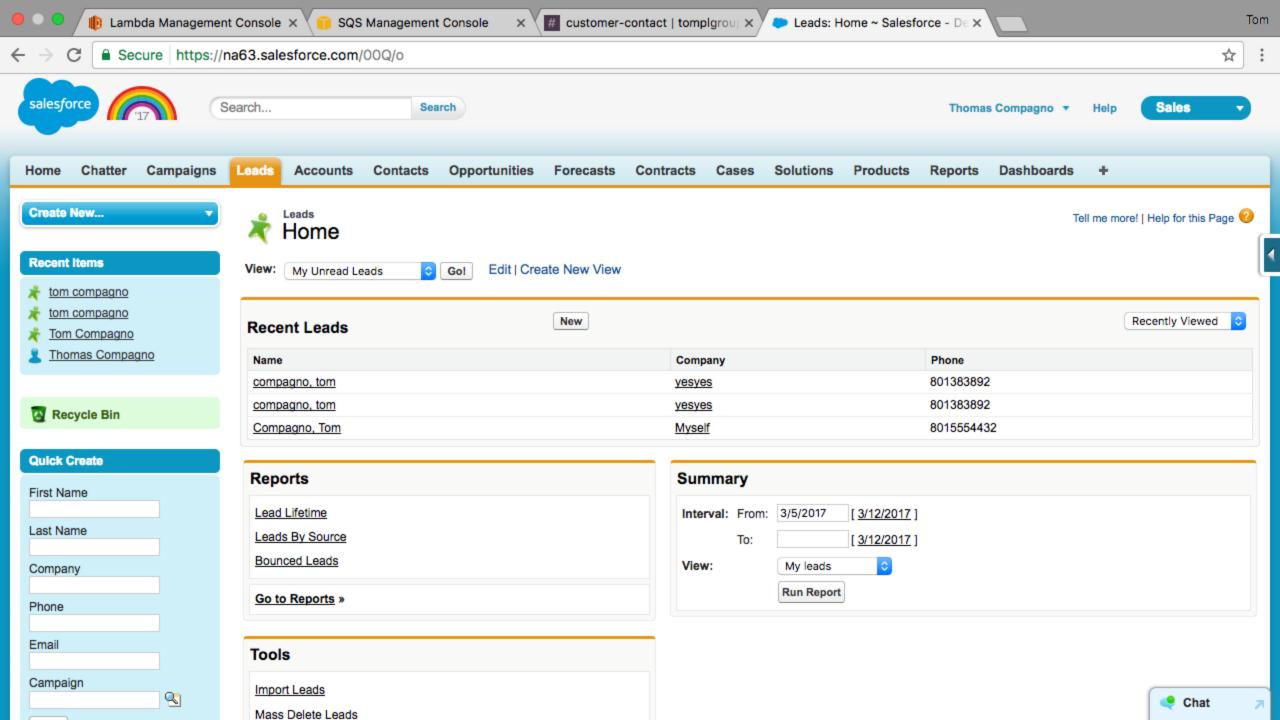


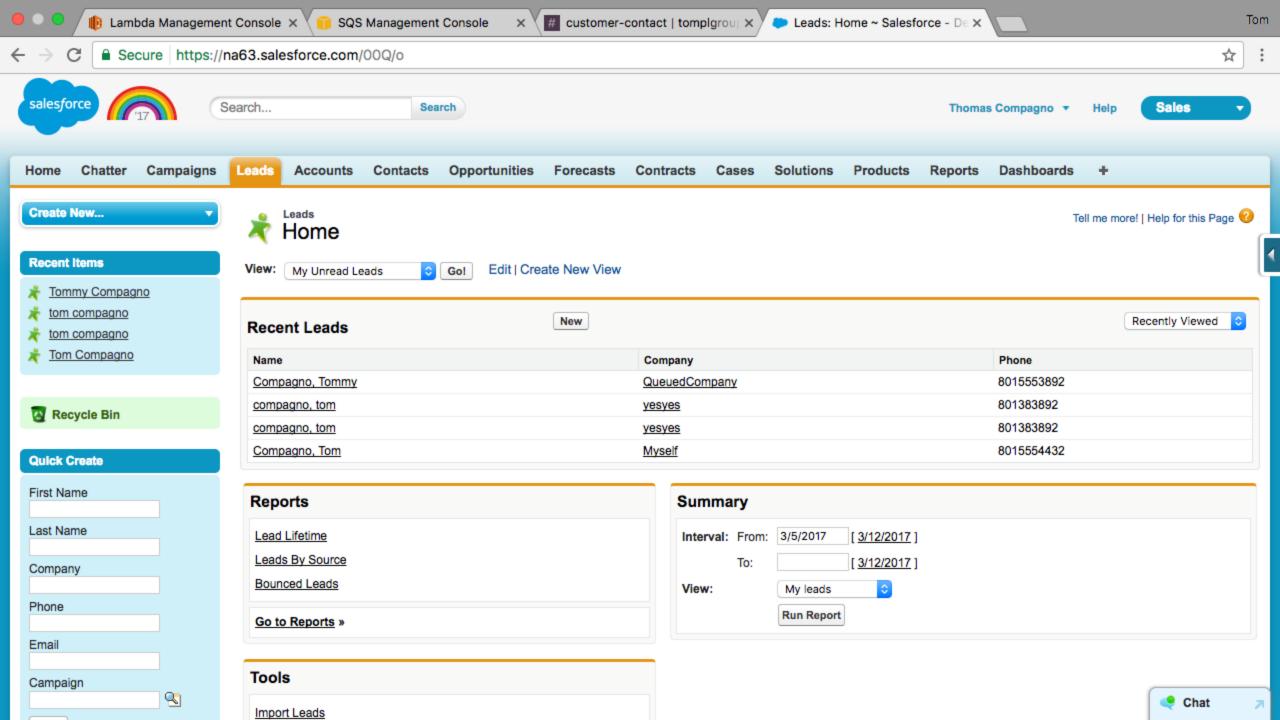




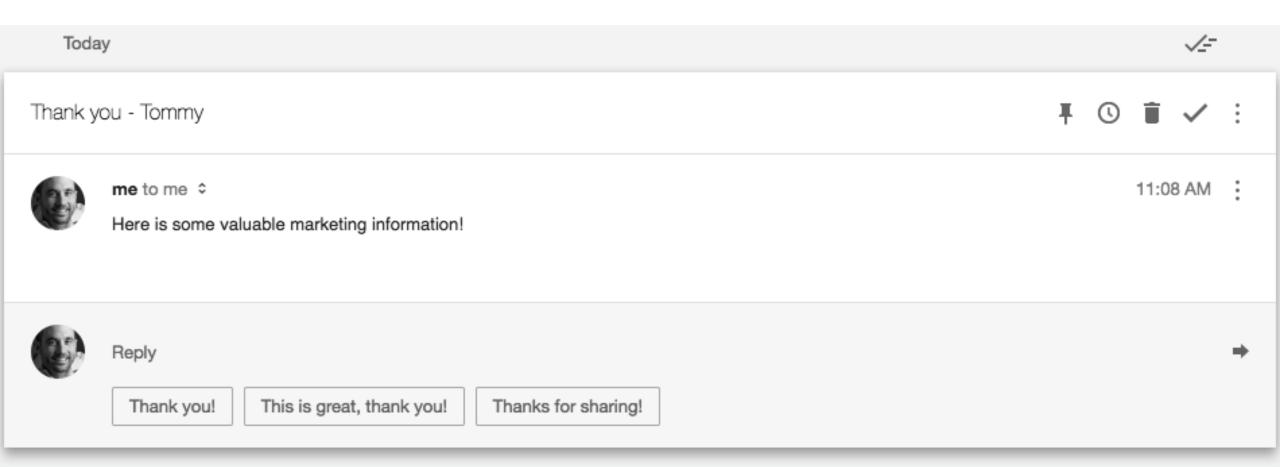








# Test Email Message to Tommy





# Summary



**Built our first queue in SQS** 

Created a Cloudwatch event rule to call our lambda every five minutes

Updated our Lambda function with our new queue URL

Validated a test message correctly passed to all three of our services

- Slack
- Email
- Salesforce

