

Chapter 1: Getting Started with Cloud-Native

The screenshot shows the AWS CloudFormation console interface. The browser address bar displays the URL `https://console.aws.amazon.com/cloudformation/`. The navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'jgilbert @ myaccount' in 'N. Virginia'. The breadcrumb trail is 'CloudFormation > Stacks > Stack Detail'.

The main content area displays the stack details for 'cncb-create-stack-john'. It includes buttons for 'Other Actions' and 'Update Stack'. The details are as follows:

- Stack name:** cncb-create-stack-john
- Stack ID:** arn:aws:cloudformation:us-east-1:xxxxxxxxxx:stack/cncb-create-stack-john/def713f0-2f25-11e8-b4a4-50fae9882035
- Status:** CREATE_COMPLETE
- Status reason:**
- Termination protection:** Disabled
- IAM role:**
- Description:** The AWS CloudFormation template for this Serverless application

Below the details are sections for 'Outputs', 'Resources', and 'Events'. The 'Events' section is expanded, showing a table of events with a search filter set to 'Status'.

2018-03-24	Status	Type	Logical ID	Status Reason
▶ 01:40:59 UTC-0400	CREATE_COMPLETE	AWS::CloudFormation::Stack	cncb-create-stack-john	
▶ 01:40:57 UTC-0400	CREATE_COMPLETE	AWS::S3::Bucket	ServerlessDeploymentBucket	

Lambda Management Console

https://console.aws.amazon.com/lambda/home?region=us-east-1#/functions/cncb-create-function-john-hello

Services Resource Groups

ARN - arn:aws:lambda:us-east-1:870671212434:function:cncb-create-function-john-hello

cncb-create-function-john-hello

Throttle Qualifiers Actions Select a test event... Test Save

Configuration Monitoring

CloudWatch metrics at a glance (aggregated per hour)

View traces in X-Ray

Invocation count Last 24 hours

Jump to Metrics Jump to Logs

Count

Invocation duration Last 24 hours

Jump to Metrics Jump to Logs

2018/03/24 15:00:
Max Milliseconds: 3.64
Avg Milliseconds: 3.64
Min Milliseconds: 3.64

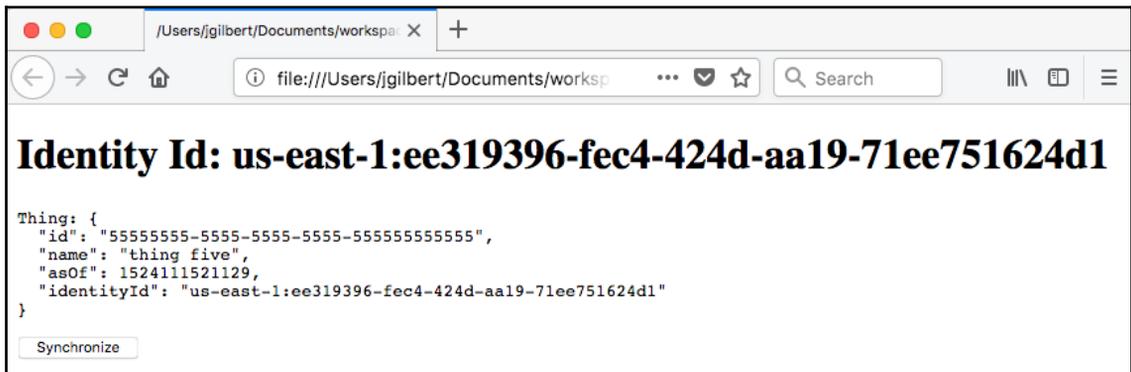
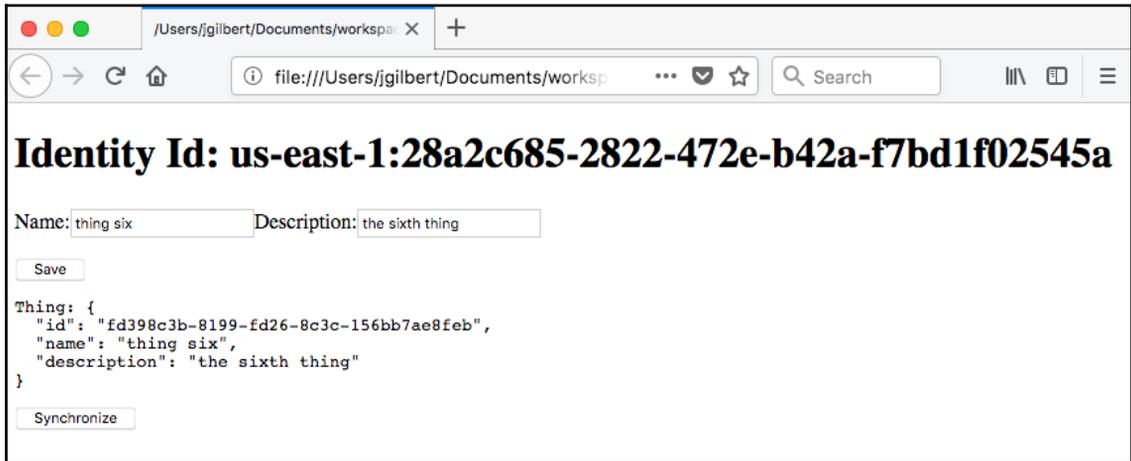
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The screenshot shows the AWS CloudWatch console interface. The breadcrumb navigation indicates the path: CloudWatch > Log Groups > /aws/lambda/cncb-create-function-john-hello > All streams. The left sidebar contains navigation options: Dashboards, Alarms (with 30 INSUFFICIENT and 14 OK status indicators), Billing, Events, Rules, Event Buses, Logs (selected), Metrics, and Favorites. The main content area displays a table of log events for the selected stream. The table has columns for Time (UTC +00:00), Message, and Show in stream. The events are filtered for the date range 2018-03-23 (20:00:00) to 2018-03-24 (20:00:00). The events shown are:

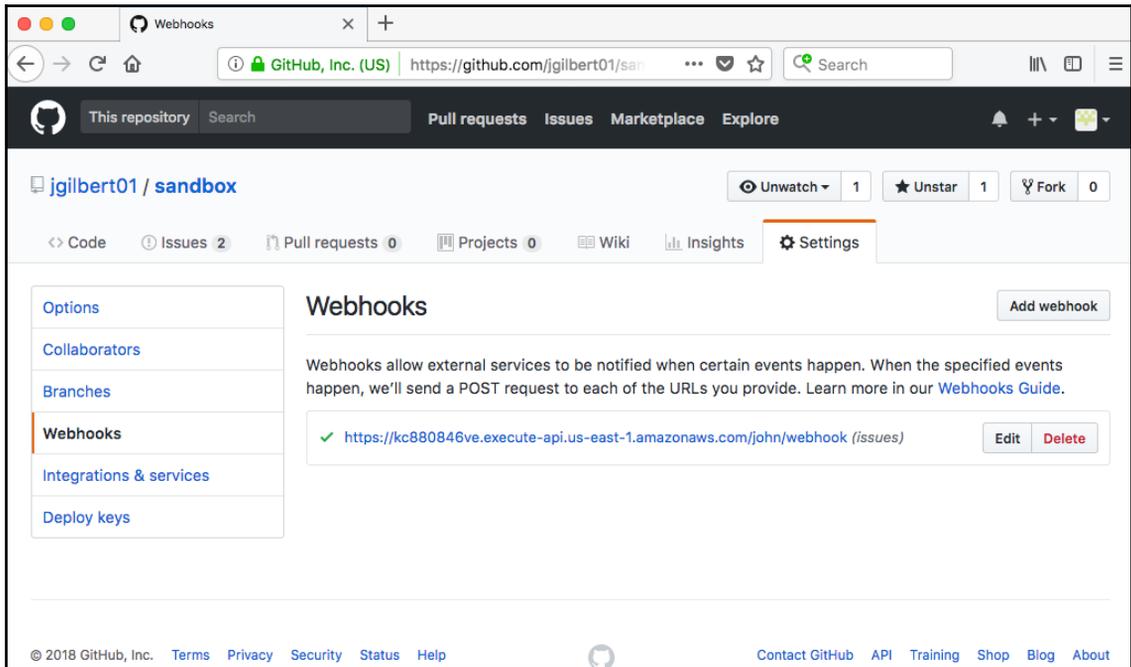
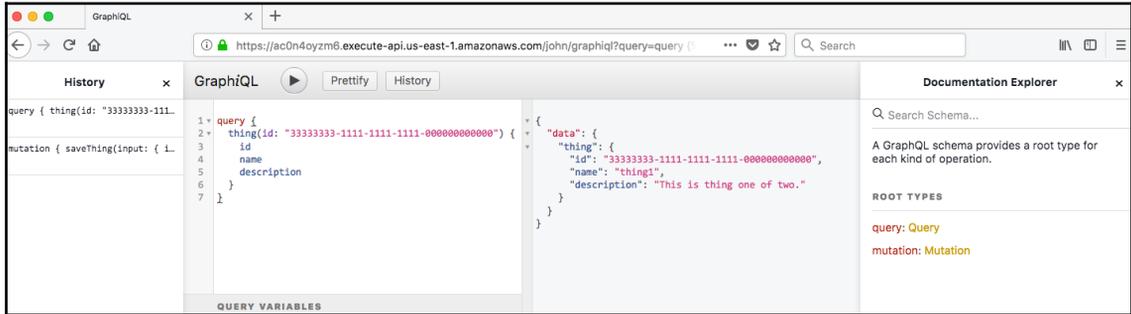
Time (UTC +00:00)	Message	Show in stream
No older events found for the selected date range. Adjust the date range.		
19:48:45	START RequestId: 5c94f650-2f9c-11e8-94cd-1b4a39823b96 Version: \$LATEST	2018/03/24/\$LATEST/54e8a9cfbed...
19:48:45	2018-03-24T19:48:45.252Z 5c94f650-2f9c-11e8-94cd-1b4a39823b96 event: {"hello": "world"}	2018/03/24/\$LATEST/54e8a9cfbed...
19:48:45	2018-03-24T19:48:45.256Z 5c94f650-2f9c-11e8-94cd-1b4a39823b96 context: {"callbackWaitsForEmptyEventLoop": true}	2018/03/24/\$LATEST/54e8a9cfbed...
19:48:45	2018-03-24T19:48:45.256Z 5c94f650-2f9c-11e8-94cd-1b4a39823b96 env: {"V1": "value1", "PATH": "/var/lang/bin"} END RequestId: 5c94f650-2f9c-11e8-94cd-1b4a39823b96	2018/03/24/\$LATEST/54e8a9cfbed...
19:48:45	REPORT RequestId: 5c94f650-2f9c-11e8-94cd-1b4a39823b96 Duration: 3.64 ms Billed Duration: 100 ms Memrc	2018/03/24/\$LATEST/54e8a9cfbed...
No newer events found for the selected date range. Adjust the date range.		

The screenshot shows a web browser window displaying the React application. The browser's address bar shows the URL: cncb-deploy-spa-john-websitebucket-1. The page features the React logo (a blue atom symbol) and the heading "Welcome to React". Below the heading, the text reads: "To get started, edit src/App.js and save to reload."

Chapter 2: Applying the Event Sourcing and CQRS Patterns



Chapter 3: Implementing Autonomous Services



Chapter 10: Deploying to Multiple Regions

