aws re: Invent

S V S 3 4 4 - R

Building APIs designed to push data in real-time

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Agenda

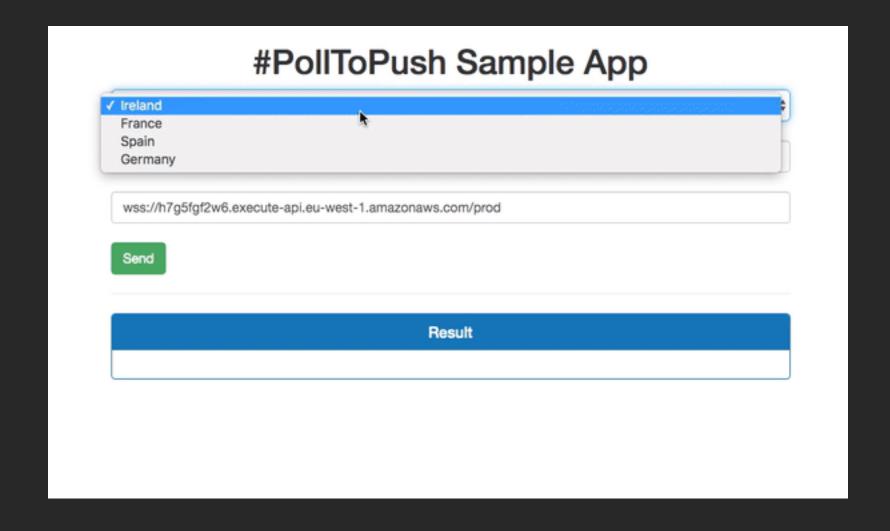
The scenario
How can we solve it?
See it yourself

The Scenario: Long-running jobs behind a serverless API





Show it to me

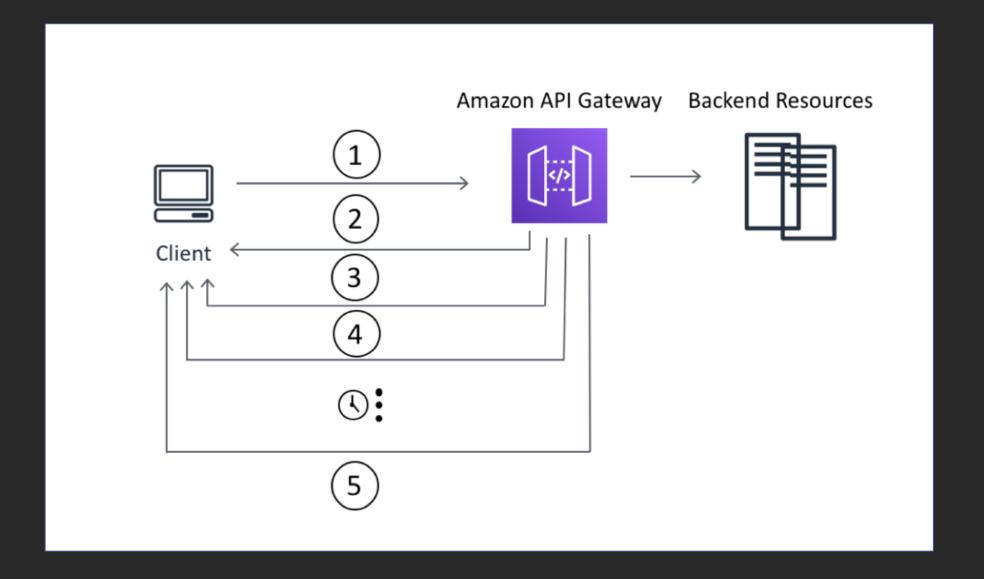


Considerations for building APIs

- Does it need to be real-time?
- Are consumers trusted/not trusted?
- How predictable is data readiness?

Are we there yet?

- 1. POST sends a request
- 2. GET returns an empty response
- 3. Another GET returns an empty response
- 4. Yet another GET returns an empty response
- 5. Finally, GET returns the data you were looking for



Introducing WebSocket type API Gateway

AWS Compute Blog

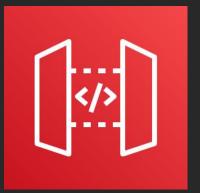
From Poll to Push: Transform APIs using Amazon API Gateway REST APIs and WebSockets

by Chris Munns | on 18 APR 2019 | in Advanced (300), Amazon API Gateway, AWS Lambda, AWS Step Functions, Intermediate (200), Serverless | Permalink | Comments | Share

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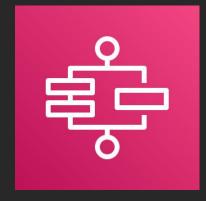
This post is courtesy of Adam Westrich and Ronan Prenty

Services involved





REST and WebSocket API



AWS Step Functions

Orchestration



AWS Lambda

Serverless compute



Amazon DynamoDB

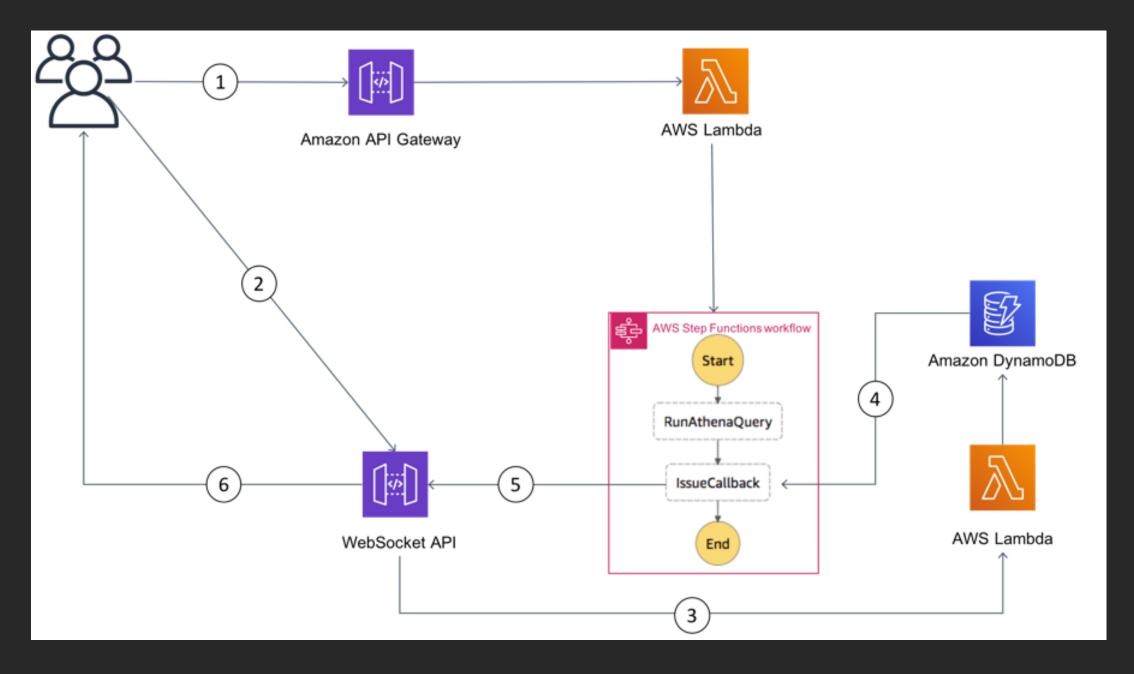
Key value store

To the whiteboard





See it yourself: https://amzn.to/2CfgfCI



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