Instrument All the Things!

Instrumenting Applications in a Serverless Architecture with AWS X-Ray

Daniel Knight
March 5th, 2019

/me

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aws ✓ **CERTIFIED**
Solutions Architect - Associate

Tonight's Resources

https://goo.gl/5LUDm7

Code

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Tonight's Topics

What is AWS X-Ray?

AWS' Distributed Tracing Service which allows you to analyze, debug, and trace distributed applications.

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Tonight's Topics

Basics of AWS X-Ray

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Challenges of Instrumentation in a Serverless Architecture

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Challenges

Code is running independently,
and distributed.

- Cpt. Obvious

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Challenges

Which means: Debugging and optimizing *can* become a game of "Serverless Guess Who".

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Challenges

When you do get a lead, it *can* often end in a "dead-end".

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Ideally…

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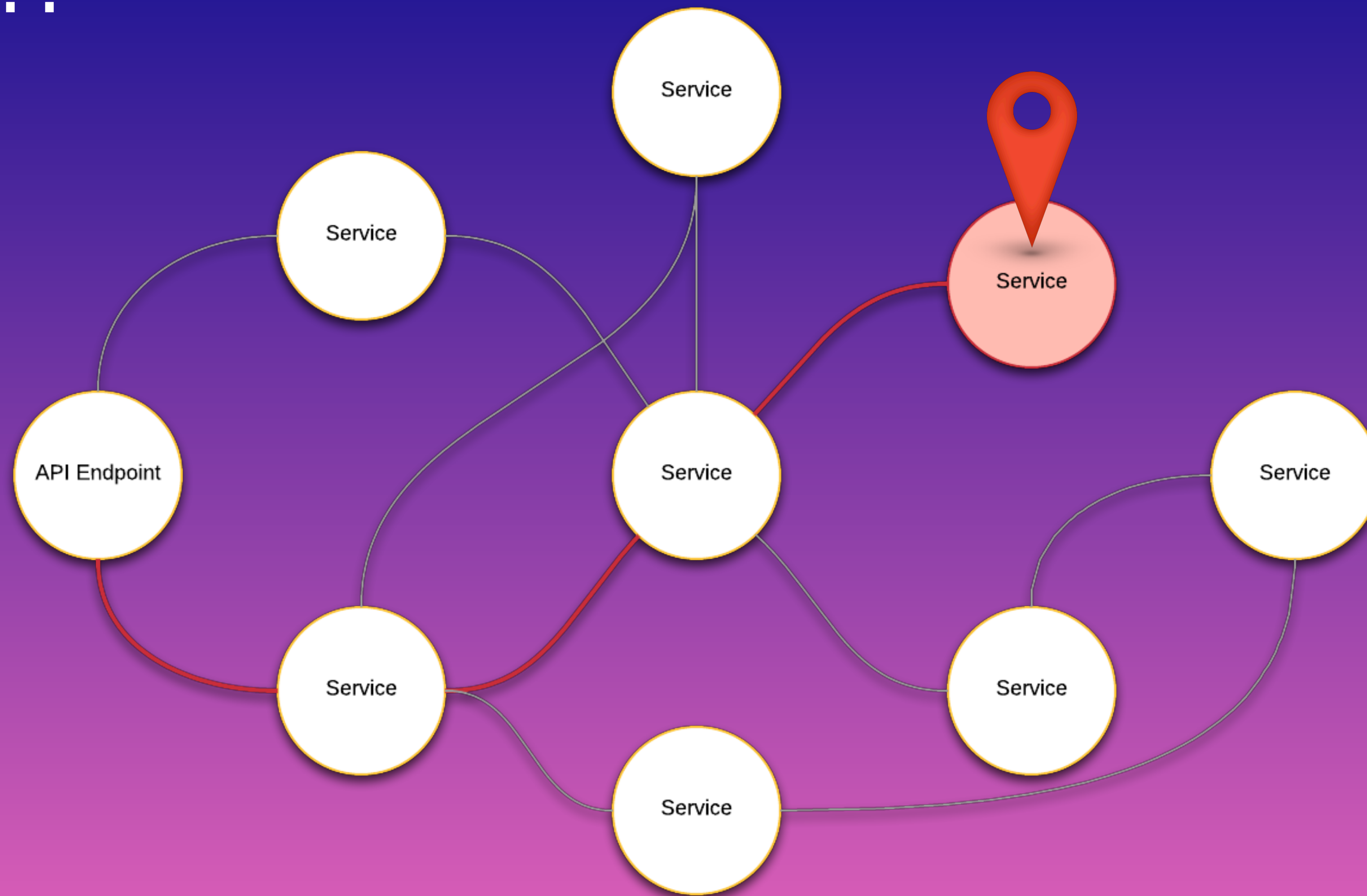
AWS X-Ray
Easy to *Enable…* / Built-in to Lambda

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Hello, World
Demo

https://goo.gl/5LUDm7

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Demo Review

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Code

Demo Review

Enabled X-Ray Flag in Serverless.yml

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Code

Demo Review

X-Ray UI

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Code

Demo Review

Hello Service Maps!

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Code

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Demo Review

Tracing

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Code

Demo Review

Errors and Faults

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Code

Demo Review

Distributed Application
Serverless Calculator Demo

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Code

Severless Calculator

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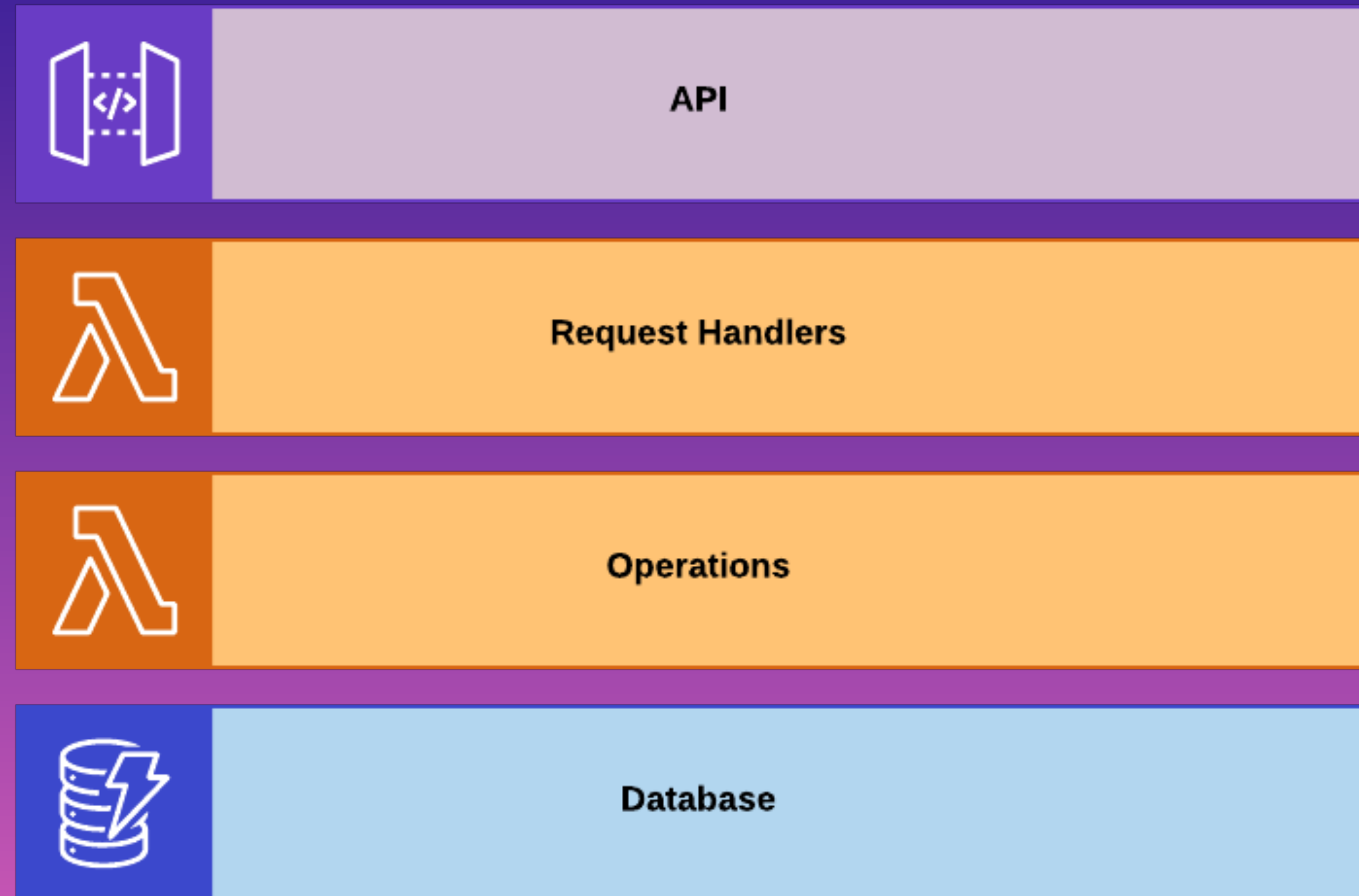
Code

Thank You!

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Code