
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

SVS317-R

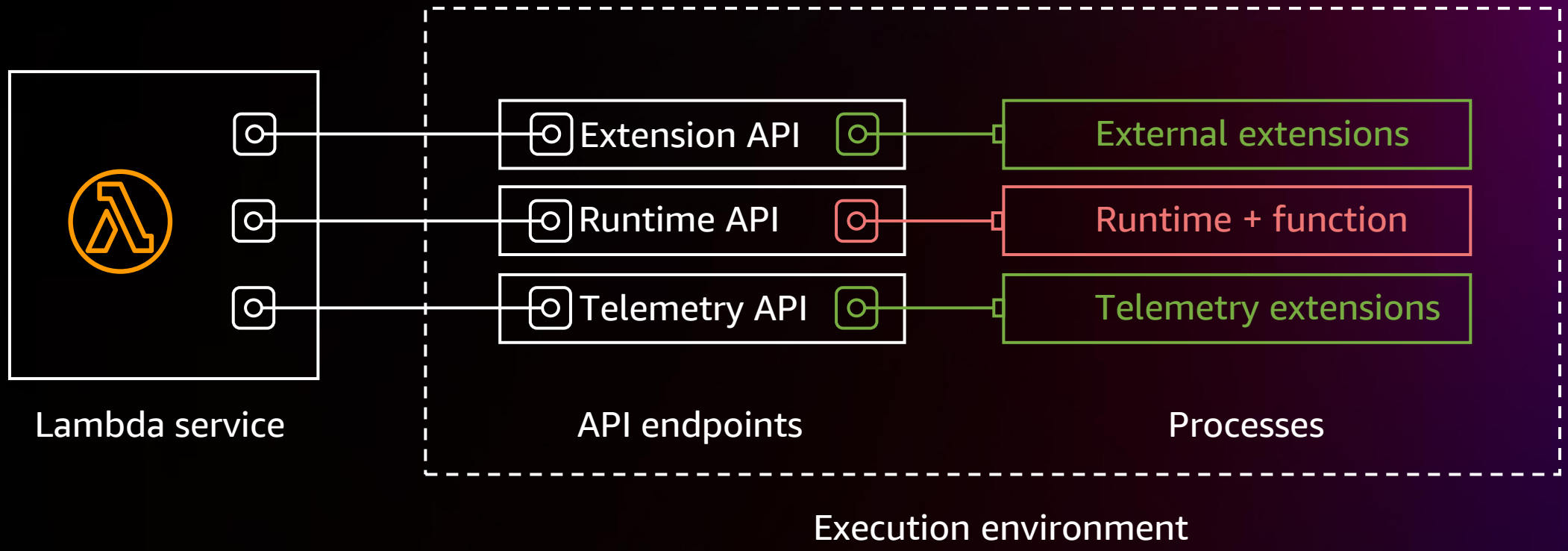
Supercharge your serverless application with AWS Lambda extensions

Harold Sun

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Amazon Web Services

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Quick overview of Lambda extensions

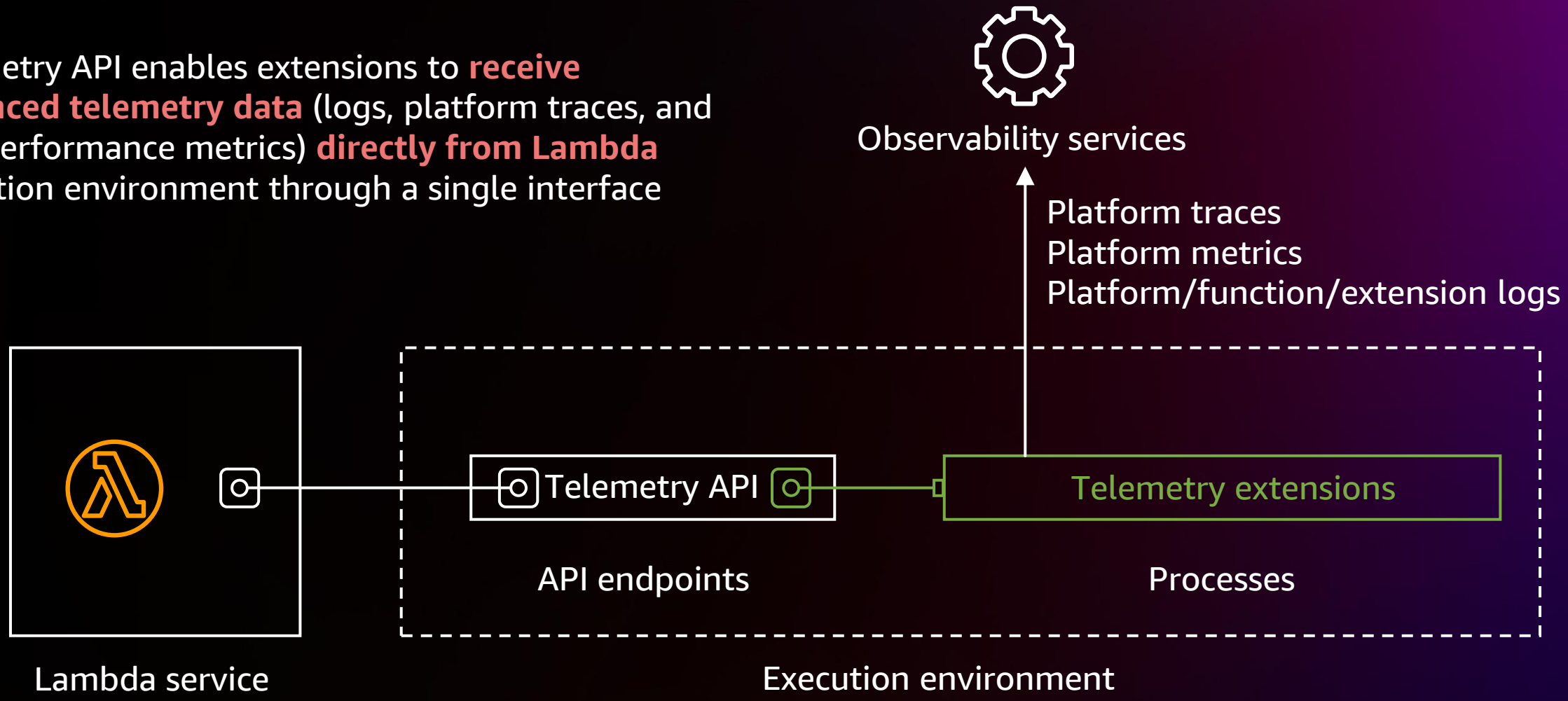


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Telemetry API

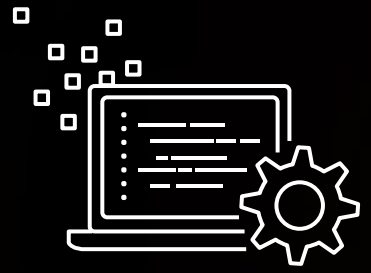
NEW

Telemetry API enables extensions to **receive enhanced telemetry data** (logs, platform traces, and new performance metrics) **directly from Lambda** execution environment through a single interface



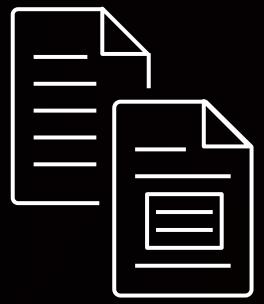
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Supercharge your application with extensions



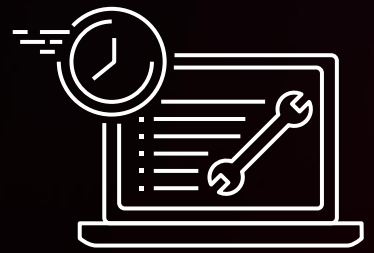
Development

New programming model to support web applications



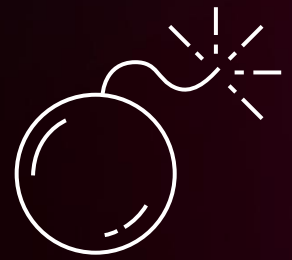
Configuration

Pass configurations and secrets into functions



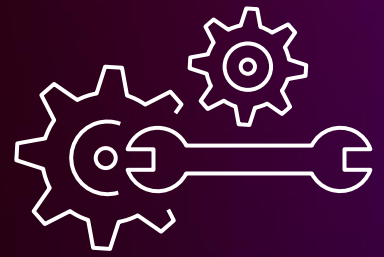
Reliability

Graceful shutdown to clean up resources



Resiliency

Inject chaos into Lambda to test system resiliency



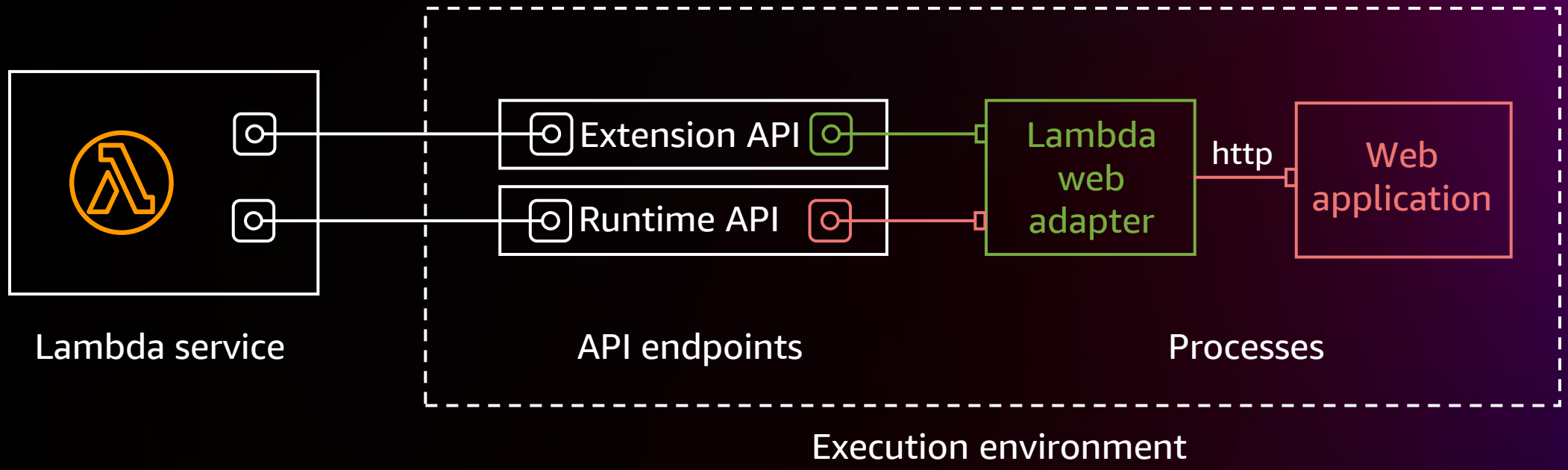
Debugging

Live debugging from local computers

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Support web applications on Lambda

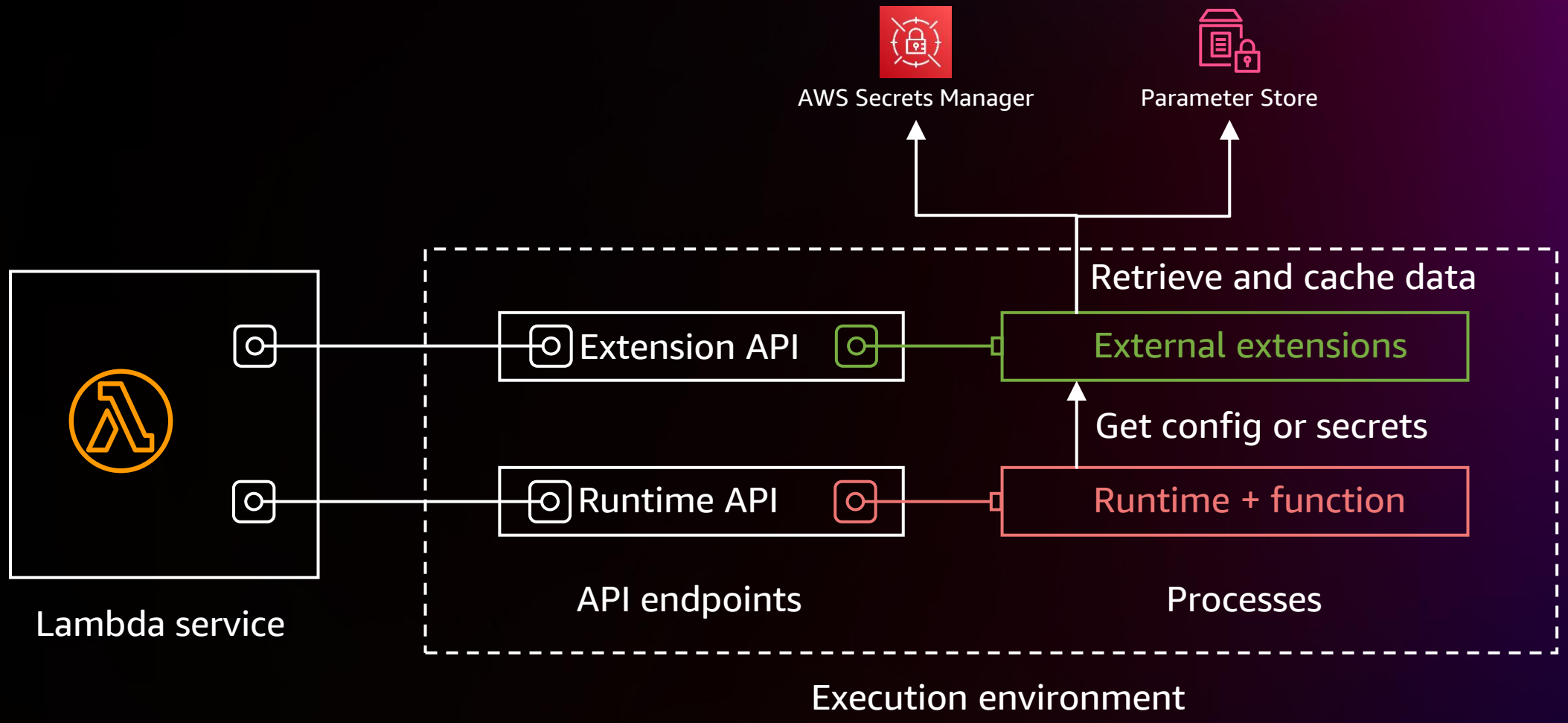


https://github.com/awslabs/aws-lambda-web-adapter

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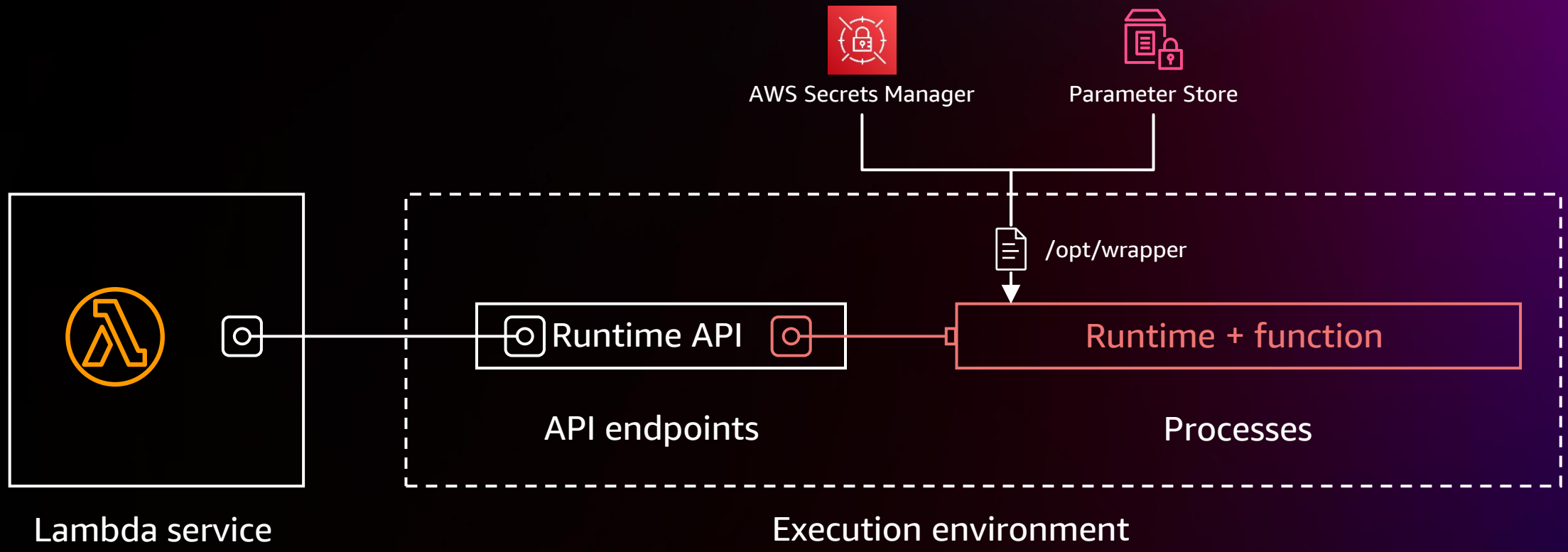
AWS Parameters and Secrets Lambda extension

NEW



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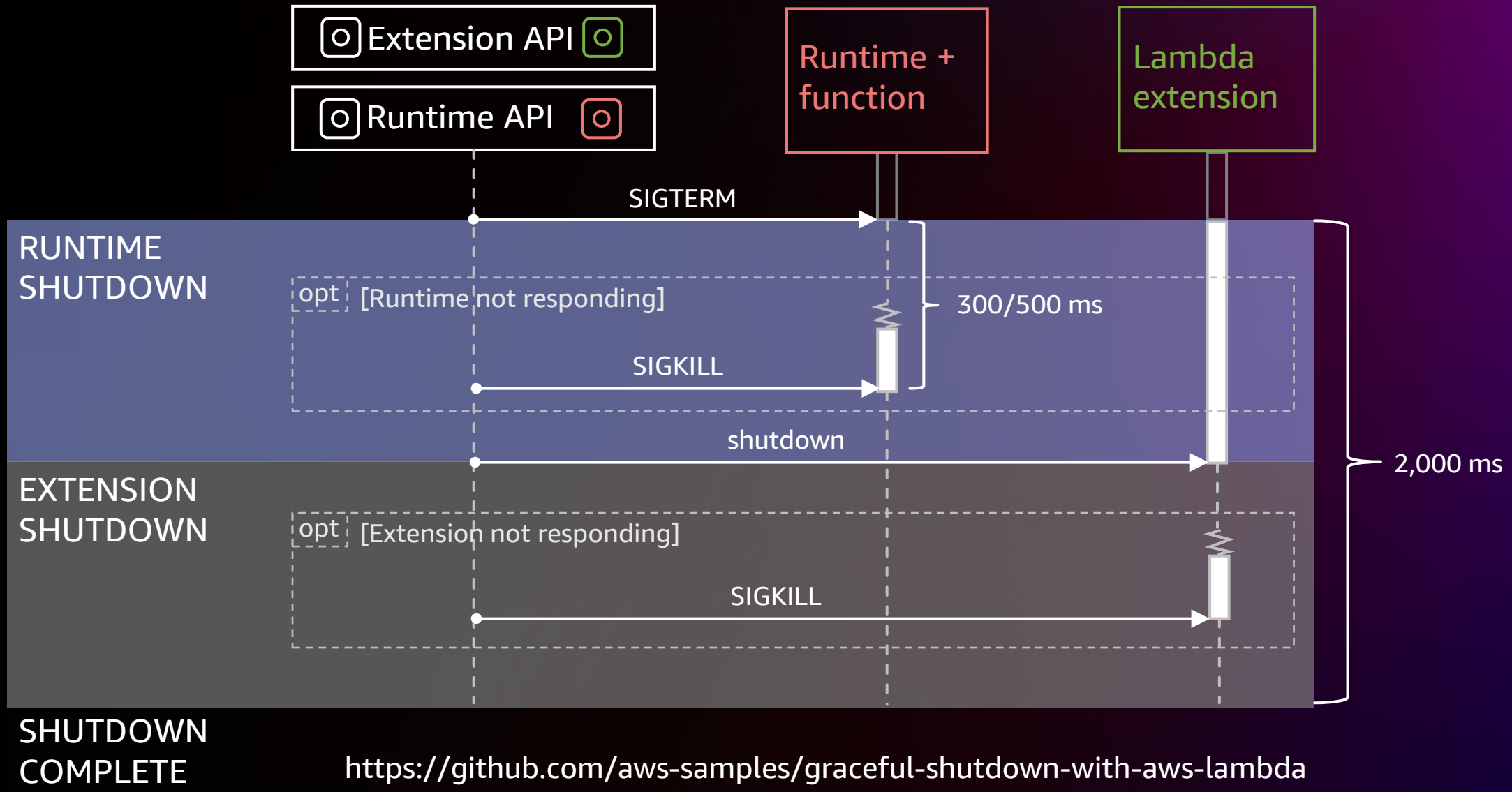
Pass configurations and secrets to Lambda



https://github.com/aws-samples/lambda-config-injector

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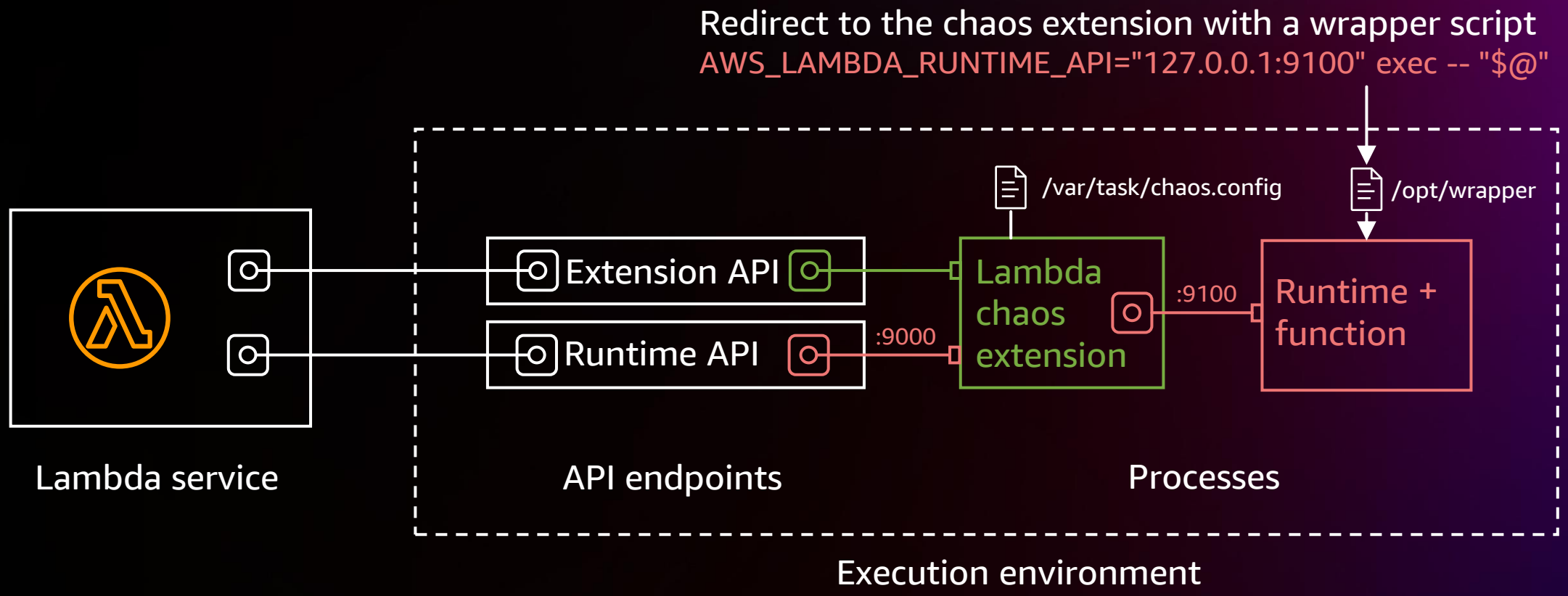
Graceful shutdown for Lambda functions



https://github.com/aws-samples/graceful-shutdown-with-aws-lambda

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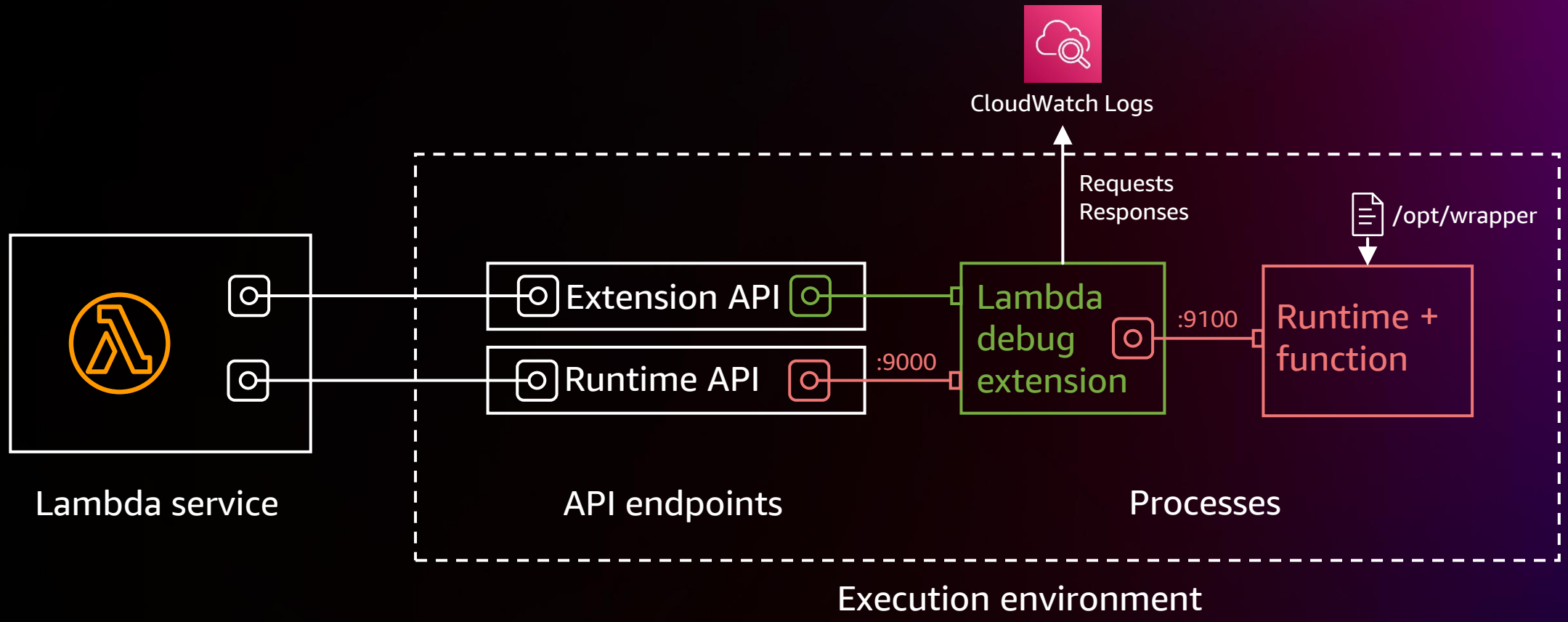
Chaos engineering for Lambda



https://github.com/aws-samples/serverless-chaos-extension

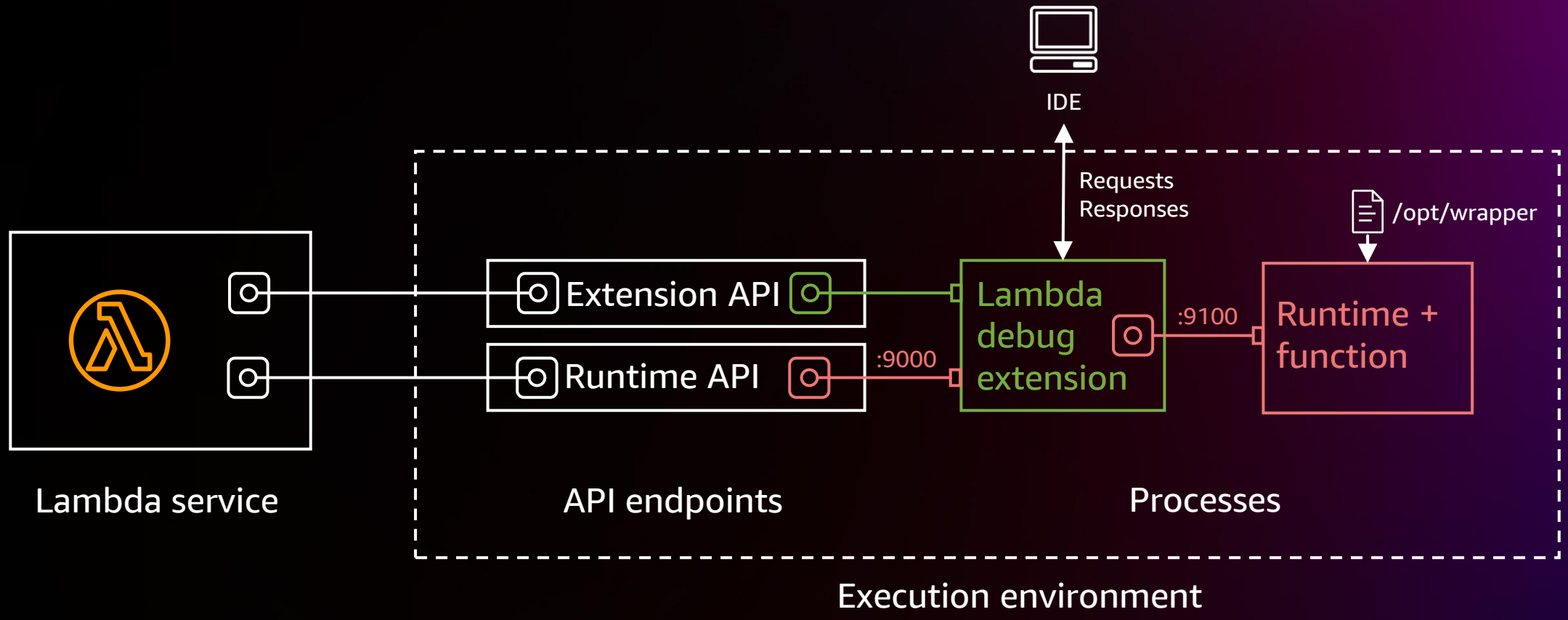
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Debugging Lambda functions



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Live debugging Lambda functions



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Let’s draw out the solution

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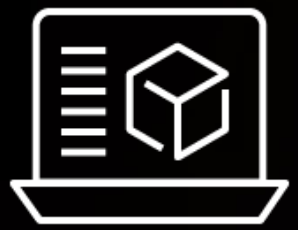
Related sessions

ID	Title	Type
SVS310	From serverful to serverless Java with AWS Lambda	Workshop
SVS404-R	A closer look at AWS Lambda	Breakout
SVS305-R	Understanding AWS Lambda concurrency	Chalk talk
SVS314-R	AWS Lambda performance tuning	Chalk talk

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Thank you!

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