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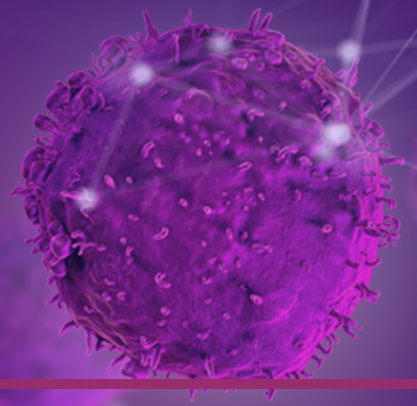
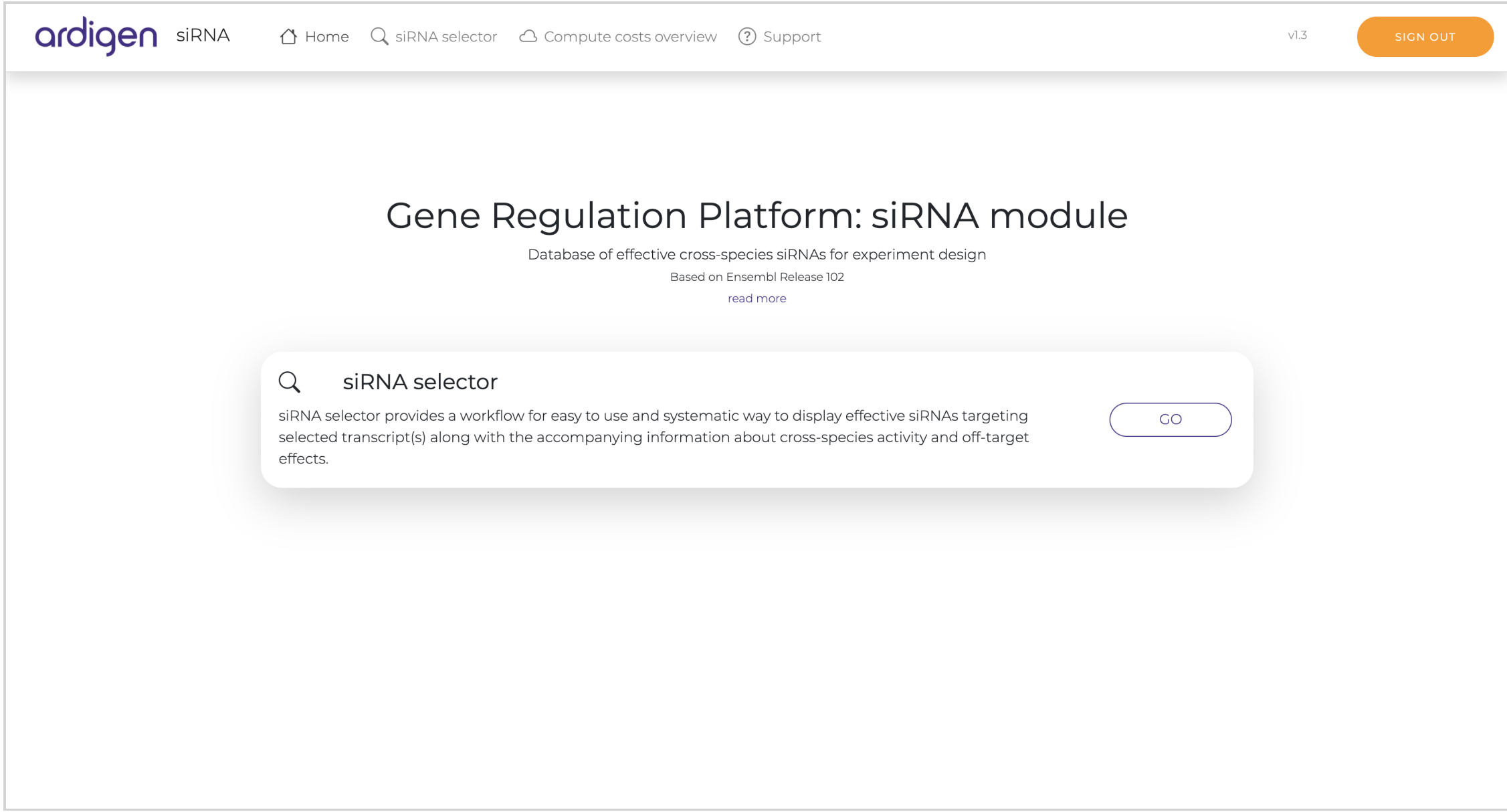
No code REST APIs



Karol Horosin

Why?


ardigen
siRNA
Home
siRNA selector
Compute costs overview
Support
v1.3
SIGN OUT
Gene Regulation Platform: siRNA module
Database of effective cross-species siRNAs for experiment design
Based on Ensembl Release 102
read more
siRNA selector
siRNA selector provides a workflow for easy to use and systematic way to display effective siRNAs targeting selected transcript(s) along with the accompanying information about cross-species activity and off-target effects.
GO

siRNA selector

1. Select a gene

Gene

BRCA1 BRCA1 DNA repair associated homo_sapiens (ENSG00000012048)

Gene details in ensembl

2. Select a transcript

Type to Search | Clear

Selected	Transcript	Biotype	Transcript Tsl	Transcript Appris
	BRCA1-203 ENST00000357654 ENSP00000350283 (protein)	protein_coding	tsl1 (assigned to previous version 7)	alternative2
✓	BRCA1-210 ENST00000471181 ENSP00000418960 (protein)	protein_coding	tsl1 (assigned to previous version 6)	principal4
	BRCA1-201 ENST00000352993 ENSP00000312236 (protein)	protein_coding	tsl5	
	BRCA1-202	protein_coding	tsl1	

3. Filter siRNAs

Min efficacy score 0,8

siRNA length all

Goals

Rapid development

Low infrastructure cost

Quick turnaround

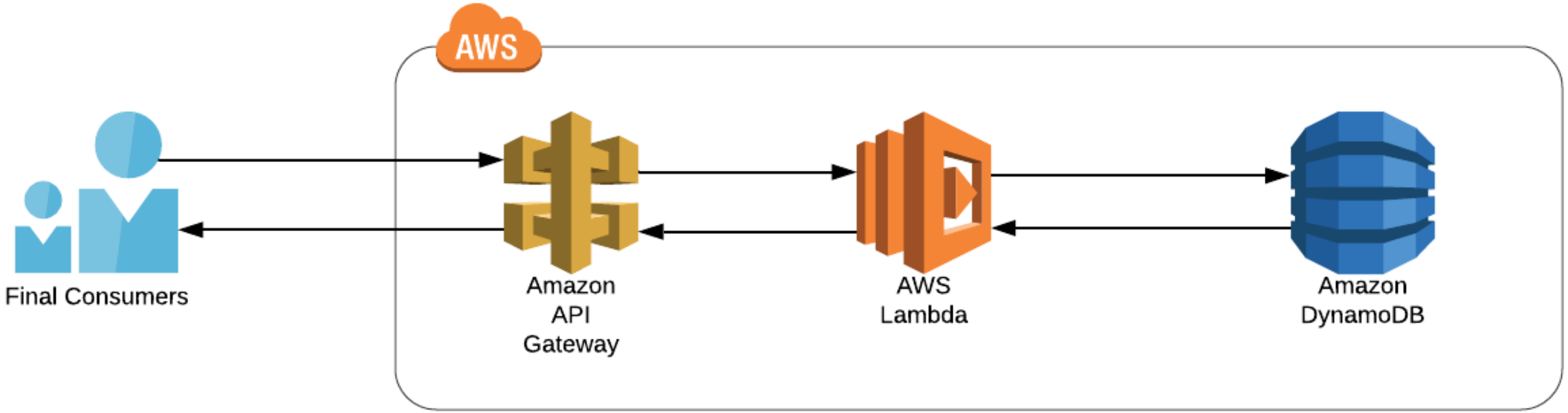
Easy maintenance

Limitations

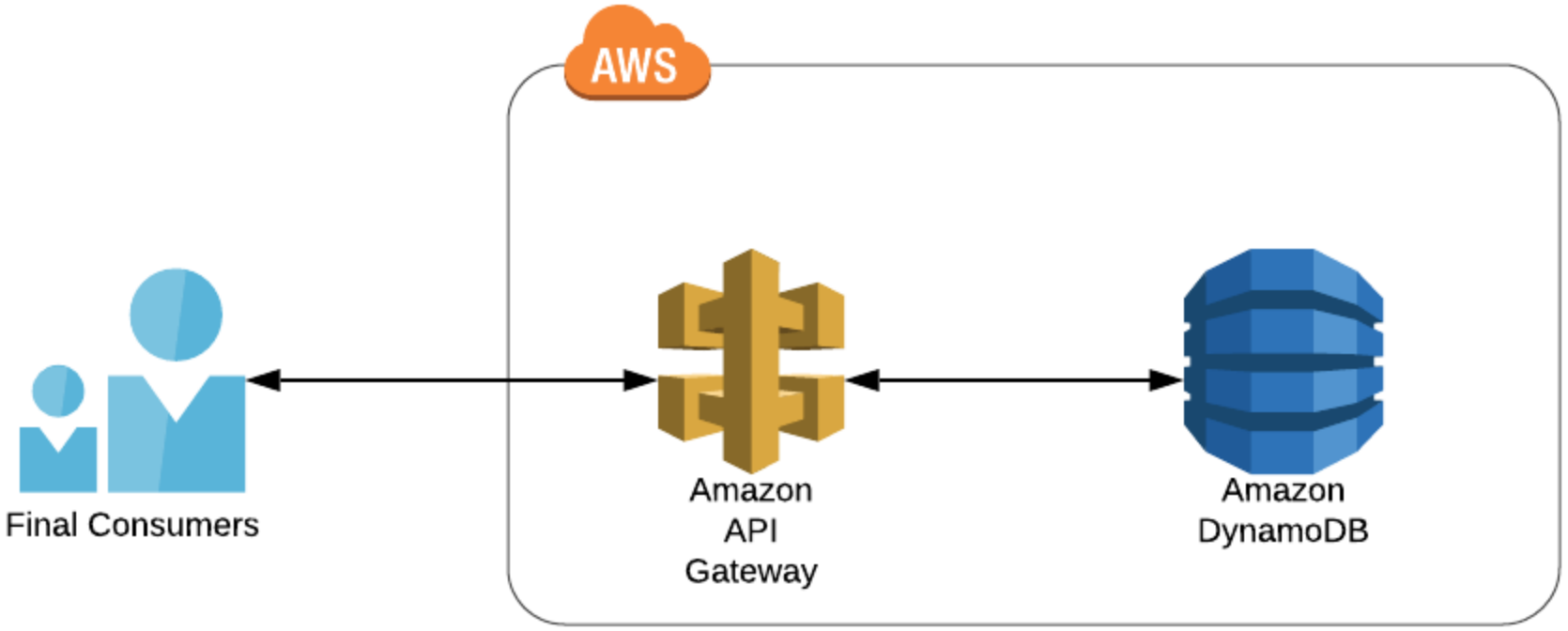
Over 25GB - $0.25 per GB

6MB request size

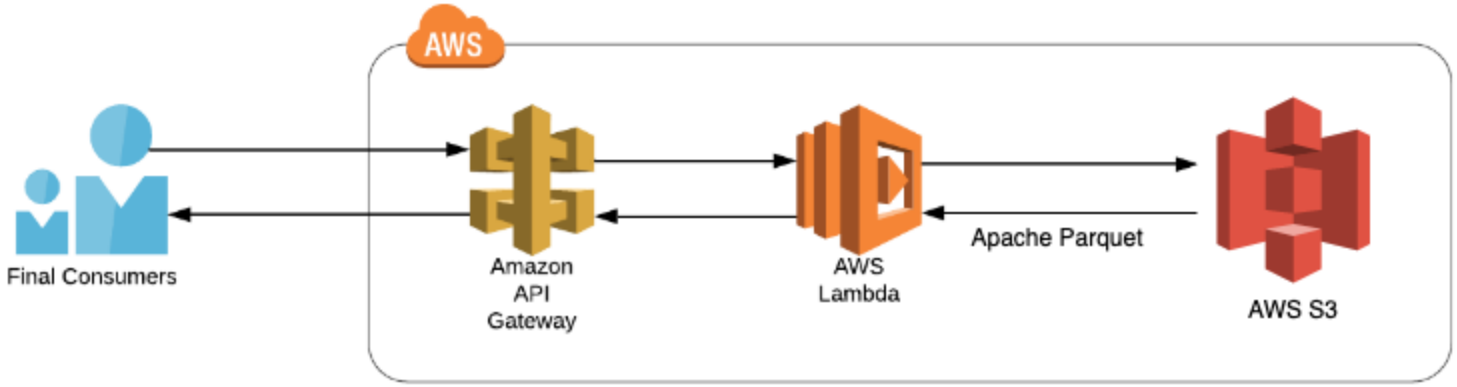
Typical architecture



This architecture



Applied architecture



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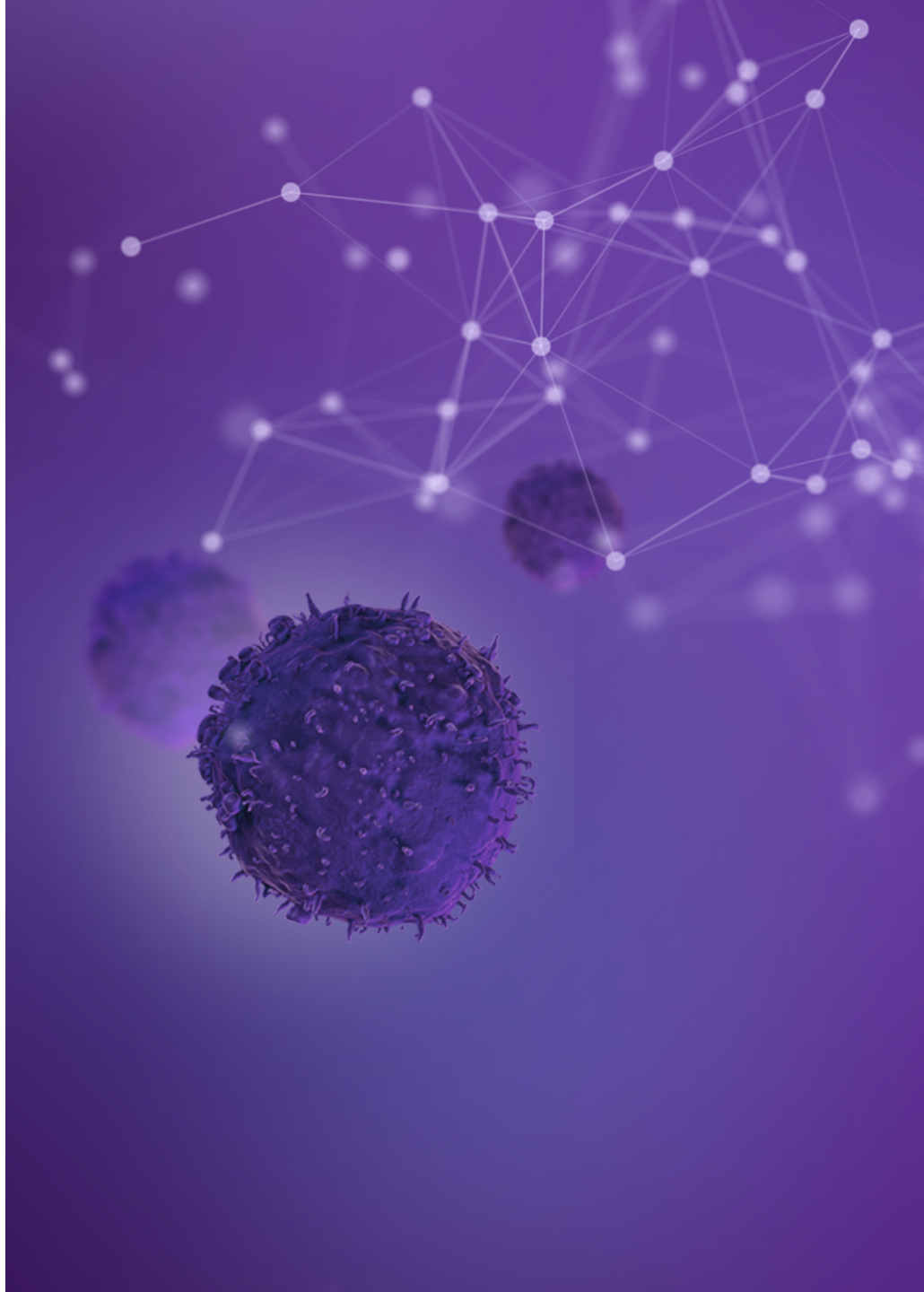

Setting account permissions to use CloudWatch Logs
https://gist.github.com/villasv/4f5b62a772abe2c06525356f80299048

Similar scope, using SAM
https://www.andmore.dev/blog/build-serverless-api-with-no-lambda/

Using GUI from amazon
https://aws.amazon.com/blogs/compute/using-amazon-api-gateway-as-a-proxy-for-dynamodb/

Polish GUI article
https://chmurowisko.pl/serverless-bezposredni-dostep-do-dynamodb-z-api-gateway/

Using GUI

https://medium.com/@likhita507/using-api-gateway-to-get-data-from-dynamo-db-using-without-using-aws-lambda-e51434a4f5a0

Useful article with similar example but many errors in yaml

https://itnext.io/setting-up-api-gateway-with-dynamodb-using-cloudformation-a8ab3e70f494

Examples from AWS

https://docs.aws.amazon.com/apigateway/latest/developerguide/api-gateway-swagger-extensions-integration.html

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