

NEWSLETTER

SLS/5/09/2022

SLS API GENERATOR

WHY SLS API GENERATOR?

In cloud-based app development, one of the major tasks is to configure/develop API so that we can connect our backend to the front end. Writing code for these microservices(API) can be time-consuming and tedious.

Hence to tackle this DRY(don't repeat yourself) problem use SLS API Generator, a tool that can give you Serverless Code Templates files along with Unit test cases according to your requirement. With which you can create microservices for a well-defined entity quickly



How to use it? CLI-based approach:

- ☐ Pull the latest from the repository.
- ☐ Run `python3 sls_api_generator.py`. Follow the inputs.
- ☐ The service-specific folder is generated. Copy that to your project repo.
- ☐ Include the service-specific pipeline code from the pipeline file (`.gitlab-ci.yml`) to your main pipeline file.
- ☐ Copy the common code from the service-specific folder and remove that from within the service-specific folder.

Primary Benefits of SLS API

- ☐ Fast Development Time / Integration Time.
- ☐ Easy to modify templates as per the requirement.
- ☐ Pre-written test cases save unit testing time.
- ☐ Maintains code uniformity and standardization.
- ☐ Clean Optimized written code that adheres to coding standards and norm DRY

Who all are going to use this?

- Cloud Developers
- Backend Developers
- Software Engineers

Git Clone Link: <https://gitlab.com/applied-ai-consulting/sls-api-generator.git>



API-based approach:

- ☐ Generate your code using a CREATE call along with a specified payload.
- ☐ You can check the status of your request using the GET status call.
- ☐ Once the status is changed to success you can get an S3 pre-signed URL to download the code zip using GET S3 pre-signed link call. (valid for 15 mins)
- ☐ To view your previous request by you and also within the same organization use the GET list call.
- ☐ To delete the request you can use the DELETE c

API Path: www.api-slsapigen.dev.marxeed.com/slsapigen

Check here: https://lucid.app/lucidchart/d-dc4072d-30c5-45a9-9d6f-9d3ef0a92c33/edit?invitationId=inv_9a4846a5-387f-43c1-9587-a9b7489143d9

Check here: https://lucid.app/lucid-chart/3062edd2-bc99-49c5-9d90-ca57f53d40e2/edit?invitationId=inv_267709d5-f7fe-41d7-ad0d-9fd367e761da

What is the SLS API Generator?

A tool with a CLI or API that users can use to create and deploy microservices for a certain entity. It generates Serverless Code files for API calls with unit tests and a CI/CD Pipeline code to deploy itself.

Users can modify the code for the business logic and then deploy it.

Recent Additions in SLS API?

SLS API can be accessed using API as mentioned above instead of CLI for ease of use.

Upcoming Features?

A web app with a UI interface will be deployed soon that can be used to access the SLS API Generator using a UI.



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