Serverless Framework

Deploy Lambda from YAML

CONCEPTS

sls is a short alias for serverless. Every command reads serverless.yml in the current folder and defaults to stage dev.

serverless.yml functions + events
↓ package
.serverless/ zips + CloudFormation
↓ deploy
CloudFormation stack Lambda, API, IAM
↓ invoke / logs
Running service per stage and region

A stage (--stage) is a separate full copy of the stack, e.g. dev, staging, prod. Region comes from --region or provider.region.

ACCOUNT

serverless login
Sign in and pick the default org

serverless *<command>* **--help**
Show help for one command

DEPLOY

serverless deploy
Deploy the whole service

serverless deploy --stage *<stage>* **--region** *<region>*
Deploy to another stage or region

serverless deploy --verbose
Show stack events and outputs

serverless deploy --package *<dir>*
Deploy a pre-built package

serverless deploy function -f *<fn>*
Upload one function's code only

PACKAGE

serverless package
Build artifacts without deploying

INVOKE

serverless invoke -f *<fn>*
Call the deployed function

serverless invoke -f *<fn>* **--log**
Also print the invocation log

INVOKE (cont.)

serverless invoke -f *<fn>* **-d** '*<json>*'
Pass an inline event

serverless invoke -f *<fn>* **-p** *<file>*
Pass an event from a JSON file

LOCAL

serverless invoke local -f *<fn>*
Run a function on your machine

serverless invoke local -f *<fn>* **-p** *<file>*
Use an event file

serverless invoke local -f *<fn>* **-d** '*<json>*'
Use an inline event

serverless dev
Run deployed functions on local code

LOGS

serverless logs -f *<fn>*
Show the last 10 minutes of logs

serverless logs -f *<fn>* **-t**
Tail logs live

serverless logs -f *<fn>* **--startTime** *<time>*
Logs since 30m, 2h, 3d or a date

serverless logs -f *<fn>* **--filter** *<text>*
Only lines containing a pattern

INSPECT

serverless info
Show endpoints and functions

serverless print
Show config with variables resolved

ROLLBACK AND REMOVE

serverless rollback -t *<timestamp>*
Return to a past deployment

serverless remove
Delete the service from AWS

serverless remove --stage *<stage>* **--region** *<region>*
Delete one stage