

Lambda Functions Cheatsheet

AWS CLI

Lambda Commands

aws lambda list-functions

List all Lambda functions in your account

**aws lambda get-function --function-name
FUNCTION_NAME**

Get detailed information about a specific function

**aws lambda invoke --function-name
FUNCTION_NAME --payload '{"key":"value"}'
response.json**

Invoke a Lambda function with a JSON payload

**aws lambda update-function-code --function-name
FUNCTION_NAME --zip-file file://function.zip**

Update a function's code

**aws lambda update-function-configuration --
function-name FUNCTION_NAME --timeout 30**

Update a function's configuration

**aws lambda get-function-configuration --function-
name FUNCTION_NAME**

Get function configuration details

**aws lambda delete-function --function-name
FUNCTION_NAME**

Delete a Lambda function

AWS CloudWatch Logs for Lambda

**aws logs describe-log-groups --log-group-name-
prefix /aws/lambda/**

List Lambda log groups

**aws logs get-log-events --log-group-name /aws/
lambda/FUNCTION_NAME --log-stream-name
STREAM_NAME**

Get logs from a specific stream

**aws logs filter-log-events --log-group-name /aws/
lambda/FUNCTION_NAME --filter-pattern "ERROR"**

Filter logs for a pattern

AWS Lambda Monitoring

**aws cloudwatch get-metric-statistics --namespace
AWS/Lambda --metric-name Invocations --
dimensions**

**Name=FunctionName,Value=FUNCTION_NAME --
start-time START_TIME --end-time END_TIME --
period 3600 --statistics Sum**

Get invocation metrics

**aws cloudwatch get-metric-statistics --namespace
AWS/Lambda --metric-name Errors --dimensions
Name=FunctionName,Value=FUNCTION_NAME --
start-time START_TIME --end-time END_TIME --
period 3600 --statistics Sum**

Get error metrics

**aws cloudwatch get-metric-statistics --namespace
AWS/Lambda --metric-name Duration --dimensions
Name=FunctionName,Value=FUNCTION_NAME --
start-time START_TIME --end-time END_TIME --
period 3600 --statistics Average**

Get execution duration metrics

AWS X-Ray for Lambda

**aws lambda update-function-configuration --
function-name FUNCTION_NAME --tracing-config
Mode=Active**

Enable X-Ray tracing for a Lambda function

**aws xray get-service-graph --start-time
START_TIME --end-time END_TIME**

Get service graph data

**aws xray batch-get-traces --trace-ids TRACE_ID_1
TRACE_ID_2**

Get specific traces by ID

AWS SAM CLI for Local Testing

**sam init --runtime python3.9 --name my-lambda-
function**

Initialize a new Lambda function project

sam local invoke FUNCTION_NAME -e event.json

Invoke Lambda function locally with event data

sam local start-api

Start local API Gateway to test Lambda functions

**sam logs -n FUNCTION_NAME --stack-name
STACK_NAME --tail**

Tail Lambda logs