

Beginning AWS Lambda

Learn to write AWS Lambda Functions in Python

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Schedule

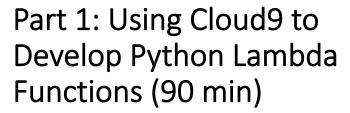
- Part 1: Using Cloud9 to Develop Python Lambda Functions (90 min)
- QA (15 min)
- Break (15 min)
- Part 2: Creating Timed Lambdas (45 min)
- QA (10 min)
- Break (5 min)
- Part 3: Creating Event-Driven Lambdas (45 min)
- QA (15 min)

Survey: Experience with AWS

- Novice (No experience)
- Beginner (< 1 Year)
- Intermediate (1-3 Years)
- Advanced (3+ Years)

Survey: Experience with Python

- Novice (No experience)
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- Intermediate (1-3 Years)
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- Developing with Cloud9
- Launching Cloud9 and Workspace Configuration
- Creating and Deploying Lambda functions
- Importing Lambda functions
- Invoking Lambda functions
- Invoking Lambda function inside API Gateway



```
🔻 🙎 Kead Write
 91
                                                                                                                             RW
 92
     const handlersp = {
                                                                                                                            RW
                                                                                        ▶ ● rob (online)
 93
          'LaunchRequest': function () {
                                                                                        ▼ Group Chat
 94
               this.emit('GetFact');
 95
                                                                                           Chat history is stored on the environment and can be both read and
          'GetNewFactIntent': function () {
 96
                                                                                                     modified by ReadWrite members.
 97
              this.emit('GetFact');
 98
 99
100
101
102
          'GetFact': function () {
103
              // Get a random space fact from the space facts list
                                                                                        Ok. I've fixed the variables. Let's test it
104
              // Use this.t() to get corresponding language data
              const factArr = this.t('FACTS');
105
                                                                                        thanks, before testing i want to show it to Rob real quick
              const factIndex = Math.floor(Math.rancom() * factArr.length);
106
107
               const randomFact = factArr[factIndex];
                                                                                        Looks ok. I don't see my Star trek facts though
108
109
              // Create speech output
              const speechOutput = this.t('GET_FACT_MESSAGE') + randomFact;
110
111
               this.emit(':tellWithCard', speechOutput, this.t('SKILL_NAME'),
112
          'AMAZON.HelpIntent': function () {
113
114
              const speechOutput = this.t('HELP_MESSAGE');
115
               const reprompt = this.t('HELP_MESSAGE');
              this.emit(':ask', speechOutput, reprompt):
116
117
```

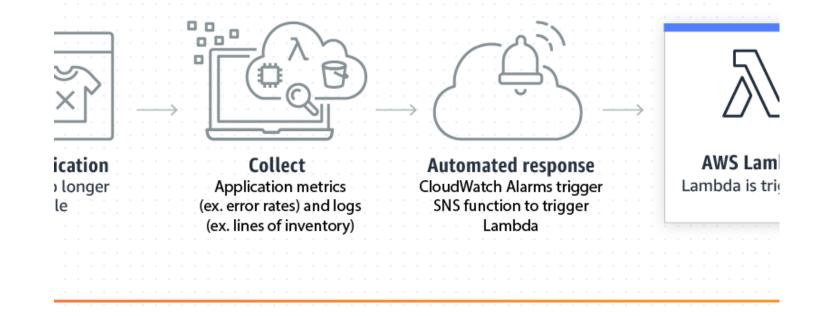


QA & Break Part 1

QA (15 min)
 Break (15 min)

Part 2: Creating Timed Lambdas (45 min)

- Using AWS Lambda with Cloudwatch Events
- Using AWS Lambda to populate AWS SQS (Simple Queuing Service)
- Using AWS Cloudwatch logging with AWS Lambda



QA and Break Part 2

QA (10 min) Break (5 min)

Part 3: Creating Event-Driven Lambdas (45 min)

Triggering

Triggering AWS
Lambda with AWS
SQS Events

Reading

Reading AWS SQS Events from AWS Lambda

Writing

Writing results to AWS DynamoDB

Related Safari Properties

- Pragmatic AI (Book)
- Essential Machine Learning and AI (Video)
- AWS Certified Machine Learning-Specialty (Video)
- Essential Machine Learning and Pragmatic Al (Learning Path)
- Python for Data Science (Video)-Coming Soon
- AWS Certified Big Data-Speciality (Video)-Coming Soon

