AWS re:Invent

DECEMBER 2 – 6, 2024 | LAS VEGAS, NV

API217

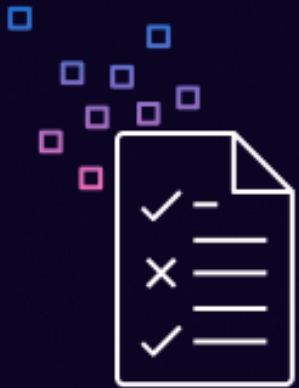# Building state machines with AWS Step Functions Workflow Studio

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Use cases for AWS Step Functions

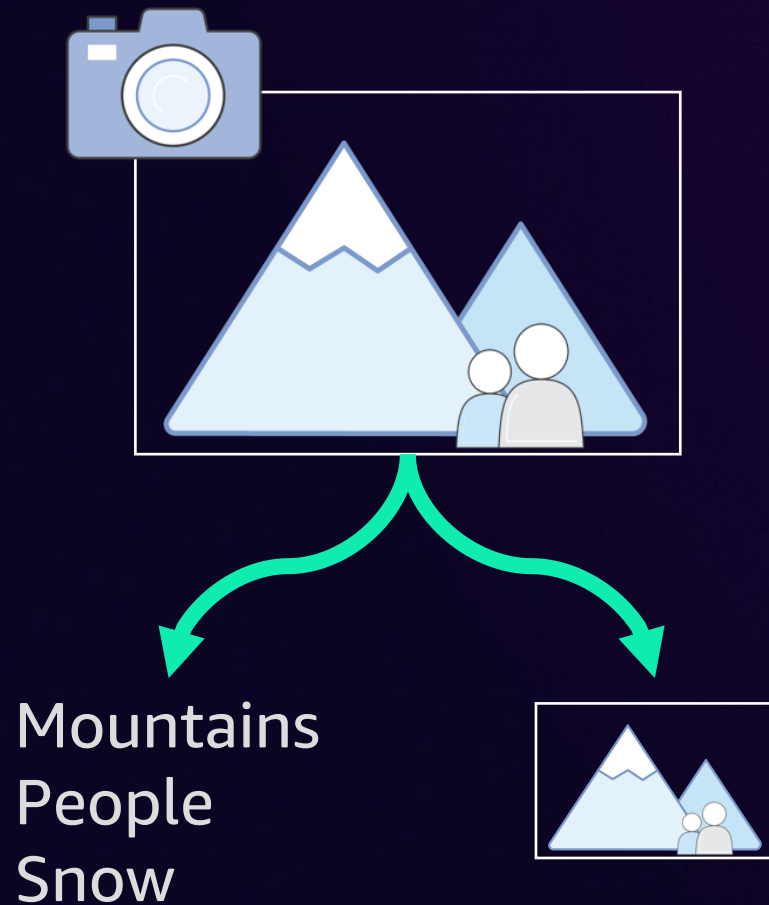Data processing

IT and security automation

Machine learning

Microservice orchestration
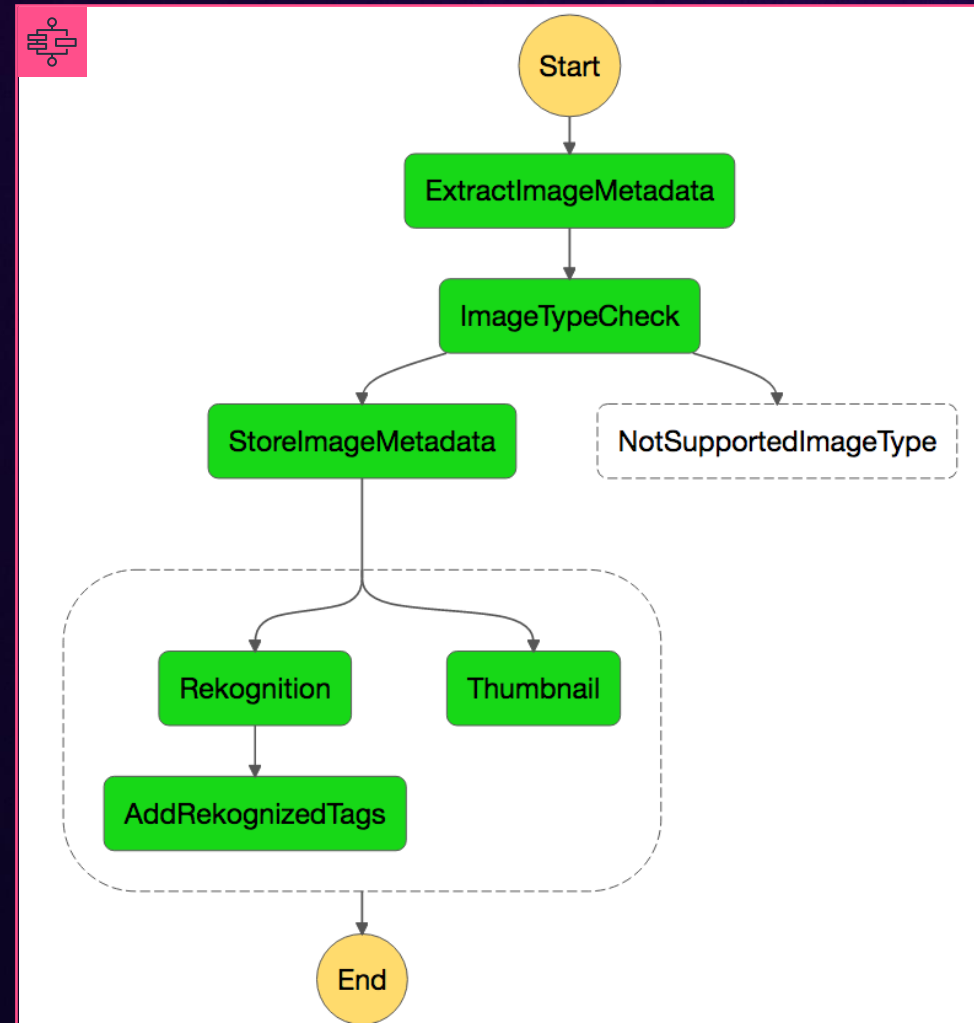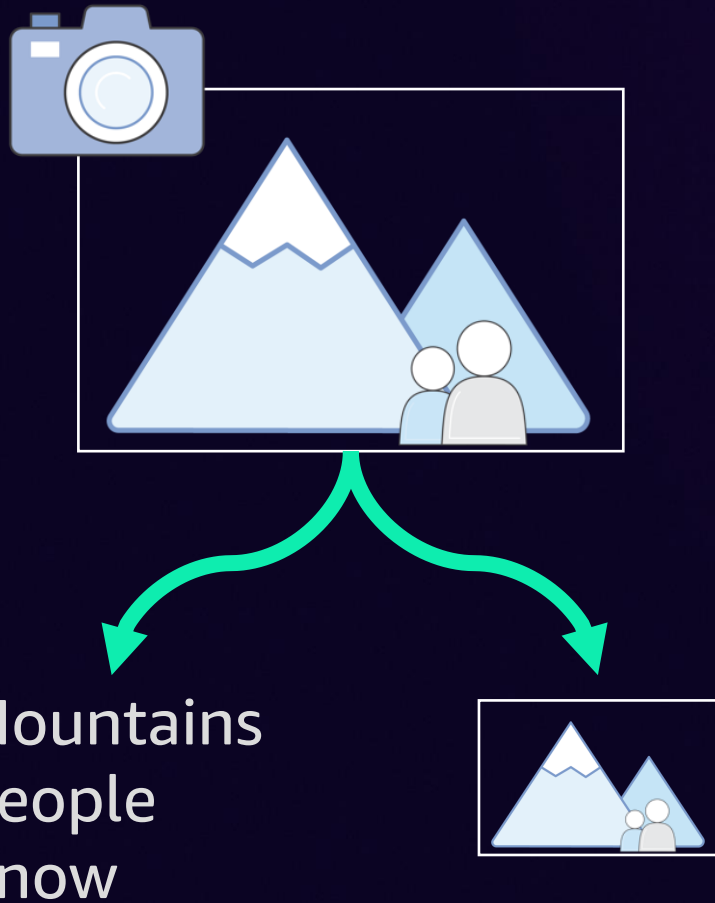
An image processing workflow

- Make a thumbnail
- Identify features
- Store image metadata

Mountains
People
Snow

Amazon States Language

```json
{
  "Comment": "An example of the Amazon States Language using a choice state.",
  "StartAt": "FirstState",
  "States": {
    "FirstState": {
      "Type": "Task",
      "Resource": "arn:aws:lambda:us-east-1:123456789012:function:FUNCTION_NAME",
      "Next": "ChoiceState"
    },
    "ChoiceState": {
      "Type" : "Choice",
      "Choices": [ {
        "Variable": "$.foo",
        "NumericEquals": 1,
        "Next": "FirstMatchState"
      },
      {
        "Variable": "$.foo",
        "NumericEquals": 2,
        "Next": "SecondMatchState"
      } ]
    }
  }
}
```

https://states-language.net/spec.html

Build workflows using eight state types

Mountains
People
Snow

Let's see it

Resources

The AWS Step Functions Workshop (L200)

https://catalog.workshops.aws/stepfunctions

Thank you!

Ben Moses

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