# **Amazon Rekognition**

**Amazon Rekognition** is a fully managed, deep-learningbased image recognition service. The service can detect things, or labels, in an image.



Amazon Rekognition

# **Image API operations**

- CompareFaces
- DetectFaces
- DetectLabels
- DetectModerationLabels
- DetectProtectiveEquipment
- DetectText
- RecognizeCelebrities



#### **DetectFaces**



```
"FaceDetails": [
        "BoundingBox": ...
        "AgeRange": ...
        "Smile": ...
        "Gender": ...
        "Beard": ...
        "EyesOpen": ...
        "MouthOpen": ...
        "Emotions": [ CALM, ... ]
        "Landmarks": [ eyeLeft, eyeRight, .. ]
        ...
```

## **DetectLabels**



```
"Labels": [
            "Name": "Bridge",
            "Confidence": 99.77983856201172,
            "Instances": ...,
            "Parents": ...
            "Name": "Building",
            "Name": "Architecture",
```

## **DetectModerationLabels**



```
"ModerationLabels": [
        "Confidence": 96.25340270996094,
        "Name": "Alcoholic Beverages",
        "ParentName": "Alcohol"
   },
        "Confidence": 96.25340270996094,
        "Name": "Alcohol",
        "ParentName": ""
"ModerationModelVersion": "5.0"
```

#### **Video API operations**

- GetCelebrityRecognition
- GetContentModeration
- GetFaceDetection
- GetFaceSearch
- GetLabelDetection
- · GetPersonTracking
- GetSegmentDetection
- GetTextDetection

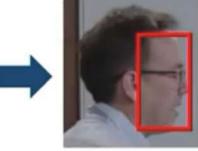


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### **IndexFaces**





Imageld: 5aab94af... Faceld: e8a99ba0...



Imageld: 5aab94af... Faceld: 7ec5338e...







Imageld: b88aaa3a... Faceld: 56d0b44c...



Imageld: b88aaa3a... Faceld: b88aaa3a...



Imageld: b88aaa3a... Faceld: 1ce66fb7...

#### SearchFaces and SearchFacesByImage



SearchFaces CollectionId: techs FaceId: e8a99ba0...



SearchFacesByImage CollectionId: techs Image: Oxfac...



Imageld: b88aaa3a... Faceld: 1ce66fb7...



Imageld: 5aab94af... Faceld: e8a99ba0...



Imageld: b88aaa3a... Faceld: 1ce66fb7...



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## CreateDataset and DetectCustomLabels

