Cloudy Vision Output

Cloudy Vision is a tool to help compare computer vision API vendors. [See this blog post](https://goberoi.com/comparing-the-top-five-computer-vision-apis-98e3e3d7c647) and the [Github page](https://github.com/goberoi/cloudy_vision) for details.

Results Summary

**On Mar 07, 2018, 10 images were processed across 1 vendors**: rekognition.

A thumbnail of each image is displayed (click to see it fullsize) along with results from each computer vision API vendor.   
[Statistics on response times](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\output.html#statistics) and more are at the bottom of the page.

image\_accordion.jpg

desired\_tags: accordion

[](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\input_images\image_accordion.jpg)

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_accordion.jpg.rekognition.json) (1.48s) |
| **rekognition\_tags** | Accordion (.98) , Leisure Activities (.98) , Music (.98) , Musical Instrument (.98) , Console (.88) , Electronics (.88) |
| **rekognition\_matching\_tags** | Accordion (.98) |

image\_airplanes.jpg

desired\_tags: airplanes

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_airplanes.jpg.rekognition.json) (.60s) |
| **rekognition\_tags** | Aircraft (.85) , Airliner (.85) , Airplane (.85) , Transportation (.85) ,Jet (.77) , Takeoff (.72) |
| **rekognition\_matching\_tags** |  |

image\_anchor.jpg

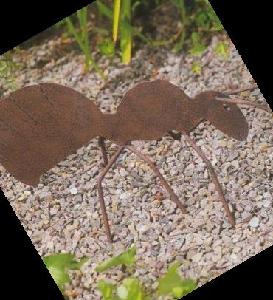
desired\_tags: anchor

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_anchor.jpg.rekognition.json) (1.22s) |
| **rekognition\_tags** | Human (.99) , People (.99) , Person (.99) , Clothing (.72) , Denim(.72) , Jeans (.72) , Pants (.72) , Flora (.63) , Grass (.63) , Plant(.63) , Hat (.55) , Backyard (.53) , Outdoors (.53) , Yard (.53) , Cap(.51) , Park (.51) |
| **rekognition\_matching\_tags** |  |

image\_ant.jpg

desired\_tags: ant

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_ant.jpg.rekognition.json) (.90s) |
| **rekognition\_tags** | Animal (.98) , Butterfly (.98) , Insect (.98) , Invertebrate (.98) ,Moth (.98) , Pebble (.96) , Rock (.65) , Cobblestone (.60) , Path(.60) , Pavement (.60) , Sidewalk (.60) , Walkway (.60) ,Mountain (.52) , Nature (.52) , Outdoors (.52) , Flora (.51) , Moss(.51) , Plant (.51) |
| **rekognition\_matching\_tags** | Plant (.51) |

image\_barrel.jpg

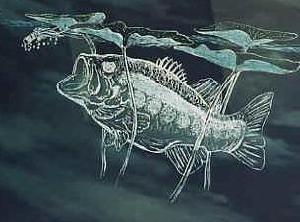
desired\_tags: barrel

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_barrel.jpg.rekognition.json) (.90s) |
| **rekognition\_tags** | Barrel (.74) |
| **rekognition\_matching\_tags** | Barrel (.74) |

image\_bass.jpg

desired\_tags: bass

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_bass.jpg.rekognition.json) (.84s) |
| **rekognition\_tags** | Animal (.81) , Sea Life (.81) |
| **rekognition\_matching\_tags** |  |

image\_beaver.jpg

desired\_tags: beaver

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_beaver.jpg.rekognition.json) (1.13s) |
| **rekognition\_tags** | Animal (.96) , Mammal (.96) , Porcupine (.96) , Rodent (.96) |
| **rekognition\_matching\_tags** |  |

image\_binocular.jpg

desired\_tags: binocular

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_binocular.jpg.rekognition.json) (1.06s) |
| **rekognition\_tags** | Binoculars (.81) , Architecture (.54) , Building (.54) , City (.51) ,Town (.51) , Urban (.51) , Downtown (.51) |
| **rekognition\_matching\_tags** | Binoculars (.81) |

image\_bonsai.jpg

desired\_tags: bonsai

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_bonsai.jpg.rekognition.json) (.99s) |
| **rekognition\_tags** | Bonsai (.99) , Flora (.99) , Jar (.99) , Plant (.99) , Potted Plant(.99) , Pottery (.99) , Tree (.99) , Vase (.99) , Bowl (.76) , Weed(.58) , Furniture (.51) , Tabletop (.51) , Moss (.51) |
| **rekognition\_matching\_tags** | Bonsai (.99) |

image\_brain.jpg

desired\_tags: brain

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| **rekognition** | [View raw json](file:///C:\Users\lmunroe\Documents\1.%20Projects\AI%20Disruptor\API_Benchmarking\cloudy_vision\output\%20image_brain.jpg.rekognition.json) (.82s) |
| **rekognition\_tags** | Ct Scan (.56) , X-Ray (.56) |
| **rekognition\_matching\_tags** |  |

Stats

On time taken, and number of tags returned. Note that Cloudsight returns captions, not a list of tags, so those counts appear as zero.

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| **Vendor** | **mean\_response\_time** | **stdev\_response\_time** | **mean\_tags\_count** | **stdev\_tags\_count** | **mean\_matching\_tags\_count** | **stdev\_matching\_tags\_count** | **mean\_matching\_confidence** | **stdev\_matching\_confidence** |
| **rekognition** | 0.99 | 0.23 | 7.50 | 5.77 | 0.50 | 0.50 | 0.40 | 0.42 |