**Azure and Node.js**

* **Node.js Tutorial**

<https://www.w3schools.com/nodejs/default.asp>

* **Azure for Node.js Developers („complex“ samples)**

<https://docs.microsoft.com/en-us/javascript/azure/?view=azure-node-latest>

* **Quickstart: Use Node.js to call the Bing Web Search API (Tutorial)**

<https://docs.microsoft.com/en-us/azure/cognitive-services/bing-web-search/quickstarts/nodejs>

* **Quickstart für node.js to call the Text Analytics Cognitive Service(Tutorial)**

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/quickstarts/nodejs>

* **Text Analytics mit Power BI (Tutorial)**

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/tutorials/tutorial-power-bi-key-phrases>

* **Azure Cognitive Services modules for Node.js | Microsoft Docs**

<https://docs.microsoft.com/en-us/javascript/api/overview/azure/cognitive-services?view=azure-node-latest>

<https://docs.microsoft.com/en-us/javascript/api/overview/azure/cognitive-services>

<https://docs.microsoft.com/en-us/javascript/api/overview/azure/cognitive-services?view=azure-node-latest>

* **Azure for Node.js Developers**

<https://docs.microsoft.com/en-us/javascript/azure/?view=azure-node-latest>

* **Bing websearch query for node.js**

<https://docs.microsoft.com/en-us/azure/cognitive-services/bing-web-search/quickstarts/nodejs>

* **Cognitive Services**
  + **Startseite** 
    - (deutsch)

<https://azure.microsoft.com/de-de/services/cognitive-services/>

* + - (englisch)

<https://westus.dev.cognitive.microsoft.com/docs/services/>

* + **Doku und API** 
    - (deutsch)

<https://docs.microsoft.com/de-de/azure/cognitive-services/>

* + - (englisch)

<https://docs.microsoft.com/en-us/azure/cognitive-services/>

* + **Azure Cognitive Modules for Node.js**

<https://docs.microsoft.com/en-us/javascript/api/overview/azure/cognitive-services?view=azure-node-latest>

* + **Translator Text**

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/>

* + **Translator Speech API**

<https://www.microsoft.com/en-us/translator/speech.aspx>

* + **Custom Speech**

<https://azure.microsoft.com/en-us/services/cognitive-services/custom-speech-service/>

* + - Speech Recognition

<https://docs.microsoft.com/de-de/azure/cognitive-services/speech/home#speech-to-text-speech-recognition>

* + **Text Analytics**
    - What is Text Analytics V 2.0

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/overview>

* + - Text Anlytics API

<https://westus.dev.cognitive.microsoft.com/docs/services/TextAnalytics.V2.0/operations/56f30ceeeda5650db055a3c7>

* + - Text Analytics with PowerBI

<https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/tutorials/tutorial-power-bi-key-phrases>

* **Computer Vision: OCR, Simple Example**

This sample extracts text from an image and returns the text in JSON-Format

// var http = require("http");

// npm install microsoft-computer-vision

// npm install file-system

var fs = require('file-system');

const microsofComputerVision = require("microsoft-computer-vision");

fs.readFile(**'C:/Test/IMG\_9787.JPG'**, (err, img\_data) => {

if (err) throw err;

console.log('read file successful');

microsofComputerVision.orcImage({

"Ocp-Apim-Subscription-Key": **"xxx",**

**"request-origin":"westeurope",**

"content-type": "application/octet-stream",

"body": img\_data,

"language": "unk",

"detect-orientation": true

}).then((data)=>{

console.log(JSON.stringify(data));

// etxract pure wording

var long\_text = '';

for (j in data.regions) {

for ( i in data.regions[j].lines) {

for (m in data.regions[j].lines[i].words) {

long\_text += (String(data.regions[j].lines[i].words[m].text) ) + ' ';

}

long\_text += '\n'; // new line

}

}

console.log (long\_text);

}).catch((err)=>{

throw err;

})

});