**Select visual features to meet image processing requirements**

**What is Image Analysis?**

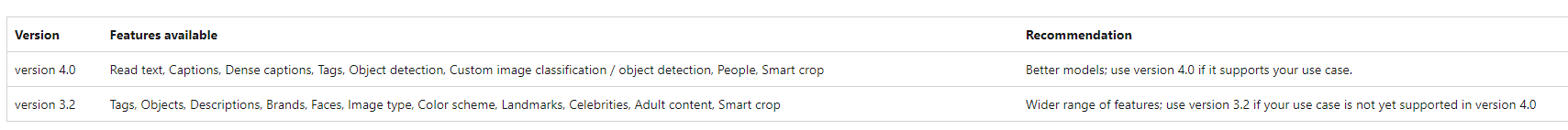
The Azure AI Vision Image Analysis service can extract a wide variety of visual features from your images. For example, it can determine whether an image contains adult content, find specific brands or objects, or find human faces.

The latest version of Image Analysis, 4.0, which is now in general availability, has new features like synchronous OCR and people detection. We recommend you use this version going forward.

You can use Image Analysis through a client library SDK or by calling the [REST API](https://aka.ms/vision-4-0-ref). Or, you can try out the capabilities of Image Analysis quickly and easily in your browser using Vision Studio.

**Image Analysis versions**

Select the Image Analysis API version that best fits your requirements.



We recommend you use the Image Analysis 4.0 API if it supports your use case. Use version 3.2 if your use case is not yet supported by 4.0.

You'll also need to use version 3.2 if you want to do image captioning, and your Vision resource is outside the supported Azure regions. The image captioning feature in Image Analysis 4.0 is only supported in certain Azure regions. Image captioning in version 3.2 is available in all Azure AI Vision regions.

**Analyze Image**

You can analyze images to provide insights about their visual features and characteristics. All of the features in this table are provided by the Analyze Image API.

A close-up of a text

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A close-up of a person

Description automatically generated

A screenshot of a computer

Description automatically generated

**Input requirements**

Image Analysis works on images that meet the following requirements:

**Version 4.0**

* The image must be presented in JPEG, PNG, GIF, BMP, WEBP, ICO, TIFF, or MPO format
* The file size of the image must be less than 20 megabytes (MB)
* The dimensions of the image must be greater than 50 x 50 pixels and less than 16,000 x 16,000 pixels

**Version 3.2**

* The image must be presented in JPEG, PNG, GIF, or BMP format
* The file size of the image must be less than 4 megabytes (MB)
* The dimensions of the image must be greater than 50 x 50 pixels and less than 16,000 x 16,000 pixels

**Region availability**

To use the Image Analysis APIs, you must create your Azure AI Vision resource in a supported region. The Image Analysis features are available in the following regions:

A screenshot of a computer

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