

# How To: Generate Onsight Computer Vision Document Links for OCR, Barcodes & QR Codes

**Computer Vision Document Links** for Optical Character Recognition (OCR) and Quick Response (QR) codes is a service option that is available within your **Onsight Connect** license. When Computer Vision Document Links is enabled for your account, you can use your camera to take a picture of barcodes to access information for that asset. When enabled, for your domain, this feature will use Artificial Intelligence (AI) to detect text from barcodes, QR codes and OCR, save the metadata with the asset and give the user the option of launching a document link for matching patterns.

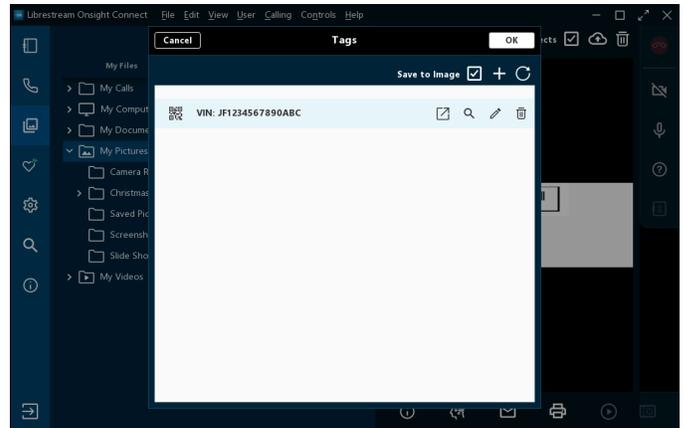


Figure 1. Result from Running Computer Vision on a Barcode

## Regex

The Document Links feature can make use of regular expressions commonly referred to as the Regex language or **Regex**. Regex can process text for pattern matching, recognition and validation. For example, Regex can detect specific letter and number combinations that are recognized as a company's part number, Vehicle Identification Number (VIN) etc. Regex can then filter-out content using logic to determine which number, from a series of numbers is the actual part number or VIN. Furthermore, the recognized number can be associated to a document link when inserted as part of an URL. Click the **Document Link**  icon to launch a web browser and navigate to the website address associated with the identified pattern.

You must enable **Client Policy > Artificial Intelligence** settings by enabling and populating content within the **Document Link URL for OCR, barcodes, and QR codes** field. You can also add a regular expression to follow the web address.

## Requirements

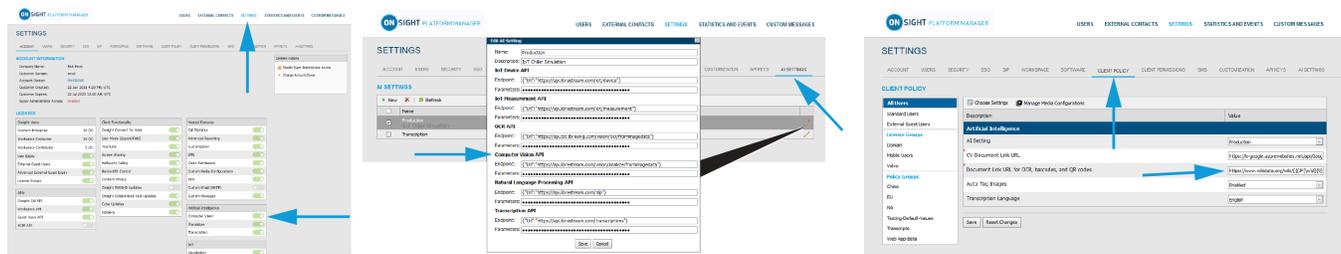


Figure 2. OPM License & Client Policy Requirements

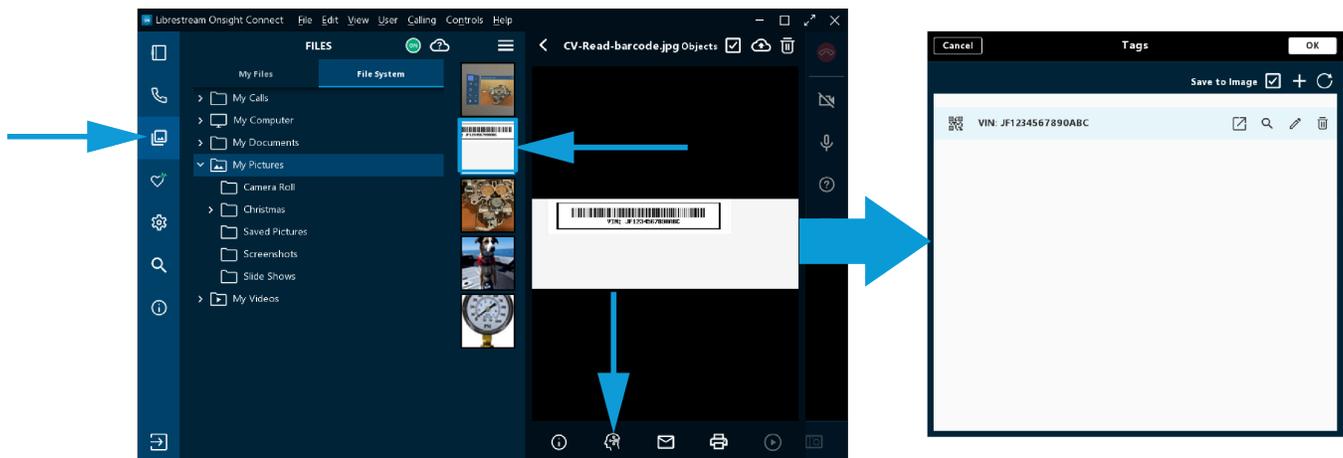
**Computer Vision** document links for Optical Character Recognition (OCR) and Quick Response (QR) codes requires:

1. An **Artificial Intelligence > Computer Vision** license must be enabled for **Onsight Platform Manager** within the **Settings** page.
2. An **AI Setting** must be enabled that includes **Computer Vision API** and **Endpoint** and **Parameters**.
3. **Client Policy** must:
  - Reference an **AI Setting**.
  - Reference **CV Document Link URL** values
  - Reference **Document Link URL for OCR, barcodes, and QR codes** values with the option to include a regular expression using **Regex**.



**Note:** Please contact [support@librestream.com](mailto:support@librestream.com) to ensure you have the correct **AI Settings** that include the latest **Endpoint** and **Parameters** . Support can also verify that your **Client Policy** is set up with the correct values.

## Access Computer Vision Functions



**Figure 3. Run Computer Vision on a Barcode**

Launch **Onsight Connect** and login.

1. Take a picture of an asset with your camera that contains a barcode.
2. Click the **Files** within the Left toolbar to access **My Files** or your **File System**.
3. Browse to locate and select your photo.
4. Run **Computer Vision** on an image with a barcode, QR code or text to apply labels and use regular expressions for pattern matching and filtering content capability.

After successfully running **Computer Vision** on a barcode

or QR code, a barcode icon displays next to the number. Additional functionality is accessible:

1. Click the **Document Link** icon to launch and open a web page with the identified patterns.
2. Click the **Search** icon to search for references.
3. Click **Edit** icon to modify the tag name as text.
4. Click **Delete** to remove all object information and metadata.

### Related information

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