

tf.image.pad_to_bounding_box

```
pad_to_bounding_box(  
    image,  
    offset_height,  
    offset_width,  
    target_height,  
    target_width  
)
```

Defined in [tensorflow/python/ops/image_ops_impl.py](#).

See the guide: [Images > Cropping](#)

Pad **image** with zeros to the specified **height** and **width**.

Adds **offset_height** rows of zeros on top, **offset_width** columns of zeros on the left, and then pads the image on the bottom and right with zeros until it has dimensions **target_height**, **target_width**.

This op does nothing if **offset_*** is zero and the image already has size **target_height** by **target_width**.

Args:

- **image**: 4-D Tensor of shape **[batch, height, width, channels]** or 3-D Tensor of shape **[height, width, channels]**.
- **offset_height**: Number of rows of zeros to add on top.
- **offset_width**: Number of columns of zeros to add on the left.
- **target_height**: Height of output image.
- **target_width**: Width of output image.

Returns:

If **image** was 4-D, a 4-D float Tensor of shape **[batch, target_height, target_width, channels]** If **image** was 3-D, a 3-D float Tensor of shape **[target_height, target_width, channels]**

Raises:

- **ValueError**: If the shape of **image** is incompatible with the **offset_*** or **target_*** arguments, or either **offset_height** or **offset_width** is negative.

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