

## tf.image.crop\_to\_bounding\_box

```
crop_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](#)

Crops an image to a specified bounding box.

This op cuts a rectangular part out of `image`. The top-left corner of the returned image is at `offset_height`, `offset_width` in `image`, and its lower-right corner is at `offset_height + target_height`, `offset_width + target_width`.

## Args:

- `image`: 4-D Tensor of shape `[batch, height, width, channels]` or 3-D Tensor of shape `[height, width, channels]`.
- `offset_height`: Vertical coordinate of the top-left corner of the result in the input.
- `offset_width`: Horizontal coordinate of the top-left corner of the result in the input.
- `target_height`: Height of the result.
- `target_width`: Width of the result.

## 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, or either `target_height` or `target_width` is not positive.

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