

## tf.image.resize\_image\_with\_crop\_or\_pad

```
resize_image_with_crop_or_pad(  
    image,  
    target_height,  
    target_width  
)
```

Defined in [tensorflow/python/ops/image\\_ops\\_impl.py](#).

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

Crops and/or pads an image to a target width and height.

Resizes an image to a target width and height by either centrally cropping the image or padding it evenly with zeros.

If `width` or `height` is greater than the specified `target_width` or `target_height` respectively, this op centrally crops along that dimension. If `width` or `height` is smaller than the specified `target_width` or `target_height` respectively, this op centrally pads with 0 along that dimension.

### Args:

- `image`: 4-D Tensor of shape `[batch, height, width, channels]` or 3-D Tensor of shape `[height, width, channels]`.
- `target_height`: Target height.
- `target_width`: Target width.

### Raises:

- `ValueError`: if `target_height` or `target_width` are zero or negative.

### Returns:

Cropped and/or padded image. If `images` was 4-D, a 4-D float Tensor of shape `[batch, new_height, new_width, channels]`. If `images` was 3-D, a 3-D float Tensor of shape `[new_height, new_width, channels]`.

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