

tf.image.resize_images

```
resize_images(  
    images,  
    size,  
    method=ResizeMethod.BILINEAR,  
    align_corners=False  
)
```

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

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

Resize `images` to `size` using the specified `method`.

Resized images will be distorted if their original aspect ratio is not the same as `size`. To avoid distortions see [tf.image.resize_image_with_crop_or_pad](#).

`method` can be one of:

- `ResizeMethod.BILINEAR`: [Bilinear interpolation](#).
- `ResizeMethod.NEAREST_NEIGHBOR`: [Nearest neighbor interpolation](#).
- `ResizeMethod.BICUBIC`: [Bicubic interpolation](#).
- `ResizeMethod.AREA`: Area interpolation.

The return value has the same type as `images` if `method` is `ResizeMethod.NEAREST_NEIGHBOR`. It will also have the same type as `images` if the size of `images` can be statically determined to be the same as `size`, because `images` is returned in this case. Otherwise, the return value has type `float32`.

Args:

- `images`: 4-D Tensor of shape `[batch, height, width, channels]` or 3-D Tensor of shape `[height, width, channels]`.
- `size`: A 1-D int32 Tensor of 2 elements: `new_height, new_width`. The new size for the images.
- `method`: `ResizeMethod`. Defaults to `ResizeMethod.BILINEAR`.
- `align_corners`: bool. If true, exactly align all 4 corners of the input and output. Defaults to `false`.

Raises:

- `ValueError`: if the shape of `images` is incompatible with the shape arguments to this function
- `ValueError`: if `size` has invalid shape or type.
- `ValueError`: if an unsupported resize method is specified.

Returns:

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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Last updated November 2, 2017.

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