

## tf.image.central\_crop

```
central_crop(  
    image,  
    central_fraction  
)
```

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

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

Crop the central region of the image.

Remove the outer parts of an image but retain the central region of the image along each dimension. If we specify `central_fraction = 0.5`, this function returns the region marked with "X" in the below diagram.

```
-----  
|       |  
|  XXXX  |  
|  XXXX  |  
|       |  
|       |  
-----
```

where "X" is the central 50% of the image.

### Args:

- `image`: 3-D float Tensor of shape [height, width, depth]
- `central_fraction`: float (0, 1], fraction of size to crop

### Raises:

- `ValueError`: if `central_crop_fraction` is not within (0, 1].

### Returns:

3-D float Tensor

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