# tf.image.encode_png

```
encode_png(
    image,
    compression=-1,
    name=None
)
```

Defined in `tensorflow/python/ops/gen_image_ops.py`.

See the guide: Images > Encoding and Decoding

PNG-encode an image.

`image` is a 3-D uint8 or uint16 Tensor of shape `[height, width, channels]` where `channels` is:

- 1: for grayscale.
- 2: for grayscale + alpha.
- 3: for RGB.
- 4: for RGBA.

The ZLIB compression level, `compression`, can be -1 for the PNG-encoder default or a value from 0 to 9. 9 is the highest compression level, generating the smallest output, but is slower.

## Args:

- `image`: A `Tensor`. Must be one of the following types: `uint8`, `uint16`. 3-D with shape `[height, width, channels]`.
- `compression`: An optional `int`. Defaults to `-1`. Compression level.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor` of type `string`. 0-D. PNG-encoded image.

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*Last updated November 2, 2017.*