

## 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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