

tf.contrib.gan.gan_train

```
gan_train(  
    train_ops,  
    logdir,  
    get_hooks_fn=get_sequential_train_hooks(),  
    master='',  
    is_chief=True,  
    scaffold=None,  
    hooks=None,  
    chief_only_hooks=None,  
    save_checkpoint_secs=600,  
    save_summaries_steps=100,  
    config=None  
)
```

Defined in [tensorflow/contrib/gan/python/train.py](#).

A wrapper around `contrib.training.train` that uses GAN hooks.

Args:

- `train_ops`: A GANTrainOps named tuple.
- `logdir`: The directory where the graph and checkpoints are saved.
- `get_hooks_fn`: A function that takes a GANTrainOps tuple and returns a list of hooks.
- `master`: The URL of the master.
- `is_chief`: Specifies whether or not the training is being run by the primary replica during replica training.
- `scaffold`: An `tf.train.Scaffold` instance.
- `hooks`: List of `tf.train.SessionRunHook` callbacks which are run inside the training loop.
- `chief_only_hooks`: List of `tf.train.SessionRunHook` instances which are run inside the training loop for the chief trainer only.
- `save_checkpoint_secs`: The frequency, in seconds, that a checkpoint is saved using a default checkpoint saver. If `save_checkpoint_secs` is set to `None`, then the default checkpoint saver isn't used.
- `save_summaries_steps`: The frequency, in number of global steps, that the summaries are written to disk using a default summary saver. If `save_summaries_steps` is set to `None`, then the default summary saver isn't used.
- `config`: An instance of `tf.ConfigProto`.

Returns:

Output of the call to `training.train`.

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