tf.contrib.framework.VariableDeviceChooser

Class **VariableDeviceChooser**

Defined in `tensorflow/contrib/framework/python/ops/variables.py` .

See the guide: Framework (contrib) > Variables

Device chooser for variables.

When using a parameter server it will assign them in a round-robin fashion. When not using a parameter server it allows GPU or CPU placement.

Methods

__init__

```
__init__(
    num_tasks=0,
    job_name='ps',
    device_type='CPU',
    device_index=0
)
```

Initialize VariableDeviceChooser.

Usage: To use with 2 parameter servers: VariableDeviceChooser(2)

To use without parameter servers: VariableDeviceChooser() VariableDeviceChooser(device_type='GPU') # For GPU placement

Args:

- `num_tasks` : number of tasks.
- `job_name` : String, a name for the parameter server job.
- `device_type` : Optional device type string (e.g. "CPU" or "GPU")
- `device_index` : int. Optional device index. If left unspecified, device represents 'any' device_index.

__call__

```
__call__(op)
```

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