

## tf.contrib.learn.read\_keyed\_batch\_examples

```
read_keyed_batch_examples(  
    file_pattern,  
    batch_size,  
    reader,  
    randomize_input=True,  
    num_epochs=None,  
    queue_capacity=10000,  
    num_threads=1,  
    read_batch_size=1,  
    parse_fn=None,  
    name=None,  
    seed=None  
)
```

Defined in [tensorflow/contrib/learn/python/learn/learn\\_io/graph\\_io.py](#).

Adds operations to read, queue, batch **Example** protos.

Given file pattern (or list of files), will setup a queue for file names, read **Example** proto using provided **reader**, use batch queue to create batches of examples of size **batch\_size**.

All queue runners are added to the queue runners collection, and may be started via **start\_queue\_runners**.

All ops are added to the default graph.

Use **parse\_fn** if you need to do parsing / processing on single examples.

### Args:

- **file\_pattern**: List of files or patterns of file paths containing **Example** records. See **tf.gfile.Glob** for pattern rules.
- **batch\_size**: An int or scalar **Tensor** specifying the batch size to use.
- **reader**: A function or class that returns an object with **read** method, (filename tensor) -> (example tensor).
- **randomize\_input**: Whether the input should be randomized.
- **num\_epochs**: Integer specifying the number of times to read through the dataset. If **None**, cycles through the dataset forever. NOTE - If specified, creates a variable that must be initialized, so call **tf.local\_variables\_initializer()** and run the op in a session.
- **queue\_capacity**: Capacity for input queue.
- **num\_threads**: The number of threads enqueueing examples. In order to have predictable and repeatable order of reading and enqueueing, such as in prediction and evaluation mode, **num\_threads** should be 1.
- **read\_batch\_size**: An int or scalar **Tensor** specifying the number of records to read at once.
- **parse\_fn**: Parsing function, takes **Example** Tensor returns parsed representation. If **None**, no parsing is done.
- **name**: Name of resulting op.
- **seed**: An integer (optional). Seed used if **randomize\_input == True**.

### Returns:

Returns tuple of: - `Tensor` of string keys. - String `Tensor` of batched `Example` proto.

Raises:

- `ValueError` : for invalid inputs.

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