

## tf.contrib.framework.nest.pack\_sequence\_as

```
pack_sequence_as(  
    structure,  
    flat_sequence  
)
```

Defined in [tensorflow/python/util/nest.py](#).

Returns a given flattened sequence packed into a given structure.

If `structure` is a scalar, `flat_sequence` must be a single-element list; in this case the return value is `flat_sequence[0]`.

If `structure` is or contains a dict instance, the keys will be sorted to pack the flat sequence in deterministic order. This is true also for `OrderedDict` instances: their sequence order is ignored, the sorting order of keys is used instead. The same convention is followed in `pack_sequence_as`. This correctly repacks dicts and `OrderedDict`s after they have been flattened, and also allows flattening an `OrderedDict` and then repacking it back using a corresponding plain dict, or vice-versa. Dictionaries with non-sortable keys cannot be flattened.

#### Args:

- `structure`: Nested structure, whose structure is given by nested lists, tuples, and dicts. Note: numpy arrays and strings are considered scalars.
- `flat_sequence`: flat sequence to pack.

#### Returns:

- `packed`: `flat_sequence` converted to have the same recursive structure as `structure`.

#### Raises:

- `ValueError`: If `flat_sequence` and `structure` have different element counts.
- `TypeError`: `structure` is or contains a dict with non-sortable keys.

---

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

#### Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

[Support](#)

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

**English**

[Terms](#) | [Privacy](#)