

Transducers

What, Why, How?

“transducers are a composition of higher order reducers.”

– Someone

Value proposition

- Much more performant when operating on **BIG** data sets
- Composition • agnostic of the shape of data flowing through them



chained transformations create intermediate arrays



transduced transformations process items one by one into output array

Reducer



```
const reducer = (accumulator, currentValue) => {  
  // transformation or combination here  
  accumulator.push(currentValue);  
  // if (predicate(currentValue)) {  
  //   accumulator.push(currentValue);  
  // }  
  return accumulator;  
};
```

```
collection.reduce(reducer, []);
```