Angular 2: Ignore first trigger of ngOnChanges?

Asked 2 years, 5 months ago   Active 1 year, 1 month ago   Viewed 5k times

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Is there any angular 2 way to skip the first trigger of ngOnChanges? Currently I am using this naive approach to ignore it:

```
isFirst: boolean = true;

ngOnChanges(changes: SimpleChanges) {
  if (this.isFirst) {
    this.isFirst = false;
    return;
  }
  console.log(changes);
}
```

🅰 angular

asked Apr 14 '17 at 6:10

Hitesh Kumar
1,578   1   18   50

3 Answers

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You can use

https://angular.io/docs/ts/latest/api/core/index/SimpleChange-class.html#!#isFirstChange-anchor

```
if(changes['prop'].isFirstChange()) {
}
```
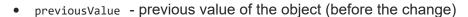
1   Ah! I missed that part in documentation. Thanks :) –   Hitesh Kumar   Apr 14 '17 at 6:14

2   Or use `if(changes['prop'].previousValue)` – Mick Jan 23 '18 at 15:42

@Mick trick resolved my issue – Khateeb321 May 10 at 9:09

To add onto the previous answer and explain this a bit more...

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`changes` is an array of objects that have been changed. So if you have an input `myInput`, you'll need to access that object within the changes array by doing `changes['myInput']`. `myInput` contains:

- `previousValue` - previous value of the object (before the change)

- `currentValue` - current value of the object that has been changed

- `firstChange` - boolean on whether this is the first time there has been a change (note this will be true when the component intializes and false otherwise) - `isFirstChange()` will return true if this is the first change.

Code:

```
//your input
@Input() myInput: any;

ngOnChanges(changes: any) {
  //check if this isn't the first change of myInput
  if(!changes['myInput'].isFirstChange()) {
    //do something
  }
}
```

answered Oct 27 '17 at 12:52

William Hampshire
3,529   3   21   38

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can you please help me to fix this issue stackoverflow.com/questions/50151925/… – Nikson May 3 '18 at 11:21

For a safer side, I always do this and it works like a charm.

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```
ngOnChanges(changes: { [key: string]: SimpleChange }): void {
if (changes['propertyName'] &&
    changes['propertyName'].previousValue !== undefined &&
    !changes['propertyName'].isFirstChange() ) {}
}
```

edited Aug 13 '18 at 8:37

answered Aug 13 '18 at 8:20

Nimish goel
1,058   1   12   27