



# Flutter: .of(context)

## What are you afraid .of?

by Scott Stoll



`.of(context)`

Get the code!

[https://bit.ly/dot\\_of\\_context](https://bit.ly/dot_of_context)

.of(context)

“I see it everywhere,  
what is it?”

Provider



.of(context)

```
static Person currentPersonOf(BuildContext context) {  
    final AppState state = context.findAncestorStateOfType<AppState>()!;  
    return state._currentPerson;  
}
```

.of(context)

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```
/// A person, with a name and the ability to change names.  
late final Person _currentPerson;  
  
@override  
void initState() {  
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  _themeManager = ThemeManager();  
  _currentPerson = Person(name: 'Dash');  
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# .of(context)

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/// that is an instance of the given type `T`.
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/// Calling this method is relatively expensive ( $O(N)$  in the depth of the  
/// tree). Only call this method if the distance from this widget to the  
/// desired ancestor is known to be small and bounded.
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.of(context)

“Okay,  
what do I do with it?”



`.of(context)`

You get stuff!

.of(context)

You get stuff!  
Even if it's not your birthday!

.of(context)

What's the person's name?

```
'The name of the current person '  
  'is ${MyApp.currentPersonOf(context).name}.'
```

.of(context)

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`.of(context)`

This is used everywhere!



.of(context)

```
final theme = Theme.of(context);
```

# .of(context)

```
final theme = Theme.of(context);
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```
final mediaQuery = MediaQuery.of(context);
```

# .of(context)

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final theme = Theme.of(context);  
  
final mediaQuery = MediaQuery.of(context);  
  
final navigator = Navigator.of(context);
```

# .of(context)

```
final theme = Theme.of(context);  
  
final mediaQuery = MediaQuery.of(context);  
  
final navigator = Navigator.of(context);  
  
final textTheme = Theme.of(context).textTheme;
```

# .of(context)

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final theme = Theme.of(context);  
  
final mediaQuery = MediaQuery.of(context);  
  
final navigator = Navigator.of(context);  
  
final textTheme = Theme.of(context).textTheme;  
  
final iconTheme = Theme.of(context).iconTheme;
```



.of(context)

Material Design 3 Compliant text size?

.of(context)

# Material Design 3 Compliant text size?

```
Theme.of(context).textTheme.titleLarge,
```

.of(context)

Material Design 3 Compliant text size?  
To show an error?

```
Theme.of(context).textTheme.titleLarge!.  
  copyWith(color: Theme.of(context).errorColor),
```



`.of(context)`

Wanna see something cool?



.of(context)

Wanna see something cool?  
Do you like “clean code” naming?

# .of(context)

```
static Car of(BuildContext context) {  
    final AppState state = context.findAncestorStateOfType<AppState>()!;  
    return state._currentCar;  
}
```

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static Car of(BuildContext context) {  
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```

```
final usingOf = MyApp.of(context).typeOfCar;
```

# .of(context)

```
static Car inThe(BuildContext context) {  
    final AppState state = context.findAncestorStateOfType<AppState>()!;  
    return state._currentCar;  
}
```

# .of(context)

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static Car inThe(BuildContext context) {  
    final AppState state = context.findAncestorStateOfType<AppState>()!;  
    return state._currentCar;  
}
```

```
final usingInThe = MyApp.inThe(context).typeOfCar;
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final usingInThe = MyApp.inThe(context).typeOfCar;
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“Find the MyApp instance in the context and return its typeOfCar”

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- The class before the `.of` (or `.whatever`) is where you find the method, NOT the class that owns the method!

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'The name of the current person '  
  'is ${MyApp.currentPersonOf(context).name}.'
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# .of(context)

## *Important!*

- The class before the .of (or .whatever) is where you find the method, NOT the class that owns the method!

We get a name  
from a Person

```
'The name of the current person '  
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# .of(context)

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That's not  
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- The class before the .of (or .whatever) is where you find the method, NOT the class that owns the method!

That's not  
a Person!

This returns  
a Person

We get a name  
from a Person

```
'The name of the current person '
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```
'is ${MyApp.currentPersonOf(context).name}.'
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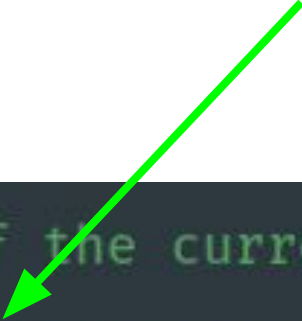
.of(context)

And where is that method?

.of(context)

And where is that method?

It's in here.

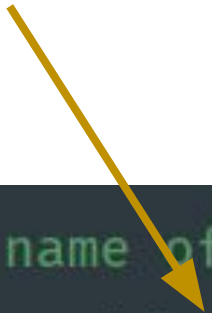


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'The name of the current person '  
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.of(context)

## And where is that method?

Here is where you find this method, which takes a BuildContext, and returns this.



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.of(context)

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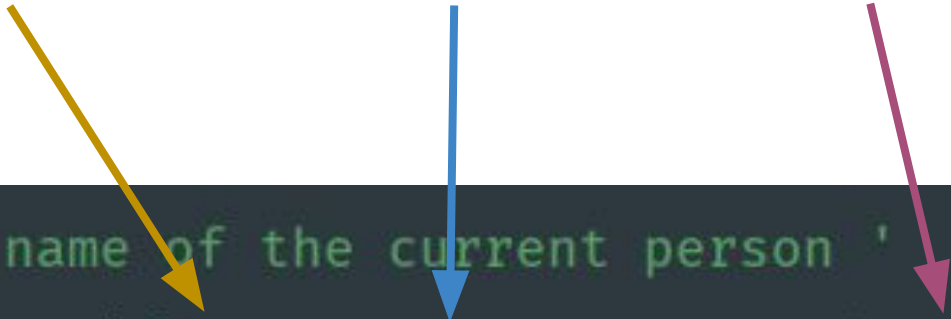


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.of(context)

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Here is where you find this method, which takes a BuildContext, and returns this.



'The name of the current person '  
'is `MyApp.currentPersonOf(context).name`.'

# .of(context)

## Memorize This

Here is where you find this method, which takes a BuildContext, and returns this.

```
'The name of the current person '  
  'is ${MyApp.currentPersonOf(context).name}.'
```

.of(context)

# Summary



# .of(context)

## Summary

- Declare your instance in AppState and initialize in initState

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/// A person, with a name and the ability to change names.  
late final Person _currentPerson;  
  
@override  
void initState() {  
  super.initState();  
  _themeManager = ThemeManager();  
  _currentPerson = Person(name: 'Dash');  
  _currentCar = Car();  
}
```

# .of(context)

## Summary

- Create a static method to access it, often called of()
  - It needs to take a BuildContext

```
static Person currentPersonOf(BuildContext context) {  
    final AppState state = context.findAncestorStateOfType<AppState>(!;  
    return state._currentPerson;  
}
```

# .of(context)

## Summary

- When you need to use it, this is how you access it.

Here is where you find this method, which takes a BuildContext, and returns this.

```
'The name of the current person '  
  'is ${MyApp.currentPersonOf(context).name}.'
```



`.of(context)`

# Recommended State Management

.of(context)

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- Have your class extend `ChangeNotifier` and wrap your affected Widgets in an `AnimatedBuilder`. Your instance is the `Listenable`. (E.G.: `_themeManger` is the listenable)

```
late final ThemeManager _themeManager;

@override
void initState() {
  super.initState();
  _themeManager = ThemeManager();
  _currentPerson = Person(name: 'Dash');
  _currentCar = Car();
}
```

# .of(context)

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```
@override
Widget build(BuildContext context) {
  return AnimatedBuilder(
    animation: _themeManager,
    builder: (BuildContext context, Widget? child) {
      return MaterialApp(
        title: '.of(context)',
        theme: _themeManager.themeData,
        home: const Home(title: '.of(context)'),
      ); // MaterialApp
    }
  );
}
```



`.of(context)`

## Recommended State Management

Use provider / riverpod / flutter\_riverpod

**OR**

Use bloc / flutter\_bloc



`.of(context)`

## Recommended State Management

AVOID BIG COMPLICATED PACKAGES  
THAT TRY TO DO EVERYTHING AND BE  
EVERYTHING TO EVERYBODY!!!





- Gitter: The official chat channel of Flutter. Accessible via flutter.dev
- The Flutter Dev Google Group:  
<https://groups.google.com/forum/#!forum/flutter-dev>
- Reddit:  
<https://www.reddit.com/r/FlutterDev/>
- Flutter Community on Medium:  
<https://medium.com/flutter-community>
- Flutter Community Page on Facebook  
<https://www.facebook.com/FlutterCommunity/>
- Twitter: #Flutter  
Official: @flutterdev  
Follow who I follow: @scottstoll2017

Live open Q&A every Wednesday  
on Flutter Community YouTube!