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Angular - Services

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We will cover with the following concepts

1) Concept of services
2) Injecting services into a particular component
3) Service lifecycle and its benefit
4) Passing data using services
5) Using the data store
6) Overview of meta-data

Data passing is the most important capability a SPA needs

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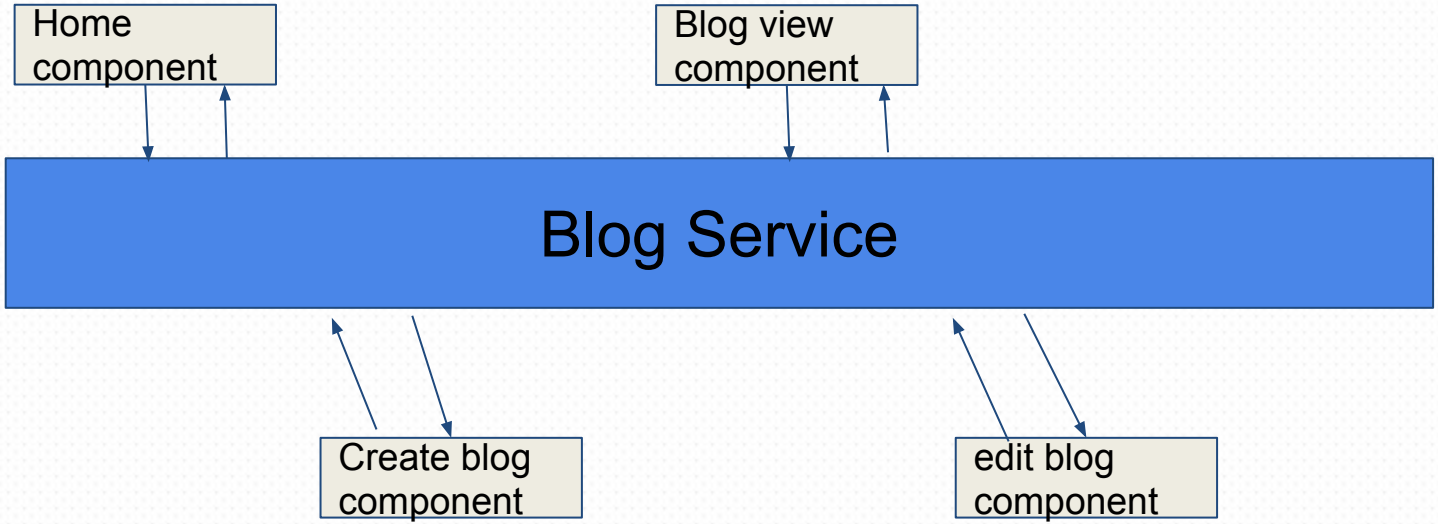
- In an SPA, you will often need to pass data from one component to another. But the component instance is destroyed as soon as you move away from the view of the component
- Service instance is created only once and it's not create unless you re-initialize the service. Let's look at a demo to understand.
- Best approach in our case is to create an application level service to pass this data.
- Let's see services in full action

This is how our components will interact with the service



Think of a service like a data sharing and storing component for every instance of angular application

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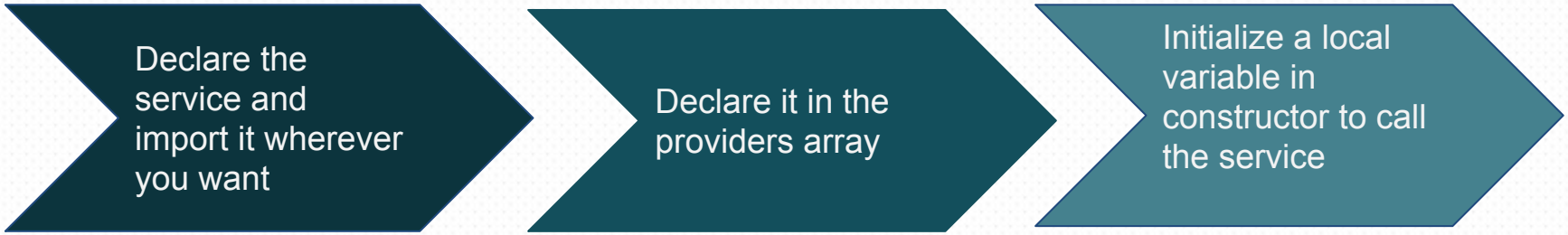
Including Services in our application is very easy



Step 1 Step 2 Step 3

Notice the difference in service class metadata

```
3
4   import { Injectable } from '@angular/core';
5
6   @Injectable()
7   export class BlogService {
8
9
10
11
12  }
13
```

Some thumb rules

- Don't call services in constructors - it’s a bad practice !
- Don’t use new operator while calling services.
- Use background service with lifecycle hooks to get best results.

The next steps are ...

- ➔ Concept of REST API
- ➔ Concept of Http requests and Http verbs
- ➔ Making an http request
- ➔ Concept of observables
- ➔ Rx/Js
- ➔ Exception handling
- ➔ Handling subscriptions properly
- ➔ Why use services for making Http calls.