

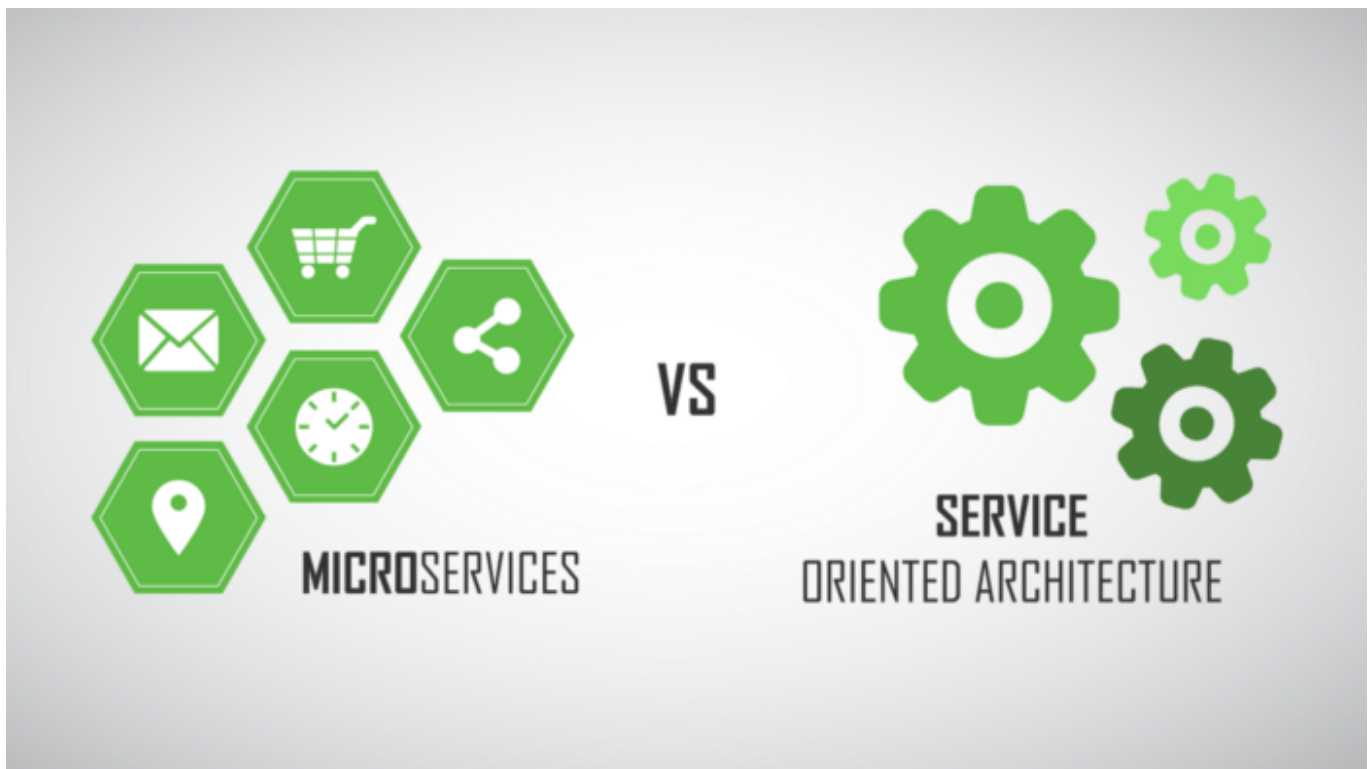
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Nov 24, 2019

Microservices vs. SOA



1. SOA

A **Service Oriented Architecture** is a software architecture pattern, which application components provide services to other components via a communications protocol over a network. The communication can involve either simple data passing or it could involve two or more services coordinating connecting services to each other. Services (such as RESTful Web services) carry out some small functions, such as validating an order

RESTful web services) carry out some small functions, such as validating an order, activating account, or providing shopping cart services.

There are 2 main roles in SOA, a service provider and a service consumer. A software agent may play both roles. The Consumer Layer is the point where consumers (human users, other services or third parties) interact with the SOA and Provider Layer consists of all the services defined within the SOA. ...

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Nov 13, 2019

Passing Data from Parent to Child Component with Input Binding



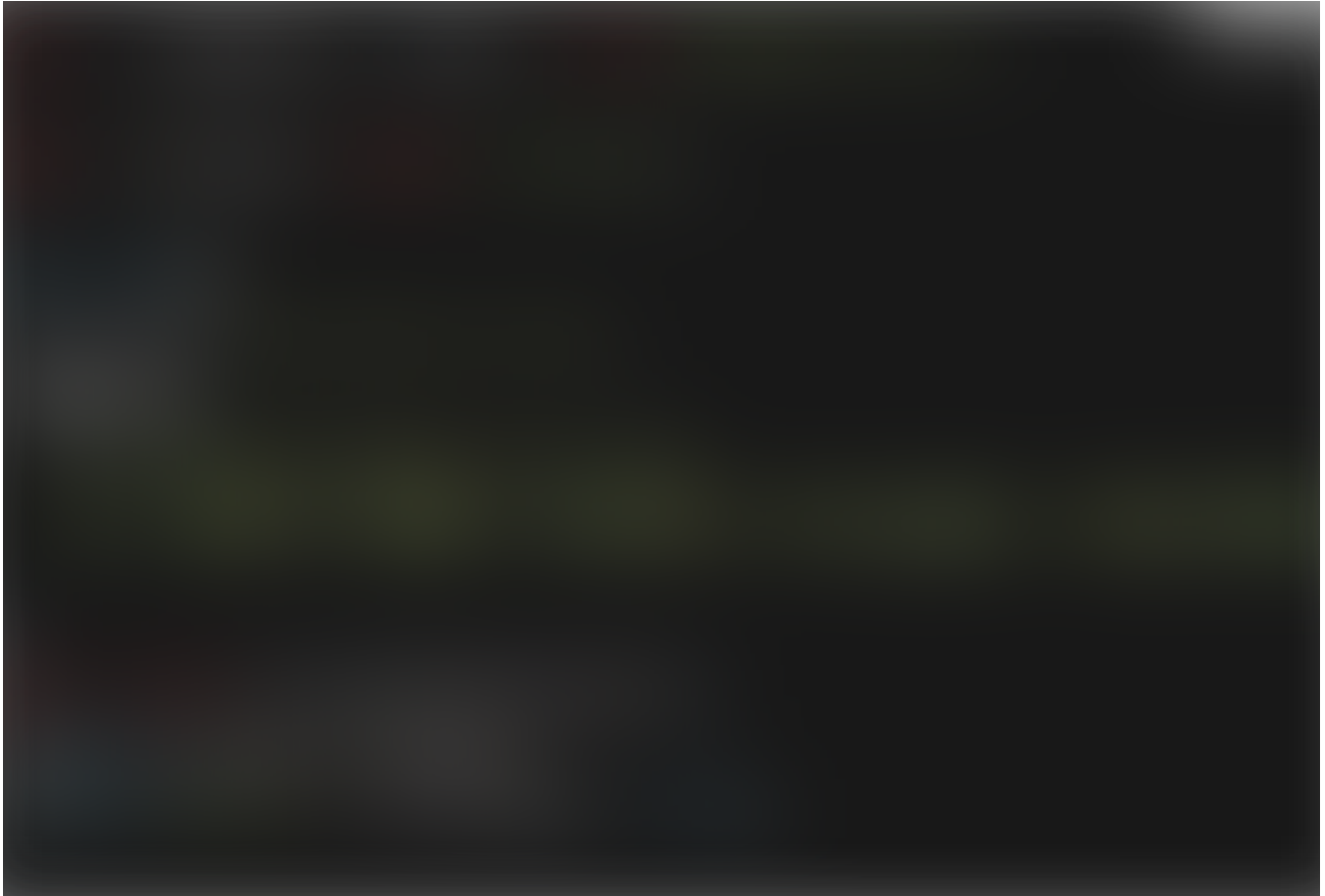
When we want to pass the data from the parent component to the child component, we use input binding with `@Input` decorations.

Let's consider an example where `PersonChildComponent` has two input properties with `@Input` decorations. As we can see in the below example, we must import `Input` from

`'@angular/core'` library

@angular/core library.

Filename: personchild.component.ts



We can use aliasing with `@Input` binding. As we see in the above example, `masterName` is aliased with the master.

Intercepting Input Property Changes with a Setter and `ngOnChanges()`

Intercepting input property helps to act upon a value from the parent.

Changes with setter:

Let's consider an example where we are setting the `personname` of the input property in the child `PersonChildComponent` that trims the whitespace from a name and replaces an empty value with default text. ...

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May 17, 2019

Data Binding In Angular



- In Angular 2, Data Binding is mainly classified in two ways — one-way binding (i.e. unidirectional binding) and two-way binding (i.e. bi-directional binding).
- In simple words, if you compare this with MVC applications, it is similar to the process of how we synchronize the data between the View to Model and Model to View.

One-way Data Binding: [Component to View]

It will bind the data from Component to View using the following different ways.

Different types of one-way data binding

- Interpolation Binding
- Property Binding
- Attribute Binding

- Class Binding
- Style Binding

Interpolation Binding

- With interpolation, we place the component property name in the View template, enclosed in double curly braces: {{property Name}}. ...

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Apr 23, 2019

Understanding HTTP Interceptors In Angular

In a request and response communication of a HTTP call if we want to inject some custom logic the HTTP Interceptor comes into picture. HTTP Interceptors executes some custom logic before or after the HTTP call.

For example, appending the authentication token to every HTTP request and that token is generated from the client who needs to be validated at the server for security purpose.

These interceptors act as a hook up for the HTTP calls.

HTTP Interceptors are used for adding custom logic for authentication, authorization, session/state management, logging, modifying Response, URL rewriting, Error handling, Caching, adding custom header, timestamp in the request /response, encrypt and decrypt the request and response information or manipulate the request and response data over the request cycles. ...

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