

INTEGRATING SOFTWARE SERVICES IN THE DESIGN OF YOUR ARCHITECTURE



SOFTWARE SERVICES

Software service is a set of related software functionalities that can be used in different contexts

TYPES OF SOFTWARE SERVICES

● STATELESS SERVICE

like data aggregation services.

● STATEFUL SERVICE

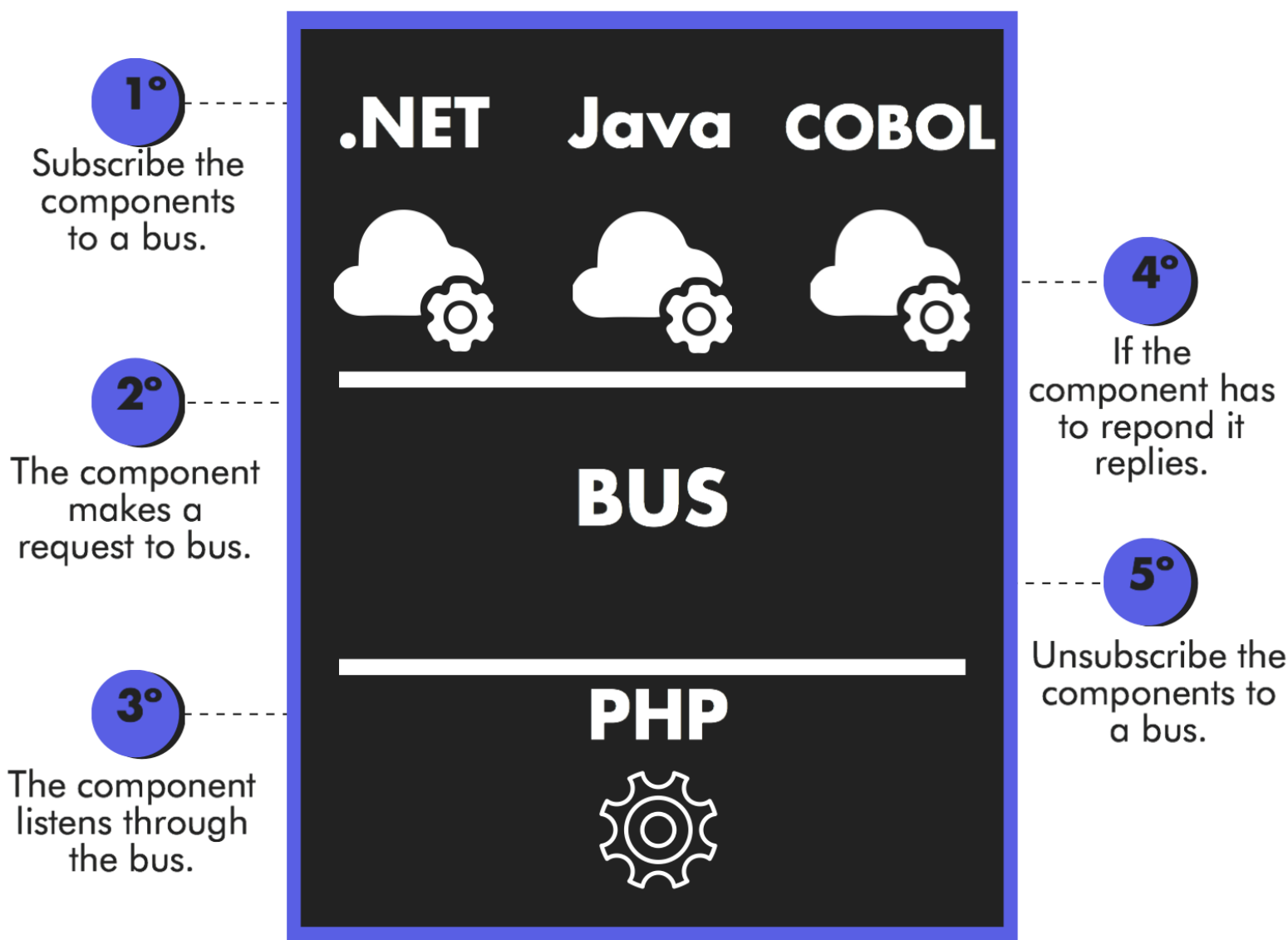
are used for executing business logic.



DESIGN ALTERNATIVES:

- Recode the services (inefficient)
- Link all the services among them (not appropriate)
- Bus like integration (most appropriate)

HOW TO DESIGN IT?



HOW TO CHECK IF IT'S A GOOD DESIGN?



COHESION

Each third party service only provide a limited set of responsibilities.



COUPLING

The communication among the services is managed by the service bus



RELIABILITY

Capability to react properly when unexpected inputs are received