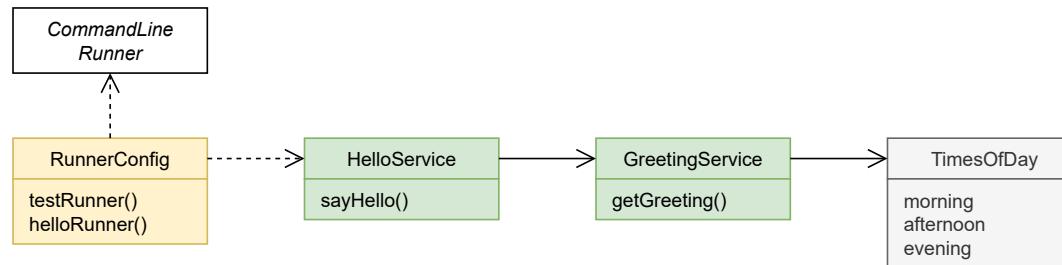


# Spring Core

## Exercise: Hello Application (Configuration)



### 1. Configuration Class

- Remove the `TestRunner` class
- Instead create the command line runner in a bean method of a configuration class `RunnerConfig`

### 2. Profiles

- Add the existing command line runner to the profile `dev`
- Create another runner that asks the user for his name and age, and add it to the profile `prod`
- Run the application using the `spring.profiles.active` command line option

### 3. External Properties

- Write a configuration file `application.properties` that contains a property for the adult age
- Inject the property value into the Hello service to decide which message to return

- Use a command line option to override the property value

#### 4. Type-safe Properties

- Implement a configuration properties class `TimesOfDay` with properties for the times of day
- Add the `spring-boot-starter-validation` starter and use annotations to validate the properties
- Inject an instance of it into the Greeting service to generate an appropriate daytime greeting

Solution (<https://gitlab.ti.bfh.ch/cas-sad-hs25/spring-core/hello/-/commits/main>)

---

© Stephan Fischli, <https://distsys.bfh.ch/fischli> (<https://distsys.bfh.ch/fischli>)