

Bean Name

When creating beans using @Bean, Spring assigns a default bean name as the method name. However, you can customize this name by providing a custom name using the name attribute in @Bean.

Steps:

1. The default bean name is the name of the method that defines the bean.
2. To change the default name, you can use the @Bean(name = "customName") annotation.

Configuration class:

```
@Configuration
public class AppConfig {

    // Default name of the bean is "desktop"
    @Bean
    public Desktop desktop() {
        return new Desktop();
    }

    // Bean with multiple names
    @Bean(name = {"com2", "desktop1", "beast"})
    public Desktop desktop2() {
        return new Desktop();
    }
}
```

Main Class:

```
// Main class to retrieve the bean
public class App {
```

```

    public static void main(String[] args) {
        ApplicationContext context = new
AnnotationConfigApplicationContext(AppConfig.class);

        // Retrieve bean using the default name
        Desktop dt1 = context.getBean("desktop", Desktop.class);
        dt1.compile(); // Output: "Compiling using Desktop"

        // Retrieve bean using custom names
        Desktop dt2 = context.getBean("desktop1", Desktop.class);
        dt2.compile(); // Output: "Compiling using Desktop"

        Desktop dt3 = context.getBean("beast", Desktop.class);
        dt3.compile(); // Output: "Compiling using Desktop"
    }
}

```

Key Points:

- **Default Bean Name:** The method name (desktop).
- **Custom Bean Name:** You can give a bean multiple names (com2, desktop1, beast), and it can be retrieved using any of those names.