

Spring Professional Exam Tutorial v5.0

Question 42

Question 42 - When do you want to use `@WebMvcTest`? What does it auto-configure?

You should use `@WebMvcTest` annotation when you want to write Integration Test that is focused on web layer of your application. `@WebMvcTest` approach will create `ApplicationContext` that contains only web components and omits any other components that are not part of web layer. Other components, if required for the test, can be mocked with usage of `@MockBean` annotation or delivered by `@Configuration` annotated class imported with usage of `@Import` annotation.

`@WebMvcTest` supports two cases:

- ▶ **Single Controller Auto-Configuration** - annotate test by providing Controller class - `@WebMvcTest(CityController.class)`
- ▶ **Multiple (All found) Controllers Auto-Configuration** - just annotate test with `@WebMvcTest`

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@WebMvcTest annotation will auto-configure:

- ▶ **Mock Mvc**
- ▶ @Controller annotated class
- ▶ @ControllerAdvice annotated class
- ▶ @JsonComponent annotated class
- ▶ @Converter annotated class
- ▶ @GenericConverter annotated class
- ▶ @Filter annotated class
- ▶ @WebMvcConfigurer annotated class
- ▶ @HandlerMethodArgumentResolver annotated class

