com.jayway.restassured.response

**Interface ValidatableResponseOptions<T extends ValidatableResponseOptions<T,R>,R extends [ResponseBody](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBody.html" \o "interface in com.jayway.restassured.response)<R> & [ResponseOptions](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseOptions.html" \o "interface in com.jayway.restassured.response)<R>>**

* **All Known Subinterfaces:**

[ValidatableResponse](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponse.html)

**All Known Implementing Classes:**

[ValidatableResponseImpl](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/internal/ValidatableResponseImpl.html)

public interface **ValidatableResponseOptions<T extends ValidatableResponseOptions<T,R>,R extends** [**ResponseBody**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBody.html)**<R> &** [**ResponseOptions**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseOptions.html)**<R>>**

A validatable response of a request made by REST Assured.

Usage example:

get("/lotto").then().body("lotto.lottoId", is(5));

* + ***Method Summary***

|  |  |
| --- | --- |
| **All Methods**[**Instance Methods**](javascript:show(2);)[**Abstract Methods**](javascript:show(4);) | |
| **Modifier and Type** | **Method and Description** |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**and**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#and--)()  Syntactic sugar, e.g. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**appendRoot**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#appendRoot-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToAppend)  Append the given path to the root path of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**appendRoot**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#appendRoot-java.lang.String-java.util.List-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToAppend, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)  Append the given path to the root path with arguments supplied of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**assertThat**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#assertThat--)()  Syntactic sugar, e.g. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.util.List-org.hamcrest.Matcher-java.lang.Object...-)([**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, org.hamcrest.Matcher matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  This as special kind of expectation that is mainly useful when you've specified a root path with an argument placeholder. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, [**ResponseAwareMatcher**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response using arguments when root path is used. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-org.hamcrest.Matcher-org.hamcrest.Matcher...-)(org.hamcrest.Matcher<?> matcher, org.hamcrest.Matcher<?>... additionalMatchers)  Validate that the response body conforms to one or more Hamcrest matchers. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-org.hamcrest.Matcher-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, org.hamcrest.Matcher matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  Same as [**body(String, org.hamcrest.Matcher, Object...)**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-) expect that you can pass arguments to the key. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, [**ResponseAwareMatcher**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response using arguments. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, org.hamcrest.Matcher<?> matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  Validate that the JSON or XML response body conforms to one or more Hamcrest matchers. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, **[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher)**<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response, for example another path. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.util.List-org.hamcrest.Matcher-java.lang.Object...-)([**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, org.hamcrest.Matcher matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  This as special kind of validation that is mainly useful when you've specified a root path with an argument placeholder. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, [**ResponseAwareMatcher**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response using arguments when root path is used. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-org.hamcrest.Matcher-org.hamcrest.Matcher...-)(org.hamcrest.Matcher<?> matcher, org.hamcrest.Matcher<?>... additionalMatchers)  Validate that the response content conforms to one or more Hamcrest matchers. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-java.util.List-org.hamcrest.Matcher-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, org.hamcrest.Matcher matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  Same as [**body(String, java.util.List, org.hamcrest.Matcher, Object...)**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-org.hamcrest.Matcher-java.lang.Object...-) expect that you can pass arguments to the path. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments, [**ResponseAwareMatcher**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response using arguments. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) key, org.hamcrest.Matcher<?> matcher, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)  Validate that the JSON or XML response content conforms to one or more Hamcrest matchers. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**content**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**ResponseAwareMatcher**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)  Compare a path in the response body to something available in the response, for example another path. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**contentType**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#contentType-com.jayway.restassured.http.ContentType-)(**[ContentType](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/http/ContentType.html" \o "enum in com.jayway.restassured.http)** contentType)  Set the response content type to be contentType. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**contentType**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#contentType-org.hamcrest.Matcher-)(org.hamcrest.Matcher<? super [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> contentType)  Validate the response content type to be contentType. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**contentType**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#contentType-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) contentType)  Set the response content type to be contentType. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**cookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookie-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName)  Validate that a cookie exist in the response, regardless of value (it may have no value at all). |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**cookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookie-java.lang.String-org.hamcrest.Matcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName, org.hamcrest.Matcher<?> expectedValueMatcher)  Validate that a response cookie matches the supplied cookie name and hamcrest matcher. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**cookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookie-java.lang.String-java.lang.Object-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) expectedValue)  Validate that a response cookie matches the supplied name and value. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**cookies**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookies-java.util.Map-)([**Map**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/Map.html?is-external=true)<[**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true),?> expectedCookies)  Validate that response cookies matches those specified in a Map. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**cookies**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookies-java.lang.String-java.lang.Object-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) firstExpectedCookieName, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) firstExpectedCookieValue, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... expectedCookieNameValuePairs)  Validate that response cookies matches the supplied cookie names and values. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**defaultParser**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#defaultParser-com.jayway.restassured.parsing.Parser-)([**Parser**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/parsing/Parser.html) parser)  Register a default predefined parser that will be used if no other parser (registered or pre-defined) matches the response content-type. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**detachRoot**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#detachRoot-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToDetach)  Detach the given path from the root path. |
| [**ExtractableResponse**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html)<[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> | [**extract**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#extract--)()  Extract values from the response or return the response instance itself. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**header**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#header-java.lang.String-org.hamcrest.Matcher-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) headerName, org.hamcrest.Matcher<?> expectedValueMatcher)  Validate that a response header matches the supplied header name and hamcrest matcher. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**header**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#header-java.lang.String-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) headerName, [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) expectedValue)  Validate that a response header matches the supplied name and value. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**headers**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#headers-java.util.Map-)([**Map**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/Map.html?is-external=true)<[**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true),?> expectedHeaders)  Validate that response headers matches those specified in a Map. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**headers**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#headers-java.lang.String-java.lang.Object-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) firstExpectedHeaderName, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) firstExpectedHeaderValue, [**Object**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... expectedHeaders)  Validate that response headers matches the supplied headers and values. |
| [**ValidatableResponseLogSpec**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseLogSpec.html)<[**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html),[**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> | [**log**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#log--)()  Returns the **[ValidatableResponseLogSpec](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseLogSpec.html" \o "interface in com.jayway.restassured.response)** that allows you to log different parts of the [**Response**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Response.html). |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**noRoot**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#noRoot--)()  Reset the root path of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**noRootPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#noRootPath--)()  Reset the root path of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**parser**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#parser-java.lang.String-com.jayway.restassured.parsing.Parser-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) contentType, [**Parser**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/parsing/Parser.html) parser)  Register a content-type to be parsed using a predefined parser. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**root**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath)  Set the root path of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**root**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-java.util.List-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)  Set the root path with arguments of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**rootPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#rootPath-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath)  Set the root path of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**rootPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#rootPath-java.lang.String-java.util.List-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath, [**List**](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[**Argument**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)  Set the root path with arguments of the response body so that you don't need to write the entire path for each expectation. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**spec**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#spec-com.jayway.restassured.specification.ResponseSpecification-)(**[ResponseSpecification](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/ResponseSpecification.html" \o "interface in com.jayway.restassured.specification)** responseSpecificationToMerge)  Validate that the response matches an entire specification. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**specification**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#specification-com.jayway.restassured.specification.ResponseSpecification-)([**ResponseSpecification**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/ResponseSpecification.html) responseSpecificationToMerge)  Validate that the response matches an entire specification. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**statusCode**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#statusCode-int-)(int expectedStatusCode)  Validate that the response status code matches an integer. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**statusCode**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#statusCode-org.hamcrest.Matcher-)(org.hamcrest.Matcher<? super [**Integer**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Integer.html?is-external=true)> expectedStatusCode)  Validate that the response status code matches the given Hamcrest matcher. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**statusLine**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#statusLine-org.hamcrest.Matcher-)(org.hamcrest.Matcher<? super [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> expectedStatusLine)  Validate that the response status line matches the given Hamcrest matcher. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**statusLine**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#statusLine-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) expectedStatusLine)  Validate that the response status line matches the given String. |
| [**T**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) | [**using**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#using--)()  Syntactic sugar, e.g. |

* + ***Method Detail***
    - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content(org.hamcrest.Matcher<?> matcher,

org.hamcrest.Matcher<?>... additionalMatchers)

Validate that the response content conforms to one or more Hamcrest matchers. E.g.

// Validate that the response content (body) contains the string "winning-numbers"

get("/lotto").then().content(containsString("winning-numbers"));

// Validate that the response content (body) contains the string "winning-numbers" and "winners"

get("/lotto").then().assertThat().content(containsString("winning-numbers"), containsString("winners"));

**Parameters:**

matcher - The hamcrest matcher that must response content must match.

additionalMatchers - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,
    - org.hamcrest.Matcher matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

This as special kind of validation that is mainly useful when you've specified a root path with an argument placeholder. For example:

get(..).then().assertThat().

root("x.%s"). // Root path with a placeholder

content(withArgs("firstName"), equalTo(..)).

content(withArgs("lastName"), equalTo(..)).

Note that this is the same as doing:

get(..).then().assertThat().

root("x.%s"). // Root path with a placeholder

body(withArgs("firstName"), equalTo(..)).

body(withArgs("lastName"), equalTo(..)).

Note that this method is the same as [body(java.util.List, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.util.List-org.hamcrest.Matcher-java.lang.Object...-) but with a method name.

**Parameters:**

arguments - The arguments to apply to the root path.

matcher - The hamcrest matcher that must response body must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

**See Also:**

[body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response using arguments when root path is used. For example imagine that a resource "/x" returns the following JSON document:

{

"data" : {

"user1" : {

"userId" : "my-id1",

"href" : "http://localhost:8080/my-id1"

},

"user2" : {

"userId" : "my-id2",

"href" : "http://localhost:8080/my-id2"

},

}

}

you can then verify the href using:

when().

get("/x").

then().

root("data.%s").

content(withArgs("user1"), new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher).

Note that this method is the same as [body(java.util.List, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-) expect for syntactic differences.

**Parameters:**

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[content(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) key,
    - org.hamcrest.Matcher<?> matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

Validate that the JSON or XML response content conforms to one or more Hamcrest matchers.

**JSON example**

Assume that a GET request to "/lotto" returns a JSON response containing:

{ "lotto":{

"lottoId":5,

"winning-numbers":[2,45,34,23,7,5,3],

"winners":[{

"winnerId":23,

"numbers":[2,45,34,23,3,5]

},{

"winnerId":54,

"numbers":[52,3,12,11,18,22]

}]

}}

You can verify that the lottoId is equal to 5 like this:

get("/lotto").then().assertThat().content("lotto.lottoId", equalTo(5));

You can also verify that e.g. one of the the winning numbers is 45.

get("/lotto").then().content("lotto.winning-numbers", hasItem(45));

Or both at the same time:

get("/lotto").then().content("lotto.lottoId", equalTo(5)).and().content("lotto.winning-numbers", hasItem(45));

or a slightly short version:

get("/lotto").then().content("lotto.lottoId", equalTo(5), "lotto.winning-numbers", hasItem(45));

**XML example**

Assume that a GET request to "/xml" returns a XML response containing:

<greeting>

<firstName>John</firstName>

<lastName>Doe</lastName>

</greeting>

You can now verify that the firstName is equal to "John" like this:

get("/xml").then().content("greeting.firstName", equalTo("John"));

To verify both the first name and last name you can do like this:

get("/xml").then().content("greeting.firstName", equalTo("John")).and().content("greeting.lastName", equalTo("Doe"));

Or the slightly shorter version of:

get("/xml").then().content("greeting.firstName", equalTo("John"), "greeting.lastName", equalTo("Doe"));

**Notes**

Note that if the response content type is not of type application/xml or application/json you *cannot* use this verification.

The only difference between the content and body methods are of syntactic nature.

**Parameters:**

matcher - The hamcrest matcher that must response content must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,
    - [List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,
    - org.hamcrest.Matcher matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

Same as [body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-) expect that you can pass arguments to the key. This is useful in situations where you have e.g. pre-defined variables that constitutes the key:

String someSubPath = "else";

int index = 1;

get("/x").then().body("something.%s[%d]", withArgs(someSubPath, index), equalTo("some value")). ..

or if you have complex root paths and don't wish to duplicate the path for small variations:

get("/x").then().

root("filters.filterConfig[%d].filterConfigGroups.find { it.name == 'Gold' }.includes").

body(withArgs(0), hasItem("first")).

body(withArgs(1), hasItem("second")).

..

The key and arguments follows the standard [formatting syntax](https://download.oracle.com/javase/1,5.0/docs/api/java/util/Formatter.html#syntax) of Java.

Note that withArgs can be statically imported from the com.jayway.restassured.RestAssured class.

**Parameters:**

path - The body path

arguments - The arguments to apply to the key

matcher - The hamcrest matcher that must response body must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

**See Also:**

[body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,
    - org.hamcrest.Matcher matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

This as special kind of expectation that is mainly useful when you've specified a root path with an argument placeholder. For example:

get(..).then().

root("x.%s"). // Root path with a placeholder

body(withArgs("firstName"), equalTo(..)).

body(withArgs("lastName"), equalTo(..)).

Note that this is the same as doing:

get(..).then().

root("x.%s"). // Root path with a placeholder

content(withArgs("firstName"), equalTo(..)).

content(withArgs("lastName"), equalTo(..)).

Note that this method is the same as [content(java.util.List, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.util.List-org.hamcrest.Matcher-java.lang.Object...-) but with a method name.

**Parameters:**

arguments - The arguments to apply to the root path.

matcher - The hamcrest matcher that must response body must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

**See Also:**

[body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response using arguments when root path is used. For example imagine that a resource "/x" returns the following JSON document:

{

"data" : {

"user1" : {

"userId" : "my-id1",

"href" : "http://localhost:8080/my-id1"

},

"user2" : {

"userId" : "my-id2",

"href" : "http://localhost:8080/my-id2"

},

}

}

you can then verify the href using:

when().

get("/x").

then().

root("data.%s").

body(withArgs("user1"), new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher).

Note that this method is the same as [content(java.util.List, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-) expect for syntactic differences.

**Parameters:**

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[body(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **statusCode**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) statusCode(org.hamcrest.Matcher<? super [Integer](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Integer.html?is-external=true)> expectedStatusCode)

Validate that the response status code matches the given Hamcrest matcher. E.g.

get("/something").then().assertThat().statusCode(equalTo(200));

**Parameters:**

expectedStatusCode - The expected status code matcher.

**Returns:**

the response specification

* + - **statusCode**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) statusCode(int expectedStatusCode)

Validate that the response status code matches an integer. E.g.

get("/something").then().assertThat().statusCode(200);

This is the same as:

get("/something").then().assertThat().statusCode(equalTo(200));

**Parameters:**

expectedStatusCode - The expected status code.

**Returns:**

the response specification

* + - **statusLine**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) statusLine(org.hamcrest.Matcher<? super [String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> expectedStatusLine)

Validate that the response status line matches the given Hamcrest matcher. E.g.

expect().statusLine(equalTo("No Content")).when().get("/something");

**Parameters:**

expectedStatusLine - The expected status line matcher.

**Returns:**

the response specification

* + - **statusLine**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) statusLine([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) expectedStatusLine)

Validate that the response status line matches the given String. E.g.

expect().statusLine("No Content").when().get("/something");

This is the same as:

expect().statusLine(equalTo("No Content")).when().get("/something");

**Parameters:**

expectedStatusLine - The expected status line.

**Returns:**

the response specification

* + - **headers**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) headers([Map](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true),?> expectedHeaders)

Validate that response headers matches those specified in a Map.

E.g. expect that the response of the GET request to "/something" contains header headerName1=headerValue1 and headerName2=headerValue2:

Map expectedHeaders = new HashMap();

expectedHeaders.put("headerName1", "headerValue1"));

expectedHeaders.put("headerName2", "headerValue2");

get("/something").then().assertThat().headers(expectedHeaders);

You can also use Hamcrest matchers:

Map expectedHeaders = new HashMap();

expectedHeaders.put("Content-Type", containsString("charset=UTF-8"));

expectedHeaders.put("Content-Length", "160");

get("/something").then().assertThat().headers(expectedHeaders);

**Parameters:**

expectedHeaders - The Map of expected response headers

**Returns:**

the response specification

* + - **headers**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) headers([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) firstExpectedHeaderName,
    - [Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) firstExpectedHeaderValue,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... expectedHeaders)

Validate that response headers matches the supplied headers and values.

E.g. expect that the response of the GET request to "/something" contains header Pragma=no-cache and Content-Encoding=gzip:

get("/something").then().assertThat().headers("Pragma", "no-cache", "Content-Encoding", "gzip");

You can also use Hamcrest matchers:

get("/something").then().assertThat().headers("Content-Type", containsString("application/json"), "Pragma", equalsTo("no-cache"));

and you can even mix string matching and hamcrest matching:

get("/something").then().assertThat().headers("Content-Type", containsString("application/json"), "Pragma", "no-cache");

**Parameters:**

firstExpectedHeaderName - The name of the first header

firstExpectedHeaderValue - The value of the first header

expectedHeaders - A list of expected "header name" - "header value" pairs.

**Returns:**

the response specification

* + - **header**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) header([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) headerName,

org.hamcrest.Matcher<?> expectedValueMatcher)

Validate that a response header matches the supplied header name and hamcrest matcher.

E.g. expect that the response of the GET request to "/something" contains header Pragma=no-cache:

get("/something").then().assertThat().header("Pragma", containsString("no"));

You can also expect several headers:

get("/something").then().assertThat().header("Pragma", equalsTo("no-cache")).and().header("Content-Encoding", containsString("zip"));

Also take a look at [headers(String, Object, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#headers-java.lang.String-java.lang.Object-java.lang.Object...-) )} for a short version of passing multiple headers.

**Parameters:**

headerName - The name of the expected header

expectedValueMatcher - The Hamcrest matcher that must conform to the value

**Returns:**

the response specification

* + - **header**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) header([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) headerName,

[String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) expectedValue)

Validate that a response header matches the supplied name and value.

E.g. expect that the response of the GET request to "/something" contains header Pragma=no-cache:

get("/something").then().assertThat().header("Pragma", "no-cache");

You can also expect several headers:

get("/something").then().assertThat().header("Pragma", "no-cache").and().header("Content-Encoding", "gzip");

Also take a look at [headers(String, Object, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#headers-java.lang.String-java.lang.Object-java.lang.Object...-) for a short version of passing multiple headers.

**Parameters:**

headerName - The name of the expected header

expectedValue - The value of the expected header

**Returns:**

the response specification

* + - **cookies**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) cookies([Map](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true),?> expectedCookies)

Validate that response cookies matches those specified in a Map.

E.g. expect that the response of the GET request to "/something" contains cookies cookieName1=cookieValue1 and cookieName2=cookieValue2:

Map expectedCookies = new HashMap();

expectedCookies.put("cookieName1", "cookieValue1"));

expectedCookies.put("cookieName2", "cookieValue2");

get("/something").then().assertThat().cookies(expectedCookies);

You can also use Hamcrest matchers:

Map expectedCookies = new HashMap();

expectedCookies.put("cookieName1", containsString("Value1"));

expectedCookies.put("cookieName2", "cookieValue2");

get("/something").then().assertThat().cookies(expectedCookies);

**Parameters:**

expectedCookies - A Map of expected response cookies

**Returns:**

the response specification

* + - **cookie**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) cookie([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName)

Validate that a cookie exist in the response, regardless of value (it may have no value at all).

**Parameters:**

cookieName - the cookie to validate that it exists

**Returns:**

the response specification

* + - **cookies**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) cookies([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) firstExpectedCookieName,
    - [Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) firstExpectedCookieValue,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... expectedCookieNameValuePairs)

Validate that response cookies matches the supplied cookie names and values.

E.g. expect that the response of the GET request to "/something" contains cookies cookieName1=cookieValue1 and cookieName2=cookieValue2:

get("/something").then().assertThat().cookies("cookieName1", "cookieValue1", "cookieName2", "cookieValue2");

You can also use Hamcrest matchers:

get("/something").then().assertThat().cookies("cookieName1", containsString("Value1"), "cookieName2", equalsTo("cookieValue2"));

and you can even mix string matching and hamcrest matching:

get("/something").then().assertThat().cookies("cookieName1", containsString("Value1"), "cookieName2", "cookieValue2");

**Parameters:**

firstExpectedCookieName - The name of the first cookie

firstExpectedCookieValue - The value of the first cookie

expectedCookieNameValuePairs - A list of expected "cookie name" - "cookie value" pairs.

**Returns:**

the response specification

* + - **cookie**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) cookie([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName,

org.hamcrest.Matcher<?> expectedValueMatcher)

Validate that a response cookie matches the supplied cookie name and hamcrest matcher.

E.g. expect that the response of the GET request to "/something" contain cookie cookieName1=cookieValue1

get("/something").then().assertThat().cookie("cookieName1", containsString("Value1"));

You can also expect several cookies:

get("/something").then().assertThat().cookie("cookieName1", equalsTo("cookieValue1")).and().cookie("cookieName2", containsString("Value2"));

Also take a look at [cookies(String, Object, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookies-java.lang.String-java.lang.Object-java.lang.Object...-) for a short version of passing multiple cookies.

**Parameters:**

cookieName - The name of the expected cookie

expectedValueMatcher - The Hamcrest matcher that must conform to the value

**Returns:**

the response specification

* + - **cookie**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) cookie([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) cookieName,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true) expectedValue)

Validate that a response cookie matches the supplied name and value.

E.g. expect that the response of the GET request to "/something" contain cookie cookieName1=cookieValue1:

get("/something").then().assertThat().cookie("cookieName1", "cookieValue1");

You can also expect several cookies:

get("/something").then().assertThat().cookie("cookieName1", "cookieValue1").and().cookie("cookieName2", "cookieValue2");

Also take a look at [cookies(String, Object, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#cookies-java.lang.String-java.lang.Object-java.lang.Object...-) for a short version of passing multiple cookies.

**Parameters:**

cookieName - The name of the expected cookie

expectedValue - The value of the expected cookie

**Returns:**

the response specification

* + - **rootPath**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) rootPath([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath)

Set the root path of the response body so that you don't need to write the entire path for each expectation. E.g. instead of writing:

get(..).then().

body("x.y.firstName", is(..)).

body("x.y.lastName", is(..)).

body("x.y.age", is(..)).

body("x.y.gender", is(..)).

you can use a root path and do:

get(..).then().

rootPath("x.y").

body("firstName", is(..)).

body("lastName", is(..)).

body("age", is(..)).

body("gender", is(..));

Note that this method is exactly the same as [root(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-).

**Parameters:**

rootPath - The root path to use.

* + - **rootPath**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) rootPath([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath,

[List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)

Set the root path with arguments of the response body so that you don't need to write the entire path for each expectation.

Note that this method is exactly the same as [root(String, java.util.List)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-java.util.List-).

**Parameters:**

rootPath - The root path to use.

arguments - A list of arguments. The path and arguments follows the standard [formatting syntax](https://download.oracle.com/javase/1,5.0/docs/api/java/util/Formatter.html#syntax) of Java.

**See Also:**

[rootPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#rootPath-java.lang.String-)

* + - **root**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) root([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath,

[List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)

Set the root path with arguments of the response body so that you don't need to write the entire path for each expectation.

Note that this method is exactly the same as [rootPath(String, java.util.List)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html" \l "rootPath-java.lang.String-java.util.List-).

**Parameters:**

rootPath - The root path to use.

arguments - The list of substitution arguments. The path and arguments follows the standard [formatting syntax](https://download.oracle.com/javase/1,5.0/docs/api/java/util/Formatter.html#syntax) of Java..

**See Also:**

[rootPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#rootPath-java.lang.String-)

* + - **root**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) root([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) rootPath)

Set the root path of the response body so that you don't need to write the entire path for each expectation. E.g. instead of writing:

get(..).then().

body("x.y.firstName", is(..)).

body("x.y.lastName", is(..)).

body("x.y.age", is(..)).

body("x.y.gender", is(..));

you can use a root and do:

get(..).then().

root("x.y").

body("firstName", is(..)).

body("lastName", is(..)).

body("age", is(..)).

body("gender", is(..)).

Note that this method is exactly the same as [rootPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html" \l "rootPath-java.lang.String-) but slightly shorter.

**Parameters:**

rootPath - The root path to use.

* + - **noRoot**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) noRoot()

Reset the root path of the response body so that you don't need to write the entire path for each expectation. For example:

get(..).then().

root("x.y").

body("firstName", is(..)).

body("lastName", is(..)).

noRoot()

body("z.something1", is(..)).

body("w.something2", is(..));

This is the same as calling rootPath("") but more expressive. Note that this method is exactly the same as [noRootPath()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html" \l "noRootPath--) but slightly shorter.

**See Also:**

[root(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-)

* + - **noRootPath**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) noRootPath()

Reset the root path of the response body so that you don't need to write the entire path for each expectation. For example:

get(..).then().

rootPath("x.y").

body("firstName", is(..)).

body("lastName", is(..)).

noRootPath()

body("z.something1", is(..)).

body("w.something2", is(..)).

This is the same as calling rootPath("") but more expressive. Note that this method is exactly the same as [noRoot()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html" \l "noRoot--) but slightly more expressive.

**See Also:**

[root(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#root-java.lang.String-)

* + - **appendRoot**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) appendRoot([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToAppend)

Append the given path to the root path of the response body so that you don't need to write the entire path for each expectation. E.g. instead of writing:

get(..).then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

body("name.firstName", is(..)).

body("name.lastName", is(..));

you can use a append root and do:

get(..).then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

appendRoot("name").

body("firstName", is(..)).

body("lastName", is(..));

**Parameters:**

pathToAppend - The root path to use.

* + - **appendRoot**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) appendRoot([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToAppend,

[List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments)

Append the given path to the root path with arguments supplied of the response body so that you don't need to write the entire path for each expectation. This is mainly useful when you have parts of the path defined in variables. E.g. instead of writing:

String namePath = "name";

get(..).then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

body(namePath + "first", is(..)).

body(namePath + "last", is(..)).

you can use a append root and do:

String namePath = "name";

get(..).then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

appendRoot("%s", withArgs(namePath)).

body("first", is(..)).

body("last", is(..)).

**Parameters:**

pathToAppend - The root path to use. The path and arguments follows the standard [formatting syntax](https://download.oracle.com/javase/1,5.0/docs/api/java/util/Formatter.html#syntax) of Java.

* + - **detachRoot**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) detachRoot([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) pathToDetach)

Detach the given path from the root path. E.g. instead of writing:

when().

get(..);

then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

root("x").

body("firstName", is(..)).

body("lastName", is(..)).

you can use a append root and do:

when().

get(..);

then().

root("x.y").

body("age", is(..)).

body("gender", is(..)).

detachRoot("y").

body("firstName", is(..)).

body("lastName", is(..)).

**Parameters:**

pathToDetach - The root path to detach.

* + - **contentType**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) contentType([ContentType](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/http/ContentType.html" \o "enum in com.jayway.restassured.http) contentType)

Set the response content type to be contentType.

Note that this will affect the way the response is decoded. E,g. if you can't use JSON/XML matching (see e.g. [body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)) if you specify a content-type of "text/plain". If you don't specify the response content type REST Assured will automatically try to figure out which content type to use.

**Parameters:**

contentType - The content type of the response.

**Returns:**

the response specification

* + - **contentType**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) contentType([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) contentType)

Set the response content type to be contentType.

Note that this will affect the way the response is decoded. E,g. if you can't use JSON/XML matching (see e.g. [body(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)) if you specify a content-type of "text/plain". If you don't specify the response content type REST Assured will automatically try to figure out which content type to use.

**Parameters:**

contentType - The content type of the response.

**Returns:**

the response specification

* + - **contentType**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) contentType(org.hamcrest.Matcher<? super [String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> contentType)

Validate the response content type to be contentType.

**Parameters:**

contentType - The expected content type of the response.

**Returns:**

the response specification

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body(org.hamcrest.Matcher<?> matcher,

org.hamcrest.Matcher<?>... additionalMatchers)

Validate that the response body conforms to one or more Hamcrest matchers. E.g.

// Validate that the response body (content) contains the string "winning-numbers"

get("/lotto").then().assertThat().body(containsString("winning-numbers"));

// Validate that the response body (content) contains the string "winning-numbers" and "winners"

get("/lotto").then().assertThat().body(containsString("winning-numbers"), containsString("winners"));

**Parameters:**

matcher - The hamcrest matcher that must response body must match.

additionalMatchers - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,
    - [List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response using arguments. For example imagine that a resource "/x" returns the following JSON document:

{

"userId" : "my-id",

"my.href" : "http://localhost:8080/my-id"

}

you can then verify the href using:

get("/x").then().body("%s.href", withArgs("my"), new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher).

**Parameters:**

path - The body path

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[body(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response, for example another path. For example imagine that a resource "/x" returns the following JSON document:

{

"userId" : "my-id",

"href" : "http://localhost:8080/my-id"

}

you can then verify the href using:

get("/x").then().body("href", new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher).

Note that this method is the same as [content(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-) expect for syntactic differences.

**Parameters:**

path - The body path

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[body(String, java.util.List, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **body**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) body([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,
    - org.hamcrest.Matcher<?> matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

Validate that the JSON or XML response body conforms to one or more Hamcrest matchers.

**JSON example**

Assume that a GET request to "/lotto" returns a JSON response containing:

{ "lotto":{

"lottoId":5,

"winning-numbers":[2,45,34,23,7,5,3],

"winners":[{

"winnerId":23,

"numbers":[2,45,34,23,3,5]

},{

"winnerId":54,

"numbers":[52,3,12,11,18,22]

}]

}}

You can verify that the lottoId is equal to 5 like this:

get("/lotto").then().assertThat().body("lotto.lottoId", equalTo(5));

You can also verify that e.g. one of the the winning numbers is 45.

get("/lotto").then().assertThat().body("lotto.winning-numbers", hasItem(45));

Or both at the same time:

get("/lotto").then().assertThat().body("lotto.lottoId", equalTo(5)).and().body("lotto.winning-numbers", hasItem(45));

or a slightly short version:

get("/lotto").then().assertThat().body("lotto.lottoId", equalTo(5), "lotto.winning-numbers", hasItem(45));

**XML example**

Assume that a GET request to "/xml" returns a XML response containing:

<greeting>

<firstName>John</firstName>

<lastName>Doe</lastName>

</greeting>

You can now verify that the firstName is equal to "John" like this:

get("/xml").then().assertThat().body("greeting.firstName", equalTo("John"));

To verify both the first name and last name you can do like this:

get("/xml").then().assertThat().body("greeting.firstName", equalTo("John")).and().body("greeting.lastName", equalTo("Doe"));

Or the slightly shorter version of:

get("/xml").then().assertThat().body("greeting.firstName", equalTo("John"), "greeting.lastName", equalTo("Doe"));

**Notes**

Note that if the response body type is not of type application/xml or application/json you *cannot* use this verification.

The only difference between the content and body methods are of syntactic nature.

**Parameters:**

path - The body path

matcher - The hamcrest matcher that must response body must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,
    - [List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,
    - org.hamcrest.Matcher matcher,

[Object](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Object.html?is-external=true)... additionalKeyMatcherPairs)

Same as [body(String, java.util.List, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-org.hamcrest.Matcher-java.lang.Object...-) expect that you can pass arguments to the path. This is useful in situations where you have e.g. pre-defined variables that constitutes the path:

String someSubPath = "else";

int index = 1;

get("/x").then().assertThat().body("something.%s[%d]", withArgs(someSubPath, index), equalTo("some value")). ..

or if you have complex root paths and don't wish to duplicate the path for small variations:

get("/x").then()

root("filters.filterConfig[%d].filterConfigGroups.find { it.name == 'Gold' }.includes").

body(withArgs(0), hasItem("first")).

body(withArgs(1), hasItem("second")).

..

The path and arguments follows the standard [formatting syntax](https://download.oracle.com/javase/1,5.0/docs/api/java/util/Formatter.html#syntax) of Java.

Note that withArgs can be statically imported from the com.jayway.restassured.RestAssured class.

**Parameters:**

path - The body path

matcher - The hamcrest matcher that must response body must match.

additionalKeyMatcherPairs - Optionally additional hamcrest matchers that must return true.

**Returns:**

the response specification

**See Also:**

[content(String, org.hamcrest.Matcher, Object...)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-org.hamcrest.Matcher-java.lang.Object...-)

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,
    - [List](https://docs.oracle.com/javase/1.5.0/docs/api/java/util/List.html?is-external=true)<[Argument](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/Argument.html)> arguments,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response using arguments. For example imagine that a resource "/x" returns the following JSON document:

{

"userId" : "my-id",

"my.href" : "http://localhost:8080/my-id"

}

you can then verify the href using:

get("/x").then().content("%s.href", withArgs("my"), new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher). \*

Note that this method is the same as [body(String, java.util.List, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-) expect for syntactic differences.

**Parameters:**

path - The body path

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[content(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **content**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) content([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path,

[ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> responseAwareMatcher)

Compare a path in the response body to something available in the response, for example another path. For example imagine that a resource "/x" returns the following JSON document:

{

"userId" : "my-id",

"href" : "http://localhost:8080/my-id"

}

you can then verify the href using:

get("/x").then().content("href", new ResponseAwareMatcher() {

public Matcher matcher(Response response) {

return equalTo("http://localhost:8080/" + response.path("userId"));

}

});

Note that you can also use some of the predefined methods in [RestAssuredMatchers](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html" \o "class in com.jayway.restassured.matcher).

Note that this method is the same as [body(String, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#body-java.lang.String-com.jayway.restassured.matcher.ResponseAwareMatcher-) expect for syntactic differences.

**Parameters:**

path - The body path

responseAwareMatcher - The [ResponseAwareMatcher](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/ResponseAwareMatcher.html" \o "class in com.jayway.restassured.matcher) that creates the Hamcrest matcher.

**Returns:**

the response specification

**See Also:**

[content(String, java.util.List, com.jayway.restassured.matcher.ResponseAwareMatcher)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#content-java.lang.String-java.util.List-com.jayway.restassured.matcher.ResponseAwareMatcher-), [RestAssuredMatchers.endsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#endsWithPath-java.lang.String-), [RestAssuredMatchers.startsWithPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#startsWithPath-java.lang.String-), [RestAssuredMatchers.containsPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#containsPath-java.lang.String-), [RestAssuredMatchers.equalToPath(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/matcher/RestAssuredMatchers.html#equalToPath-java.lang.String-)

* + - **and**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) and()

Syntactic sugar, e.g.

get("/something").then().assertThat().body(containsString("OK")).and().body(containsString("something else"));

is that same as:

get("/something").then().assertThat().body(containsString("OK")).body(containsString("something else"));

**Returns:**

the response specification

* + - **using**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) using()

Syntactic sugar, e.g.

get("/something").then().using().defaultParser(JSON).assertThat().body(containsString("OK")).and().body(containsString("something else"));

is that same as:

get("/something").then().defaultParser(JSON).body(containsString("OK")).body(containsString("something else"));

**Returns:**

the response specification

* + - **assertThat**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) assertThat()

Syntactic sugar, e.g.

get("/something").then().assertThat().body(containsString("OK")).and().body(containsString("something else"));

is that same as:

get("/something").then().body(containsString("OK")).body(containsString("something else"));

**Returns:**

the response specification

* + - **spec**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) spec([ResponseSpecification](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/ResponseSpecification.html" \o "interface in com.jayway.restassured.specification) responseSpecificationToMerge)

Validate that the response matches an entire specification.

ResponseSpecification responseSpec = new ResponseSpecBuilder().expectStatusCode(200).build();

get("/something").then()

spec(responseSpec).

body("x.y.z", equalTo("something"));

This is useful when you want to reuse multiple different expectations in several tests.

The specification passed to this method is merged with the current specification. Note that the supplied specification can overwrite data in the current specification. The following settings are overwritten:

* + - * Content type
      * Root pathStatus code
      * Status line

The following settings are merged:

* + - * Response body expectations
      * Cookies
      * Headers

This method is the same as [specification(com.jayway.restassured.specification.ResponseSpecification)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#specification-com.jayway.restassured.specification.ResponseSpecification-) but the name is a bit shorter.

**Parameters:**

responseSpecificationToMerge - The specification to merge with.

**Returns:**

the response specification

* + - **specification**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) specification([ResponseSpecification](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/specification/ResponseSpecification.html) responseSpecificationToMerge)

Validate that the response matches an entire specification.

ResponseSpecification responseSpec = new ResponseSpecBuilder().expectStatusCode(200).build();

get("/something").then().

specification(responseSpec).

body("x.y.z", equalTo("something"));

This is useful when you want to reuse multiple different expectations in several tests.

The specification passed to this method is merged with the current specification. Note that the supplied specification can overwrite data in the current specification. The following settings are overwritten:

* + - * Content type
      * Root pathStatus code
      * Status line

The following settings are merged:

* + - * Response body expectations
      * Cookies
      * Headers

This method is the same as [spec(com.jayway.restassured.specification.ResponseSpecification)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html#spec-com.jayway.restassured.specification.ResponseSpecification-) but the name is a bit longer.

**Parameters:**

responseSpecificationToMerge - The specification to merge with.

**Returns:**

the response specification

* + - **parser**
    - [T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) parser([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) contentType,

[Parser](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/parsing/Parser.html) parser)

Register a content-type to be parsed using a predefined parser. E.g. let's say you want parse content-type application/custom with the XML parser to be able to verify the response using the XML dot notations:

get("/x").then().assertThat().body("document.child", equalsTo("something")

Since application/custom is not registered to be processed by the XML parser by default you need to explicitly tell REST Assured to use this parser before making the request:

get("/x").then().parser("application/custom", Parser.XML).assertThat(). ..;

You can also specify by it for every response by using:

RestAssured.registerParser("application/custom", Parser.XML);

**Parameters:**

contentType - The content-type to register

parser - The parser to use when verifying the response.

* + - **defaultParser**

[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html) defaultParser([Parser](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/parsing/Parser.html) parser)

Register a default predefined parser that will be used if no other parser (registered or pre-defined) matches the response content-type. E.g. let's say that for some reason no content-type is defined in the response but the content is nevertheless JSON encoded. To be able to expect the content in REST Assured you need to set the default parser:

get("/x").then().using().defaultParser(Parser.JSON).assertThat(). ..;

You can also specify it for every response by using:

RestAssured.defaultParser(Parser.JSON);

**Parameters:**

parser - The parser to use when verifying the response if no other parser is found for the response content-type.

* + - **extract**

[ExtractableResponse](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html)<[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> extract()

Extract values from the response or return the response instance itself. This is useful for example if you want to use values from the response in sequent requests. For example given that the resource title returns the following JSON

{

"title" : "My Title",

"\_links": {

"self": { "href": "/title" },

"next": { "href": "/title?page=2" }

}

}

and you want to validate that content type is equal to JSON and the title is equal to My Title but you also want to extract the link to the "next" title to use that in a subsequent request. This is how:

String nextTitleLink =

given().

param("param\_name", "param\_value").

when().

get("/title").

then().

contentType(JSON).

body("title", equalTo("My Title")).

extract().

path("\_links.next.href");

get(nextTitleLink). ..

**Returns:**

An instance of [ExtractableResponse](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html" \o "interface in com.jayway.restassured.response).

* + - **log**

[ValidatableResponseLogSpec](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseLogSpec.html)<[T](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html),[R](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseOptions.html)> log()

Returns the [ValidatableResponseLogSpec](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ValidatableResponseLogSpec.html" \o "interface in com.jayway.restassured.response) that allows you to log different parts of the [Response](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Response.html). This is mainly useful for debug purposes when writing your tests. I

**Returns:**

the validatable response log specification