com.jayway.restassured.response

**Interface ExtractableResponse<R extends [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 Superinterfaces:**

[ResponseBodyData](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyData.html), [ResponseBodyExtractionOptions](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html" \o "interface in com.jayway.restassured.response)

**All Known Implementing Classes:**

[RestAssuredResponseImpl](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/internal/RestAssuredResponseImpl.html), [RestAssuredResponseOptionsImpl](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/internal/RestAssuredResponseOptionsImpl.html" \o "class in com.jayway.restassured.internal)

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

The response of a request made by REST Assured.

Usage example:

Response response = get("/lotto");

String body = response.getBody().asString();

String headerValue = response.getHeader("headerName");

String cookieValue = response.getCookie("cookieName");

You can also map the response body to a Java object automatically. REST Assured will use Jackson, Gson and JAXB to accommodate this:

Message message = get("/message").as(Message.class);

* + ***Method Summary***

|  |  |
| --- | --- |
| **All Methods**[**Instance Methods**](javascript:show(2);)[**Abstract Methods**](javascript:show(4);) | |
| **Modifier and Type** | **Method and Description** |
| [**ResponseBodyExtractionOptions**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html) | [**body**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#body--)()  Returns the response body |
| [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) | [**contentType**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#contentType--)()  Get the content type of the response |
| [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) | [**cookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#cookie-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) name)  Get a single cookie *value* associated with the given name. |
| [**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" \o "class or interface in java.lang)**,[**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> | [**cookies**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#cookies--)()  The response cookies as simple name/value pair. |
| [**Cookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Cookie.html) | [**detailedCookie**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#detailedCookie-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) name)  Get a single cookie including all attributes associated with the given name. |
| [**Cookies**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Cookies.html) | [**detailedCookies**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#detailedCookies--)()  The response cookies with all the attributes. |
| [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) | [**header**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#header-java.lang.String-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) name)  Get a single header value associated with the given name. |
| [**Headers**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Headers.html) | [**headers**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#headers--)()  The response headers. |
| [**R**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html) | [**response**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#response--)() |
| [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) | [**sessionId**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#sessionId--)()  Get the session id from the response. |
| Int | [**statusCode**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#statusCode--)()  Get the status code of the response. |
| [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) | [**statusLine**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html#statusLine--)()  Get the status line of the response. |

* + - **Methods inherited from interface com.jayway.restassured.response.**[**ResponseBodyExtractionOptions**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html)

[as](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#as-java.lang.Class-), [as](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#as-java.lang.Class-com.jayway.restassured.mapper.ObjectMapper-), [as](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#as-java.lang.Class-com.jayway.restassured.internal.mapper.ObjectMapperType-), [htmlPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#htmlPath--), [jsonPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#jsonPath--), [jsonPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#jsonPath-com.jayway.restassured.path.json.config.JsonPathConfig-), [path](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#path-java.lang.String-java.lang.String...-), [xmlPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#xmlPath--), [xmlPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#xmlPath-com.jayway.restassured.path.xml.XmlPath.CompatibilityMode-), [xmlPath](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#xmlPath-com.jayway.restassured.path.xml.config.XmlPathConfig-)

* + - **Methods inherited from interface com.jayway.restassured.response.**[**ResponseBodyData**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyData.html)

[asByteArray](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyData.html#asByteArray--), [asInputStream](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyData.html" \l "asInputStream--), [asString](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyData.html" \l "asString--)

* + ***Method Detail***
    - **body**

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

Returns the response body

**Returns:**

The response body.

* + - **headers**

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

The response headers. If there are several response headers with the same name a list of the response header values are returned.

**Returns:**

The response headers.

* + - **header**

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

Get a single header value associated with the given name. If the header is a multi-value header then you need to use [Headers.getList(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/Headers.html" \l "getList-java.lang.String-) in order to get all values.

**Returns:**

The header value or null if value was not found.

* + - **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" \o "class or interface in java.lang),[String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)> cookies()

The response cookies as simple name/value pair. It assumes that no cookies have the same name. If two cookies should never the less have the same name *the Last cookie value* is used. If you want to return ALL cookies including all the details such as Max-Age etc use [detailedCookies()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html" \l "detailedCookies--).

**Returns:**

The response cookies.

* + - **detailedCookies**

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

The response cookies with all the attributes. It also gives you the possibility to get multi-value cookies.

**Returns:**

The response cookies.

* + - **cookie**

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

Get a single cookie *value* associated with the given name. If you want more details than just the value use [detailedCookie(String)](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ExtractableResponse.html" \l "detailedCookie-java.lang.String-).

**Returns:**

The cookie value or null if value was not found.

* + - **detailedCookie**

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

Get a single cookie including all attributes associated with the given name.

**Returns:**

The cookie value or null if value was not found.

* + - **contentType**

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

Get the content type of the response

**Returns:**

The content type value or null if not found.

* + - **statusLine**

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

Get the status line of the response.

**Returns:**

The status line of the response.

* + - **sessionId**

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

Get the session id from the response. The session id name can be configured from the [SessionConfig](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/config/SessionConfig.html" \o "class in com.jayway.restassured.config).

**Returns:**

The session id of the response or null if not defined.

* + - **statusCode**

int statusCode()

Get the status code of the response.

**Returns:**

The status code of the response.

* + - **response**

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

**Returns:**

The entire response object including headers, cookies and body etc.