com.jayway.restassured.response

**Interface ResponseBodyExtractionOptions**

* **All Superinterfaces:**

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

**All Known Subinterfaces:**

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

**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 **ResponseBodyExtractionOptions**

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

* + ***Method Summary***

|  |  |
| --- | --- |
| **All Methods**[**Instance Methods**](javascript:show(2);)[**Abstract Methods**](javascript:show(4);) | |
| **Modifier and Type** | **Method and Description** |
| <T> T | [**as**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#as-java.lang.Class-)([**Class**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls)  Get the body and map it to a Java object. |
| <T> T | [**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-)([**Class**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls, **[ObjectMapper](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/mapper/ObjectMapper.html" \o "interface in com.jayway.restassured.mapper)** mapper)  Get the body and map it to a Java object using a specific object mapper. |
| <T> T | [**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-)([**Class**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls, **[ObjectMapperType](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/internal/mapper/ObjectMapperType.html" \o "enum in com.jayway.restassured.internal.mapper)** mapperType)  Get the body and map it to a Java object using a specific object mapper type. |
| [**XmlPath**](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) | [**htmlPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#htmlPath--)()  Get an XmlPath view of the response body that uses **[XmlPath.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml)** HTML. |
| [**JsonPath**](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/JsonPath.html?is-external=true) | [**jsonPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#jsonPath--)()  Get a JsonPath view of the response body. |
| [**JsonPath**](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/JsonPath.html?is-external=true) | [**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-)(**[JsonPathConfig](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/config/JsonPathConfig.html?is-external=true" \o "class or interface in com.jayway.restassured.path.json.config)** config)  Get a JsonPath view of the response body using the specified configuration. |
| <T> T | [**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...-)([**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [**String**](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)... arguments)  Get a value from the response body using the JsonPath or XmlPath syntax. |
| [**XmlPath**](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) | [**xmlPath**](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#xmlPath--)()  Get an XmlPath view of the response body. |
| [**XmlPath**](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) | [**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.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml)** compatibilityMode)  Get an XmlPath view of the response body but also pass in a **[XmlPath.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml)**. |
| [**XmlPath**](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) | [**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-)(**[XmlPathConfig](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/config/XmlPathConfig.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml.config)** config)  Get an XmlPath view of the response body with a given configuration. |

* + - **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***
    - **as**

<T> T as([Class](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls)

Get the body and map it to a Java object. For JSON responses this requires that you have either

* + - 1. Jackson, or
      2. Gson

in the classpath or for XML responses it requires JAXB to be in the classpath.  
It also requires that the response content-type is either JSON or XML or that a default parser has been been set. You can also force a specific object mapper using [as(Class, com.jayway.restassured.mapper.ObjectMapper)](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-).

**Returns:**

The object

* + - **as**
    - <T> T as([Class](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls,

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

Get the body and map it to a Java object using a specific object mapper type. It will use the supplied mapper regardless of the response content-type.

**Returns:**

The object

* + - **as**
    - <T> T as([Class](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/Class.html?is-external=true)<T> cls,

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

Get the body and map it to a Java object using a specific object mapper. It will use the supplied mapper regardless of the response content-type.

**Returns:**

The object

* + - **jsonPath**

[JsonPath](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/JsonPath.html?is-external=true) jsonPath()

Get a JsonPath view of the response body. This will let you use the JsonPath syntax to get values from the response. Example:

Assume that the GET request (to http://localhost:8080/lotto) returns JSON as:

{

"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 the make the request and get the winner id's by using JsonPath:

List winnerIds = get("/lotto").jsonPath().getList("lotto.winnders.winnerId");

* + - **jsonPath**

[JsonPath](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/JsonPath.html?is-external=true) jsonPath([JsonPathConfig](https://maven.apache.org/apidocs/com/jayway/restassured/path/json/config/JsonPathConfig.html?is-external=true" \o "class or interface in com.jayway.restassured.path.json.config) config)

Get a JsonPath view of the response body using the specified configuration.

**Parameters:**

config - The configuration to use

**See Also:**

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

* + - **xmlPath**

[XmlPath](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) xmlPath()

Get an XmlPath view of the response body. This will let you use the XmlPath syntax to get values from the response. Example:

Imagine that a POST request to http://localhost:8080/greetXML returns:

<greeting>

<firstName>John</firstName>

<lastName>Doe</lastName>

</greeting>

You can the make the request and get the winner id's by using JsonPath:

String firstName = get("/greetXML").xmlPath().getString("greeting.firstName");

* + - **xmlPath**

[XmlPath](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) xmlPath([XmlPathConfig](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/config/XmlPathConfig.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml.config) config)

Get an XmlPath view of the response body with a given configuration.

**Parameters:**

config - The configuration of the XmlPath

**See Also:**

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

* + - **xmlPath**

[XmlPath](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) xmlPath([XmlPath.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml) compatibilityMode)

Get an XmlPath view of the response body but also pass in a [XmlPath.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml). This is mainly useful if you want to parse HTML documents.

**Parameters:**

compatibilityMode - The compatibility mode to use

**See Also:**

[htmlPath()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#htmlPath--), [xmlPath()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html" \l "xmlPath--)

* + - **htmlPath**

[XmlPath](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.html?is-external=true) htmlPath()

Get an XmlPath view of the response body that uses [XmlPath.CompatibilityMode](https://code.google.com/p/rest-assured/xml-path/apidocs/com/jayway/restassured/path/xml/XmlPath.CompatibilityMode.html?is-external=true" \o "class or interface in com.jayway.restassured.path.xml) HTML. This is mainly useful when parsing HTML documents.

Note that this is the same as calling [xmlPath(com.jayway.restassured.path.xml.XmlPath.CompatibilityMode)](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-) with CompatibilityMode HTML.

* + - **path**
    - <T> T path([String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true) path, [String](https://docs.oracle.com/javase/1.5.0/docs/api/java/lang/String.html?is-external=true)... arguments)

Get a value from the response body using the JsonPath or XmlPath syntax. REST Assured will automatically determine whether to use JsonPath or XmlPath based on the content-type of the response. If no content-type is defined then REST Assured will try to look at the "default parser" if defined (RestAssured.defaultParser).

Note that you can also also supply arguments, for example:

String z = get("/x").path("x.y.%s", "z");

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.

**Type Parameters:**

T - The return type

**Parameters:**

path - The json- or xml path

arguments - Options arguments

**Returns:**

The value returned by the path

**See Also:**

[jsonPath()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html#jsonPath--), [xmlPath()](https://www.javadoc.io/static/com.jayway.restassured/rest-assured/2.4.0/com/jayway/restassured/response/ResponseBodyExtractionOptions.html" \l "xmlPath--)