



# HttpResponse Class

Use the `HttpResponse` class to handle the HTTP response returned by the `Http` class.

## Namespace

System

## Usage

Use the XML classes or JSON Classes to parse XML or JSON content in the body of a response accessed by `HttpResponse`.

## Example

In the following `getXmlStreamReader` example, content is retrieved via an HTTP callout, then the XML is parsed using the `XmlStreamReader` class.

```
public class ReaderFromCalloutSample {
    public void getAndParse() {

        // Get the XML document from the endpoint
        Http http = new Http();
        HttpRequest req = new HttpRequest();
        req.setEndpoint(URL.getOrgDomainUrl().toExternalForm() + '/services/data');
        req.setMethod('GET');
        req.setHeader('Accept', 'application/xml');
        HttpResponse res = http.send(req);

        // Log the XML content
        System.debug(res.getBody());

        // Generate the HTTP response as an XML stream
        XmlStreamReader reader = res.getXmlStreamReader();

        // Read through the XML
        while(reader.hasNext()) {
            System.debug('Event Type: ' + reader.getEventType());
            if (reader.getEventType() == XmlTag.START_ELEMENT) {
                System.debug(reader.getLocalName());
            }
            reader.next();
        }
    }
}
```

### See Also

- [Apex Developer Guide: JSON Support](#)
- [Apex Developer Guide: XML Support](#)



Retrieves the body returned in the response.

- **[getBodyAsBlob\(\)](#)**  
Retrieves the body returned in the response as a Blob.
- **[getBodyDocument\(\)](#)**  
Retrieves the body returned in the response as a DOM document.
- **[getHeader\(key\)](#)**  
Retrieves the contents of the response header.
- **[getHeaderKeys\(\)](#)**  
Retrieves an array of header keys returned in the response.
- **[getStatus\(\)](#)**  
Retrieves the status message returned for the response.
- **[getStatusCode\(\)](#)**  
Retrieves the value of the status code returned in the response.
- **[getXmlStreamReader\(\)](#)**  
Returns an `XmlStreamReader` that parses the body of the callout response.
- **[setBody\(body\)](#)**  
Specifies the body returned in the response.
- **[setBodyAsBlob\(body\)](#)**  
Specifies the body returned in the response using a Blob.
- **[setHeader\(key, value\)](#)**  
Specifies the contents of the response header.
- **[setStatus\(status\)](#)**  
Specifies the status message returned in the response.
- **[setStatusCode\(statusCode\)](#)**  
Specifies the value of the status code returned in the response.
- **[toString\(\)](#)**  
Returns the status message and status code returned in the response, for example:

## getBody()

Retrieves the body returned in the response.

### Signature

```
public String getBody()
```

### Return Value

Type: [String](#)

### Usage

Limit 6 MB for synchronous Apex or 12 MB for asynchronous Apex. The HTTP request and response sizes count towards the total heap size.

## getBodyAsBlob()

Retrieves the body returned in the response as a Blob.

### Signature

```
public Blob getBodyAsBlob()
```

### Return Value

Type: [Blob](#)



## getBodyDocument()

Retrieves the body returned in the response as a DOM document.

### Signature

```
public Dom.Document getBodyDocument()
```

### Return Value

Type: `Dom.Document`

### Example

Use it as a shortcut for:

```
String xml = httpResponse.getBody();  
Dom.Document domDoc = new Dom.Document(xml);
```



## getHeader(key)

Retrieves the contents of the response header.

### Signature

```
public String getHeader(String key)
```

### Parameters

#### *key*

Type: `String`

### Return Value

Type: `String`

## getHeaderKeys()

Retrieves an array of header keys returned in the response.

### Signature

```
public String[] getHeaderKeys()
```

### Return Value

Type: `String[]`

## getStatus()

Retrieves the status message returned for the response.

### Signature

```
public String getStatus()
```

### Return Value

Type: `String`



```
public Integer getStatusCode()
```

#### Return Value

Type: [Integer](#)

## getXmlStreamReader()

Returns an `XmlStreamReader` that parses the body of the callout response.

#### Signature

```
public XmlStreamReader getXmlStreamReader()
```

#### Return Value

Type: [System.XmlStreamReader](#)

#### Usage

Use it as a shortcut for:

```
String xml = httpResponse.getBody();
XmlStreamReader xsr = new XmlStreamReader(xml);
```

## setBody(body)

Specifies the body returned in the response.

#### Signature

```
public Void setBody(String body)
```

#### Parameters

##### *body*

Type: [String](#)

#### Return Value

Type: `Void`

## setBodyAsBlob(body)

Specifies the body returned in the response using a `Blob`.

#### Signature

```
public Void setBodyAsBlob(Blob body)
```

#### Parameters

##### *body*

Type: [Blob](#)

#### Return Value

Type: `Void`



```
public Void setHeader(String key, String value)
```

#### Parameters

*key*

Type: [String](#)

*value*

Type: [String](#)

#### Return Value

Type: Void

### setStatus(status)

Specifies the status message returned in the response.

#### Signature

```
public Void setStatus(String status)
```

#### Parameters

*status*

Type: [String](#)

#### Return Value

Type: Void

### setStatusCode(statusCode)

Specifies the value of the status code returned in the response.

#### Signature

```
public Void setStatusCode(Integer statusCode)
```

#### Parameters

*statusCode*

Type: [Integer](#)

#### Return Value

Type: Void

### toString()

Returns the status message and status code returned in the response, for example:

#### Signature

```
public String toString()
```

#### Return Value

Type: [String](#)

#### Example



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