

# Check command

The **check** command was released in October 2019 as part of WebSpellChecker 5.5.4x. It combines all available check types (spelling and grammar) of text in a single command.

 **Command name:** check

## Entry point

`https://your_host_name:443/virtual_directory/api?`

Here is a list of all possible parameters and values that can be used with the **check** command.

 The list of parameters can be used and is available only when a spelling **check is enabled**. These parameters are marked yellow.

| #  | Parameter         | Possible values                                                                                                                         | Default value | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | format            | <ul style="list-style-type: none"><li>json</li><li>xml</li></ul>                                                                        | json          | The parameter sets a response format for output data.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2  | callback          | <ul style="list-style-type: none"><li>callback function name</li></ul>                                                                  |               | The parameter specifies a callback function name that will be used to manipulate the JSON data received from the server. Such an approach enables sharing of data, bypassing same-origin policy. It can be used only along with "format=json".                                                                                                                                                                                                                                                        |
| 3  | text              | <ul style="list-style-type: none"><li>plain text</li></ul>                                                                              |               | The parameter defines a text which will be sent for check. The text has to be in the UTF-8 encoding. Any found tags in the text will be interpreted as plain text as well. Note, that you shouldn't use # and & symbols in the text.                                                                                                                                                                                                                                                                  |
| 4  | tokens            | <ul style="list-style-type: none"><li>Array of strings, e.g. ["This is a sentence number 1.", "This is a sentence number 2."]</li></ul> |               | The parameter defines a text separated into tokens that will be sent for check. The text should be presented as an array of strings. Right now, each string is a token which equals one sentence. <div> You can use either <b>tokens</b> or <b>text</b> at a time in a request. However, using <b>text</b> is more common.</div>                                                                                   |
| 5  | lang              | <ul style="list-style-type: none"><li><a href="#">Supported languages</a></li></ul>                                                     | en_US         | The parameter sets a short code of a language which will be used for check.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6  | disable_spelling  | <ul style="list-style-type: none"><li>true</li><li>false</li></ul>                                                                      | false         | The parameter regulates whether to check text for spelling errors.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 7  | disable_grammar   | <ul style="list-style-type: none"><li>true</li><li>false</li></ul>                                                                      | false         | The parameter regulates whether to check text for grammar and style problems.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8  | user_dictionary   | <ul style="list-style-type: none"><li>user dictionary name (e.g. testdict)</li></ul>                                                    |               | The parameter specifies a user dictionary name which will be used during check spelling.                                                                                                                                                                                                                                                                                                                                                                                                              |
| 9  | user_wordlist     | <ul style="list-style-type: none"><li>additional wordlist</li></ul>                                                                     |               | The parameter provides the list of additional comma-separated words which will be used for spell checking.                                                                                                                                                                                                                                                                                                                                                                                            |
| 10 | custom_dictionary | <ul style="list-style-type: none"><li>custom dictionary IDs (e.g. 100694)</li></ul>                                                     |               | The parameter specifies global custom dictionary IDs which can be used during check spelling. <div> Each new Dictionary on the creation obtains its unique Dictionary ID. You can find information about your custom dictionaries by logging in to your account panel on <a href="https://webspellchecker.com">webspellchecker.com</a> website (Login -&gt; Dictionaries -&gt; List of Custom Dictionaries).</div> |

|    |                           |                                                                                                                                                                                                                     |       |                                                                                                                                                                                                                                                                                                                                                                       |
|----|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11 | ignore_all_caps           | <ul style="list-style-type: none"> <li>0 – Do not ignore all words written in capital letters (e.g. UPPERCASE).</li> <li>1 – Ignore all words written in capital letters.</li> </ul>                                | 0     | The parameter regulates whether to ignore capitalized words or not.                                                                                                                                                                                                                                                                                                   |
| 12 | ignore_words_with_numbers | <ul style="list-style-type: none"> <li>0 – Do not ignore words that contain numbers (e.g. Number1).</li> <li>1 – Ignore words that contain numbers.</li> </ul>                                                      | 0     | The parameter regulates whether to ignore words containing numbers or not.                                                                                                                                                                                                                                                                                            |
| 13 | ignore_mixed_case         | <ul style="list-style-type: none"> <li>0 – Do not ignore words with mixed case letters (e.g. MixedCase).</li> <li>1 – Ignore words with mixed case letters.</li> </ul>                                              | 0     | The parameter regulates whether to ignore words written with mixed case letters or not.                                                                                                                                                                                                                                                                               |
| 14 | ignore_domain_names       | <ul style="list-style-type: none"> <li>0 – Do not ignore web addresses that start with either "www", "http:" or "https:" and end with a domain name.</li> <li>1 – Ignore web addresses and domain names.</li> </ul> | 0     | The parameter regulates whether to ignore domain names, web addresses or not.                                                                                                                                                                                                                                                                                         |
| 15 | min_word_length           | <ul style="list-style-type: none"> <li>minimal number of letters in a word to be checked</li> </ul>                                                                                                                 | 3     | The parameter specifies the minimal number of letters in the word which will be checked for spelling. E.g. if 3 is specified, the words with 2 letters and less will be ignored.                                                                                                                                                                                      |
| 16 | custom_punctuation        | <ul style="list-style-type: none"> <li>string of chars (e.g. "-")</li> </ul>                                                                                                                                        | -     | The parameter defines a list of characters that should be considered as delimiters during spelling check.                                                                                                                                                                                                                                                             |
| 17 | short_answer              | <ul style="list-style-type: none"> <li>true</li> <li>false</li> </ul>                                                                                                                                               | false | <p>The parameter is responsible for shortening every static string JSON key name, like messages or type, down to its first character, like:</p> <ul style="list-style-type: none"> <li><i>m</i> - matches, message</li> <li><i>o</i> - offset</li> <li><i>l</i> - length</li> <li><i>t</i> - type</li> <li><i>r</i> - rule</li> <li><i>s</i> - suggestions</li> </ul> |

## Response structure

The **result** is an array of objects which contains matches, where **matches** is also an array of objects consisting of attribute-value pairs.

The table below represents the following attribute-value pairs:

| Attribute          | Type             | Value                                                                       | Description |
|--------------------|------------------|-----------------------------------------------------------------------------|-------------|
| <b>type</b>        | string           | <ul style="list-style-type: none"> <li>spelling</li> <li>grammar</li> </ul> |             |
| <b>offset</b>      | number           |                                                                             |             |
| <b>length</b>      | number           |                                                                             |             |
| <b>ud</b>          | boolean          | <ul style="list-style-type: none"> <li>true</li> </ul>                      |             |
| <b>suggestions</b> | array of strings |                                                                             |             |

**Type: Spelling**

```
{
  "result": [
    {
      "matches": [
        {
          "type": "spelling",
          "offset": X1,
          "length": Y1,
          "ud": true,
          "uggestions": ["..."]
        }
      ]
    }
  ]
}
```

**Type: Grammar**

```
{
  "result": [
    {
      "matches": [
        {
          "type": "grammar",
          "offset": X2,
          "length": Y2,
          "rule": "...",
          "message": "...",
          "uggestions": ["..."]
        }
      ]
    }
  ]
}
```

**Example 1.1 [GET]: Check request for American English text with all available check types (output in JSON)****Request URL (GET):**

http(s)://server\_entry\_point/?cmd=check&text=this sampl text demonstrates the work of the Web API service.  
&lang=en\_US&format=json

**Parameters:**

- Command: *check*
- Text: *this sampl text demonstrates the work of the Web API service.*
- Language: *en\_US*
- Format: *json*

**Request Response:**

```

{
  "result": [
    {
      "matches": [
        {
          "type": "spelling",
          "offset": 5,
          "length": 5,
          "suggestions": [
            "sample",
            "sampled",
            "sampler",
            "samples",
            "ample",
            "amply",
            "scamp",
            "stamp"
          ]
        },
        {
          "type": "grammar",
          "offset": 0,
          "length": 4,
          "rule": "UPPERCASE_SENTENCE_START",
          "message": "This sentence does not start with an uppercase letter",
          "suggestions": [
            "This"
          ]
        }
      ]
    }
  ]
}

```

### Example 1.2 [GET]: Check request for American English text with all available check types (output in XML)

#### Request URL (GET):

http(s)://server\_entry\_point/?cmd=check&text=this sampl text demonstrates the work of the Web API service.  
&lang=en\_US&format=xml

#### Parameters:

- Command: *check*
- Text: *this sampl text demonstrates the work of the Web API service.*
- Language: *en\_US*
- Format: *xml*

#### Request Response:

```

<result>
  <result>
    <matches>
      <matches>
        <type>spelling</type>
        <offset>5</offset>
        <length>5</length>
        <suggestions>
          <suggestions>sample</suggestions>
          <suggestions>sampld</suggestions>
          <suggestions>sampler</suggestions>
          <suggestions>samples</suggestions>
          <suggestions>ample</suggestions>
          <suggestions>amply</suggestions>
          <suggestions>scamp</suggestions>
          <suggestions>stamp</suggestions>
        </suggestions>
      </matches>
      <type>grammar</type>
      <offset>0</offset>
      <length>4</length>
      <rule>UPPERCASE_SENTENCE_START</rule>
      <message>This sentence does not start with an uppercase letter</message>
      <suggestions>
        <suggestions>This</suggestions>
      </suggestions>
    </matches>
  </result>
</result>

```

### Example 1.3 [GET]: Check request for American English text as two tokens with all available check types (output in JSON)

#### Request URL (GET):

https://server\_entry\_point/?cmd=check&tokens=["this sampl text.", " It demonstrate the work of the Web API service."]&lang=en\_US

#### Parameters:

- Command: *check*
- Tokens: *["this sampl text.", " It demonstrate the work of the Web API service."]*
- Language: *en\_US*
- Format: *json*

#### Request Response:

```
{
  "result": [
    {
      "matches": [
        {
          "type": "spelling",
          "offset": 5,
          "length": 5,
          "suggestions": [
            "sample",
            "sampled",
            "sampler",
            "samples",
            "ample",
            "amply",
            "scamp",
            "stamp"
          ]
        },
        {
          "type": "grammar",
          "offset": 0,
          "length": 4,
          "rule": "UPPERCASE_SENTENCE_START",
          "message": "This sentence does not start with an uppercase letter",
          "suggestions": [
            "This"
          ]
        }
      ]
    },
    {
      "matches": [
        {
          "type": "grammar",
          "offset": 4,
          "length": 11,
          "rule": "IT_VBZ",
          "message": "Did you mean demonstrates?",
          "suggestions": [
            "demonstrates"
          ]
        }
      ]
    }
  ]
}
```

#### Example 1.4 [GET]: Check request for American English text as two tokens with all available check types and shortened response (output in JSON)

##### Request URL (GET):

`https://server_entry_point/?cmd=check&tokens=["this sampl text.", " It demonstrate the work of the Web API service."]&lang=en_US&short_answer=true`

##### Parameters:

- Command: *check*
- Tokens: *["this sampl text.", " It demonstrate the work of the Web API service."]*
- Language: *en\_US*
- Format: *json*
- Short Answer: *true*

##### Request Response:

```
{
  "r": [
    {
      "m": [
        {
          "t": "spelling",
          "o": 5,
          "l": 5,
          "s": [
            "sample",
            "sampled",
            "sampler",
            "samples",
            "ample",
            "amply",
            "scamp",
            "stamp"
          ]
        },
        {
          "t": "grammar",
          "o": 0,
          "l": 4,
          "r": "UPPERCASE_SENTENCE_START",
          "m": "This sentence does not start with an uppercase letter",
          "s": [
            "This"
          ]
        }
      ]
    },
    {
      "m": [
        {
          "t": "grammar",
          "o": 4,
          "l": 11,
          "r": "IT_VBZ",
          "m": "Did you mean demonstrates?",
          "s": [
            "demonstrates"
          ]
        }
      ]
    }
  ]
}
```

#### Example 1.4 [POST]: Check request for American English text with all available check types (output in JSON)

Here we use the same request and parameters as described in **example 1.1** but form it as a POST request.

##### Request URL (POST):

`https://server_entry_point/?`

##### Body (Raw):

`cmd=check&text=this sampl text demonstrates the work of the Web API service.&lang=en_US&format=json`

#### Request Response:

```
{
  "result": [
    {
      "matches": [
        {
          "type": "spelling",
          "offset": 5,
          "length": 5,
          "suggestions": [
            "sample",
            "sampled",
            "sampler",
            "samples",
            "ample",
            "amply",
            "scamp",
            "stamp"
          ]
        },
        {
          "type": "grammar",
          "offset": 0,
          "length": 4,
          "rule": "UPPERCASE_SENTENCE_START",
          "message": "This sentence does not start with an uppercase letter",
          "suggestions": [
            "This"
          ]
        }
      ]
    }
  ]
}
```