
Google API Web Service

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Google API Web Service

Description

The Google API Web Service contains a set of methods that provide access to Google's search engine.

Type

SOAP

Style

RPC

See Also

[Methods](#) | [Complex Types](#) | [Elements](#) | [Attributes](#)

Methods: Google API

Methods

Name	Description
doGetCachedPage	Get a web page from Google's page cache.
doGoogleSearch	Search Google for a word or phrase.
doSpellingSuggestion	Get a spelling suggestion for a word or phrase.

Method: doGetCachedPage

Description

Get a web page from Google's page cache.

Action

urn:GoogleSearchAction

Style

RPC

Input (Encoded)

The inputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
key	xsd:string	1..1	A Google API key issued when you sign up for services.
url	xsd:string	1..1	URL of the web page to get from the cache.

Output (Encoded)

The outputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
return	xsd:base64Binary	1..1	Cached contents of the page.

Method: doGoogleSearch

Description

Search Google for a word or phrase.

Action

urn:GoogleSearchAction

Style

RPC

Input (Encoded)

The inputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
key	xsd:string	1..1	A Google API key issued when you sign up for services.
q	xsd:string	1..1	Search word or phrase.
start	xsd:int	1..1	Starting result index.
maxResults	xsd:int	1..1	Maximum number of results to return.
filter	xsd:boolean	1..1	Flag indicating if duplicate results should be filtered.
restrict	xsd:string	1..1	Used to limit results to particular types of sites.
safeSearch	xsd:boolean	1..1	Flag indicating if adult sites should be filtered.
lr	xsd:string	1..1	Language code used to get results for a particular language.
ie	xsd:string	1..1	Input encoding. Must be utf-8.
oe	xsd:string	1..1	Output encoding. Must be utf-8.

Output (Encoded)

The outputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
return	typens:GoogleSearchResult	1..1	Results of the search.

Method: doSpellingSuggestion

Description

Get a spelling suggestion for a word or phrase.

Action

urn:GoogleSearchAction

Style

RPC

Input (Encoded)

The inputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
key	xsd:string	1..1	A Google API key issued when you sign up for services.
phrase	xsd:string	1..1	The word or phrase to spell check.

Output (Encoded)

The outputs of this method are the arguments defined by the following table.

Argument	Type	Occurs	Description
⏏ ALL		1..1	
return	xsd:string	1..1	Suggested spelling.

Complex Types: Google API

Complex Types

Name
typens:DirectoryCategory
typens:DirectoryCategoryArray
typens:GoogleSearchResult
typens:ResultElement
typens:ResultElementArray

Complex Type: typens:DirectoryCategory

Derived By

Restricting xsd:anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
□ ALL		1..1	
fullViewableName	xsd:string	1..1	
specialEncoding	xsd:string	1..1	

Referenced By

- Element directoryCategory [type typens:ResultElement]

Complex Type: typens:DirectoryCategoryArray

Derived By

Restricting soapenc:Array

Attributes

Name	Type	Required?	Default
soapenc:arrayType	xsd:string	No	typens:DirectoryCategory[]
soapenc:offset	soapenc:arrayCoordinate	No	
typens:id	xsd:ID	No	
typens:href	xsd:anyURI	No	

Content Model

Contains a SOAP encoded array of type typens:DirectoryCategory

Referenced By

- Element directoryCategories [type typens:GoogleSearchResult]

Complex Type: typens:GoogleSearchResult

Derived By

Restricting xsd:anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
⏏ ALL		1..1	
documentFiltering	xsd:boolean	1..1	
searchComments	xsd:string	1..1	
estimatedTotalResults Count	xsd:int	1..1	
estimateIsExact	xsd:boolean	1..1	
resultElements	typens:ResultElement Array	1..1	
searchQuery	xsd:string	1..1	
startIndex	xsd:int	1..1	
endIndex	xsd:int	1..1	
searchTips	xsd:string	1..1	
directoryCategories	typens:DirectoryCateg oryArray	1..1	
searchTime	xsd:double	1..1	

Complex Type: typens:ResultElement

Derived By

Restricting xsd:anyType

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
⏏ ALL		1..1	
summary	xsd:string	1..1	
URL	xsd:string	1..1	
snippet	xsd:string	1..1	
title	xsd:string	1..1	
cachedSize	xsd:string	1..1	
relatedInformationPresent	xsd:boolean	1..1	
hostName	xsd:string	1..1	
directoryCategory	typens:DirectoryCategory	1..1	
directoryTitle	xsd:string	1..1	

Complex Type: `typens:ResultElementArray`

Derived By

Restricting `soapenc:Array`

Attributes

Name	Type	Required?	Default
<code>soapenc:arrayType</code>	<code>xsd:string</code>	No	<code>typens:ResultElement[]</code>
<code>soapenc:offset</code>	<code>soapenc:arrayCoordinate</code>	No	
<code>typens:id</code>	<code>xsd:ID</code>	No	
<code>typens:href</code>	<code>xsd:anyURI</code>	No	

Content Model

Contains a SOAP encoded array of type `typens:ResultElement`

Referenced By

- Element `resultElements` [type `typens:GoogleSearchResult`]

Elements: Google API

Elements

Name
cachedSize [type typens:ResultElement]
directoryCategories [type typens:GoogleSearchResult]
directoryCategory [type typens:ResultElement]
directoryTitle [type typens:ResultElement]
documentFiltering [type typens:GoogleSearchResult]
endIndex [type typens:GoogleSearchResult]
estimatedTotalResultsCount [type typens:GoogleSearchResult]
estimateIsExact [type typens:GoogleSearchResult]
fullViewableName [type typens:DirectoryCategory]
hostName [type typens:ResultElement]
relatedInformationPresent [type typens:ResultElement]
resultElements [type typens:GoogleSearchResult]
searchComments [type typens:GoogleSearchResult]
searchQuery [type typens:GoogleSearchResult]
searchTime [type typens:GoogleSearchResult]
searchTips [type typens:GoogleSearchResult]
snippet [type typens:ResultElement]
specialEncoding [type typens:DirectoryCategory]
startIndex [type typens:GoogleSearchResult]
summary [type typens:ResultElement]
title [type typens:ResultElement]
URL [type typens:ResultElement]

Element: cachedSize [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Element: **directoryCategories** [type **typens:GoogleSearchResult**]

Defined By

Type **typens:DirectoryCategoryArray**

Attributes

Name	Type	Required?	Default
soapenc:arrayType	xsd:string	No	typens:DirectoryCategory[]
soapenc:offset	soapenc:arrayCoordinate	No	
typens:id	xsd:ID	No	
typens:href	xsd:anyURI	No	

Content Model

Always empty.

Referenced By

- Complex Type **typens:GoogleSearchResult**

Element: **directoryCategory** [type **typens:ResultElement**]

Defined By

Type **typens:DirectoryCategory**

Content Model

Contains elements as defined in the following table.

Component	Type	Occurs	Description
⏏ ALL		1..1	
fullViewableName	xsd:string	1..1	
specialEncoding	xsd:string	1..1	

Referenced By

- Complex Type **typens:ResultElement**

Element: directoryTitle [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Element: documentFiltering [type typens:GoogleSearchResult]

Defined By

Type xsd:boolean

Referenced By

- Complex Type typens:GoogleSearchResult

Element: endIndex [type typens:GoogleSearchResult]

Defined By

Type xsd:int

Referenced By

- Complex Type typens:GoogleSearchResult

Element: estimatedTotalResultsCount [type typens:GoogleSearchResult]

Defined By

Type xsd:int

Referenced By

- Complex Type typens:GoogleSearchResult

Element: estimatesExact [type typens:GoogleSearchResult]

Defined By

Type xsd:boolean

Referenced By

- Complex Type typens:GoogleSearchResult

Element: fullViewableName [type typens:DirectoryCategory]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:DirectoryCategory

Element: `hostName` [type `typens:ResultElement`]

Defined By

Type `xsd:string`

Referenced By

- Complex Type `typens:ResultElement`

Element: relatedInformationPresent [type typens:ResultElement]

Defined By

Type xsd:boolean

Referenced By

- Complex Type typens:ResultElement

Element: resultElements [type typens:GoogleSearchResult]

Defined By

Type typens:ResultElementArray

Attributes

Name	Type	Required?	Default
soapenc:arrayType	xsd:string	No	typens:ResultElement[]
soapenc:offset	soapenc:arrayCoordinate	No	
typens:id	xsd:ID	No	
typens:href	xsd:anyURI	No	

Content Model

Always empty.

Referenced By

- Complex Type typens:GoogleSearchResult

Element: searchComments [type typens:GoogleSearchResult]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:GoogleSearchResult

Element: searchQuery [type typens:GoogleSearchResult]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:GoogleSearchResult

Element: searchTime [type typens:GoogleSearchResult]

Defined By

Type xsd:double

Referenced By

- Complex Type typens:GoogleSearchResult

Element: searchTips [type typens:GoogleSearchResult]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:GoogleSearchResult

Element: snippet [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Element: specialEncoding [type typens:DirectoryCategory]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:DirectoryCategory

Element: startIndex [type typens:GoogleSearchResult]

Defined By

Type xsd:int

Referenced By

- Complex Type typens:GoogleSearchResult

Element: summary [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Element: title [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Element: URL [type typens:ResultElement]

Defined By

Type xsd:string

Referenced By

- Complex Type typens:ResultElement

Attributes: Google API

Attributes

Name
typens:href [group soapenc:commonAttributes]
typens:id [group soapenc:commonAttributes]

Attribute: typens:href [group soapenc:commonAttributes]

Defined By

Type xsd:anyURI

Referenced By

- Complex Type typens:DirectoryCategoryArray
- Complex Type typens:ResultElementArray

Attribute: typens:id [group soapenc:commonAttributes]

Defined By

Type xsd:ID

Referenced By

- Complex Type typens:DirectoryCategoryArray
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