词典、语音合成资源接入文档

- 如需直观了解情况，您可前往 https://fanyi.baidu.com/ 验证，两者的数据源是同源的。
- 词典json字符串可在https://www.json.cn/ 中可视化查看节点，需做utf-8转义。
- 中中释义/英英释义/简明释义可以理解为三本独立的词典，开发者在使用时，选择其中一个即可。

目前已开放的资源：

中文：（中文字、词）
- 简明释义
- 中中释义
- 单词集锦(类似于词以类记，少部分有)

英语：（英文单词、短语）
- 简明释义
- 英英释义

注：原文query为英文单词或词组时， simple_means、edict有内容且为字符串，zdict为空字符串；

原文query为中文字或词时， simple_means、 zdict有内容且为字符串，edict为空字符串；

原文为句子(有标点符号)或非词组时，dict字段为空字符串。

一、词典数据字段节点

英文json结构层级：

dict字段下：

第一层	第二层	第三层	第四层	第五层	第六层
lang：0:中文；1:英文					
word_result：词典结果	zdict:中中释义，query为中文时为空				
	edict：英英释义	item：项目	tr_group:英文释义组 根据词性分，有几种词性就有几个tr_group	tr: 具体释义 example：例句，如无例句则为空 similar_word:可作为替换的词，如无则为空	
		word：原文query			
	simple_means：简明释义	word_name:原文query			
		from：单词来源，可忽略			
		word_means:单词含义，数组			

	exchange: 不同时态: word_third: 第三人称单数 word_ing: 进行时态 word_done: 完成时态 word_pl: 复数形式 word_past: 过去时态		
	tags:词汇标签	core: 核心词；如高考、考研	
		other: 其他标签	
	symbols:音标	ph_en: 英式音标	
		ph_am: 美式音标	
		parts: 词性组	part: 词性，有几种词性就有几个part
			means: 词义
	ph_other: 其他音标，一般为空		
general_knowledge: 单词集锦 **(只有极少数常用词有此字段，中英文里字段是一致的)建议忽略此字段**	similar_words: 同类词 en:英文释义； zh:中文释义		
	word_name: 词语query		
	word_lang: 词语语言		
	word_type: 词语类型，如水果		

中文json结构层级：

dict字段下：

第一层	第二层	第三层	第四层	第五层	第六层
lang：0:中文；1:英文					
word_result：词典结果	edict:英英释义，query为中文时为空				
	zdict：中中释义	simple：简洁版	chenyu:是否为成语，如否则为Null	"from ":成语来源； "grammer":用法； "pinyin":拼音； "explain":"成语含义"； "example":"成语例句"； "synonyms":成语同义词； "antonym":成语反义词	
			means：释义	pinyin：拼音	
				exp["des"]：解释	main：主要释义
					sub：次要释义(通常为空)
				pos: 在词典中位置，一般为空	
		detail：详尽版	chenyu:是否为成语，如否则为Null	"from ":成语来源； "grammer":用法； "pinyin":拼音； "explain":"成语含义"； "example":"成语例句"； "synonyms":成语同义词； "antonym":成语反义词	
			means：释义	pinyin：拼音	main：主要释义
				exp["des"]：解释	sub：次要释义(通常为空)
		word：原文query			
	simple_means：简明释义	symbols：属性	word_symbol：拼音		

		parts: 词组	part_name(一般为空)	text: 词组内容
				part: 词性
				word_mean: 英文释义
				means: 中文含义
	word_name:原文query			
	from: 来源			
	word_means: 含义			
general_knowledge: 单词集锦 **(只有极少数常用词有此字段，中英文里字段是一致的)建议忽略此字段**	similar_words: 同类词		en:英文释义； zh:中文释义	
	word_name: 词语query			
	word_lang: 词语语言			
	word_type: 词语类型，如水果			
synthesize_means	汉英大词典，因并非所有词汇都有结果，因此省略，后续可能将"汉英大词典"结果关闭，**建议忽略此字段。**			

二、示例

1、英文：以apple为例

API返回的dict结果：

{"lang":"1","word_result":{"edict":{"item":[{"tr_group":[{"tr":["fruit with red or yellow or green skin and sweet to tart crisp whitish flesh"],"example":[],"similar_word":[]},{"tr":["native Eurasian tree widely cultivated in many varieties for its firm rounded edible fruits"],"example":[],"similar_word":["orchard apple tree","Malus pumila"]}],"pos":"noun"}],"word":"apple"},"zdict":"","simple_means":{"word_name":"apple","from":"original","word_means":["苹果"],"exchange":{"word_pl":["apples"]},"tags":{"core":["高考","考研"],"other":[""]},"symbols":[{"ph_en":"pl","ph_am":"pl","parts":[{"part":"n.","means":["苹果"]}],"ph_other":""}]},"general_knowledge":{"similar_words":[{"en":"pear","zh":"梨"},{"en":"peach","zh":"桃子"},{"en":"apple","zh":"苹果"},{"en":"grape","zh":"葡萄"},{"en":"banana","zh":"香蕉"},{"en":"cherry","zh":"樱桃"},{"en":"mulberry","zh":"桑椹"},{"en":"persimmon","zh":"柿子"},{"en":"hippophae","zh":"沙棘"},{"en":"strawberry","zh":"草莓"},{"en":"watermelon","zh":"西瓜"},{"en":"pomegranate","zh":"石榴"}],"word_name":"apple","word_type":"水果","word_lang":"en"}}}

可视化效果：

用户端解析后应用效果示例：

apple

美 [ˈæpl] 🔊 ▷

n. 苹果

复数： apples

英英释义

noun

1　fruit with red or yellow or green skin and sweet to tart crisp whitish flesh

2　native Eurasian tree widely cultivated in many varieties for its firm rounded edible fruits

　　Synonym: orchard apple tree　Malus pumila

2、英文：以take为例

API返回的dict结果：

{"lang":"1","word_result":{"edict":{"item":[{"tr_group":[{"tr":["the act of photographing a scene or part of a scene without interruption"],"example":[],"similar_word":[]},{"tr":["the income or profit arising from such transactions as the sale of land or other property"],"example":["the average return was about 5%"],"similar_word":["return","issue","takings","proceeds","yield","payoff"]}],"pos":"noun"},{"tr_group":[{"tr":["be stricken by an illness, fall victim to an illness"],"example":["He got AIDS","She came down with pneumonia","She took a chill"],"similar_word":["contract","get"]},{"tr":["remove something concrete, as by lifting, pushing, or taking off, or remove something abstract"],"example":["remove a threat","remove a wrapper","Remove the dirty dishes from the table","take the gun from your pocket","This machine withdraws heat from the environment"],"similar_word":["remove","take away","withdraw"]},{"tr":[" ascertain or determine by measuring, computing or take a reading from a dial"],"example":["take a pulse","A reading was taken of the earth's tremors"],"similar_word":[]},{"tr":["take on a certain form, attribute, or aspect"],"example":["His voice took on a sad tone","The story took a new turn","he adopted an air of superiority","She assumed strange manners","The gods assume human or animal form in these fables"],"similar_word":["assume","acquire","adopt","take on"]},{"tr":["be seized or affected in a specified way"],"example":["take sick","be taken drunk"],"similar_word":[]},{"tr":["be a student of a certain subject"],"example":["She is reading for the bar exam"],"similar_word":["learn","study","read"]},{"tr":["interpret something in a certain way","convey a particular meaning or impression"],"example":["I read this address as a satire","How should I take this message?","You can't take credit for this!"],"similar_word":["read"]},{"tr":["accept or undergo, often unwillingly"],"example":["We took a pay cut"],"similar_word":["submit"]},{"tr":["pick out, select, or choose from a number of alternatives"],"example":["Take any one of these cards","Choose a good husband for your daughter","She selected a pair of shoes from among the dozen the salesgirl had shown her"],"similar_word":["choose","select","pick out"]},{"tr":["take into consideration for exemplifying purposes"],"example":["Take the case of China","Consider the following case"],"similar_word":["consider","deal","look at"]},{"tr":["take as an undesirable consequence of some event or state of affairs"],"example":["the accident claimed three lives","The hard work took its toll on her"],"similar_word":["claim","exact"]},{"tr":["lay claim to","as of an idea"],"example":["She took credit for the whole idea"],"similar_word":["claim"]},{"tr":["make a film or photograph of something"],"example":["take a scene","shoot a movie"],"similar_word":["film","shoot"]},{"tr":["obtain by winning"],"example":["Winner takes all","He took first prize"],"similar_word":[]},{"tr":["point or cause to go (blows, weapons, or objects such as photographic equipment) towards"],"example":["Please don't aim at your little brother!","He trained his gun on the burglar","Don't train your camera on the women","Take a swipe at one's opponent"],"similar_word":["aim","train","take aim","direct"]},{"tr":["serve oneself to, or consume regularly"],"example":["Have another bowl of chicken soup!","I don't take sugar in my coffee"],"similar_word":["consume","ingest","take in","have"]},{"tr":["get into one's hands, take physically"],"example":["Take a cookie!","Can you take this bag, please"],"similar_word":["get hold of"]},{"tr":["have sex with","archaic use"],"example":["He had taken this woman when she was most vulnerable"],"similar_word":["have"]},{"tr":["travel or go by means of a certain kind of transportation, or a certain route"],"example":["He takes the bus to work","She takes Route 1 to Newark"],"similar_word":[]},{"tr":["proceed along in a vehicle"],"example":["We drive the turnpike to work"],"similar_word":["drive"]},{"tr":["occupy or take on"],"example":["He assumes the lotus position","She took her seat on the stage","We took our seats in the orchestra","She took up her position behind the tree","strike a pose"],"similar_word":["assume","strike","take up"]},{"tr":["take somebody somewhere"],"example":["We lead him to our chief","can you take me to the main entrance?","He conducted us to the palace"],"similar_word":["lead","direct","conduct","guide"]},{"tr":["head into a specified direction"],"example":["The escaped convict took to the hills","We made for the mountains"],"similar_word":["make"]},{"tr":["take something or somebody with oneself somewhere"],"example":["Bring me the box from the other room","Take these letters to the boss","This brings me to the main point"],"similar_word":["bring","convey"]},{"tr":["experience or feel or submit to"],"example":["Take a test","Take the plunge"],"similar_word":[]},{"tr":["to get into a position of having, e.g., safety, comfort"],"example":["take shelter from the storm"],"similar_word":[]},{"tr":["take into one's possession"],"example":["We are taking an orphan from Romania","I'll take three salmon steaks"],"similar_word":["take by force"]},{"tr":["example":["Hitler took the Baltic Republics","The army took the fort on the hill"],"similar_word":[]},{"tr":["buy, select"],"example":["I'll take a pound of that sausage"],"similar_word":[]},{"tr":["engage for service under a term of contract"],"example":["We took an apartment on a quiet street","Let's rent a car","Shall we take a guide in Rome?"],"similar_word":["lease","rent","hire","charter","engage"]},{"tr":["receive or obtain regularly"],"example":["We take the Times every day"],"

similar_word":["subscribe","subscribe to"]},{"tr":["make use of or accept for some purpose"],"example":["take a risk","take an opportunity"],"similar_word":
["accept"]},{"tr":["receive willingly something given or offered"],"example":["The only girl who would have him was the miller's daughter","I won't have this
dog in my house!","Please accept my present"],"similar_word":["accept","have"]},{"tr":["admit into a group or community"],"example":["accept students for
graduate study","We'll have to vote on whether or not to admit a new member"],"similar_word":["accept","admit","take on"]},{"tr":["require (time or space)"],"
example":["It took three hours to get to work this morning","This event occupied a very short time"],"similar_word":["occupy","use up"]},{"tr":["assume, as of
positions or roles"],"example":["She took the job as director of development","he occupies the position of manager","the young prince will soon occupy the
throne"],"similar_word":["fill","occupy"]},{"tr":["develop a habit"],"example":["He took to visiting bars"],"similar_word":[]},{"tr":["carry out"],"example":["take
action","take steps","take vengeance"],"similar_word":[]},{"tr":["require as useful, just, or proper"],"example":["It takes nerve to do what she did","success usually
requires hard work","This job asks a lot of patience and skill","This position demands a lot of personal sacrifice","This dinner calls for a spectacular dessert","This
intervention does not postulate a patient's consent"],"similar_word":["necessitate","ask","postulate","need","require","involve","call for","demand"]},{"tr":["be
capable of holding or containing"],"example":["This box won't take all the items","The flask holds one gallon"],"similar_word":["contain","hold"]},{"tr":["have
with oneself","have on one's person"],"example":["She always takes an umbrella","I always carry money","She packs a gun when she goes into the mountains"],"
similar_word":["carry","pack"]},{"tr":["be designed to hold or take"],"example":["This surface will not take the dye"],"similar_word":["accept"]}],"pos":"verb"}],"
word":"take"},"zdict":"","simple_means":{"word_name":"take","from":"original","word_means":["携带","拿走","取走","运走","带去","引领","使达到，把...推
向，把...带到","场景，镜头","收入额","进项","看法","意见"],"exchange":{"word_third":["takes"],"word_ing":["taking"],"word_done":["taken"],"word_past":
["took"]},"tags":{"core":["高考","考研"],"other":[""]},"symbols":[{"ph_en":"tek","ph_am":"tek","parts":[{"part":"v.","means":["携带","拿走","取走","运走","带
去","引领","使达到，把...推向，把...带到(另一个层次、层面等)"]},{"part":"n.","means":["(不停机一次连续拍摄的)场景，镜头","收入额","进项","看
法","意见"]}],"ph_other":""}]}}}

用户端解析后应用效果示例：

3、中文：以专心致志为例

API返回的dict结果：

{"lang":"0","word_result":{"edict":"","zdict":{"simple":null,"word":"专心致志","detail":{"chenyu":{"from ":"《孟子·告子上》： "夫今弈之为数，小数
也，不专心致志，则不得也。" ","grammer":"联合式；作谓语、定语、状语；含褒义","pinyin":"zhuān xīn zhì zhì","explain":"致：尽，极；志：
意志。把心思全放在上面。形容一心一意，聚精会神。","example":"不由我不~搞这一套。 ◎叶圣陶《招魂》","synonyms":"聚精会神、专心一志、
一心一意","antonym":"心不在焉、心猿意马、魂不守舍"},"means":null}},"simple_means":{"symbols":[{"word_symbol":"zhuān xīn zhì zhì","parts":
[{"part_name":"","means":[{"text":"devote oneself heart and soul to","word_mean":"devote oneself heart and soul to"},{"text":"be thoroughly engrossed in","
part":"","word_mean":"be thoroughly engrossed in","means":["专心致志"]},{"text":"be wedded to","part":"","word_mean":"be wedded to","means":["专心致
志"]},{"text":"do sth. with a will","word_mean":"do sth. with a will"}]}]},"word_name":"专心致志","from":"CEDict","word_means":["devote oneself heart

and soul to","be thoroughly engrossed in","be wedded to","do sth. with a will"]},"synthesize_means":{"symbols":[{"cys":[{"means":[{"mean_id":"4296","cy_id":"4061","part_id":null,"word_mean":"devote oneself heart and soul to ...; be thoroughly engrossed in ...; be wedded to ...; do sth. with a will; be wholly given up to ...; concentrate one's energy on ...; devote oneself to sth. wholeheartedly and exclusively; devote one's whole mind to ...; "}]}],"symbol_id":"4102","xg":"","parts":[],"word_symbol":"zhuān xīn zhì zhì","word_id":"4073"}],"word_name":"专心致志","word_id":"4073"}}}

用户端解析后应用效果示例：

专心致志 [zhuān xīn zhì zhì]

devote oneself heart and soul to;   be thoroughly engrossed in;   be wedded to;   do sth. with a will

中中释义

专心致志 [zhuān xīn zhì zhì]

[同义词] 聚精会神、专心一志、一心一意

[反义词] 心不在焉、心猿意马、魂不守舍

[解释] 致：尽，极；志：意志。把心思全放在上面。形容一心一意，聚精会神。

[例句] 不由我不～搞这一套。⑧叶圣陶《招魂》

[语法] 联合式；作谓语、定语、状语；含褒义

4、中文：以中国为例

API返回的dict结果：

{"lang":"0","word_result":{"edict":"","zdict":{"simple":{"chenyu":null,"means":[{"pinyin":"zhōng guó","exp":[{"des":[{"main":"[China] 古代华夏族建国于黄河流域一带,以为居天下之中,故称中国。后成为我国的专称。全称中华人民共和国。面积9600000平方公里,人口12亿(1994),首都北京","sub":[]},{"main":"中国应当对人类有较大的贡献","sub":[]}],"pos":""},{"des":[{"main":"(1) [Central Plains]：指中原地区","sub":[]},{"main":"与中国抗衡。 ——《资治通鉴》","sub":[]},{"main":"(2) 又","sub":[]},{"main":"驱中国士众。","sub":[]},{"main":"将中国人。","sub":[]},{"main":"(3) [capital]：京城","sub":[]},{"main":"惠此中国,以绥四方。 ——《诗·大雅》","sub":[]}],"pos":""}]}],"word":"中国","detail":{"chenyu":null,"means":[{"pinyin":"zhōng guó","exp":[{"des":[{"main":"上古时代，我国 华夏 族建国于 黄河 流域一带，以为居天下之中，故称中国，而把周围其他地区称为四方。后泛指中原地区。","sub":["《诗·小雅·六月序》：“《小雅》尽废，则四夷交侵，中国微矣。”《庄子·田子方》：“吾闻中国之君子，明乎礼义而陋於知人心。”《韩非子·孤愤》：“夫 越 虽国富兵强，中国之主皆知无益於己也。”汉 桓宽 《盐铁论·申韩》：“大 河 之始决於 瓠子 也，涓涓尔，及其卒，泛滥为中国害。”南朝 宋 刘义庆 《世说新语·言语》：“ 江 左地促，不如中国。”宋 惠洪 《冷斋夜话·岭外梅花》：“岭外梅花与中原异，其花几类桃花之色，而唇红香著。”清 叶廷 《吹网录·柳边纪略》：“泉甘土肥，物产如参貂，非中国有。”"]},{"main":"指生长、居住在中原地区的人。","sub":["《晋书·宣帝纪》：“ 吴 以中国不习水战，故敢散居 东关 。”宋 陈善 《扪虱新话·阮籍知母而不知父》：“夫 籍 中国也，而与夷狄无异。”《宋史·岳飞传》：“ 金 人所以立 刘豫 於 河 南，盖欲荼毒中原，以中国攻中国。”"]},{"main":"犹国家，朝廷。","sub":["《礼记·檀弓》：“今之大夫交政於中国，虽欲勿哭，焉得而弗哭。”《汉书·西南夷传》：“即以为不毛之地，亡用之民，圣王不以劳中国，宜罢郡，放弃其民，其王侯勿通。”宋 叶适 《上光宗皇帝札子》：“以为中国全盛，而当思维持保守。”"]},{"main":"京师。","sub":["《诗·大雅·民劳》：“惠此中国，以绥四方。”毛 传：“中国，京师也。”《史记·五帝本纪》：“夫而后之中国，践天子位焉。”裴 集解引 刘熙 曰：“帝王所都为中，故曰中国。”唐 李贺 《李凭箜篌引》：“江娥 啼竹素女怨，李凭 中国弹箜篌。”方世举 注：“中国，作都中解。”"]},{"main":"我国的专称。","sub":["清 林则徐 《拟谕英吉利国王檄》：“中国 所行於外国者，无一非利人之物。”毛泽东 《纪念孙中山先生》：“中国 应当对于人类有较大的贡献。”"]},{"main":"指 恒河 中流一带的 中印度，佛教徒译称 中国。参阅 晋 法显 《佛国记》。","sub":[""]}],"pos":""}]}]},"simple_means":{"symbols":[{"word_symbol":"zhōng guó","parts":[{"part_name":"","means":[{"text":"China","part":"n.","word_mean":"China","means":["中国"]},{"text":"Sino-","part":"comb.","word_mean":"Sino-","means":["中国的","中国人(的)"]}]}]}],"word_name":"中国","from":"CEDict","word_means":["China","Sino-"]},"synthesize_means":{"symbols":[{"cys":[{"means":[{"mean_id":"5253","ljs":[{"mean_id":"5253","lj_id":"2491","ls":"road of socialism with Chinese characteristics","ly":"中国特色的社会主义道路"}],"cy_id":"4907","part_id":null,"word_mean":"China; Sino-"}]}],"symbol_id":"4967","xg":"","parts":[],"word_symbol":"zhōng guó","word_id":"4930"}],"word_name":"中国","word_id":"4930"}}}

用户端解析后应用效果示例：

中中释义

中国 [zhōng guó]

[China] 古代华夏族建国于黄河流域一带,以为居天下之中,故称中国。后成为我国的专称。全称中华人民共和国。面积9600000平方公里,人口12亿(1994),首都北京

中国应当对人类有较大的贡献

(1) [Central Plains]:指中原地区

与中国抗衡。 ——《资治通鉴》

(2) 又

驱中国士众。

将中国人。

(3) [capital]:京城

惠此中国,以绥四方。 ——《诗·大雅》

三、接入指南

接入词典、语音合成资源

使用词典、语音合成资源请先进行认证,之后发送邮件至translate_api@baidu.com申请开通词典或语音合成资源。

开通词典、语音合成资源后,API翻译结果中默认附带dict(词典)和tts(字段),均**仅针对中英、英中互译有效**。

词典资源:

词典分中英词典,如源语言为中文,词典数据包括:拼音、词性、中文释义、英文释义、近义词等资源,由于每个词属性不同,词典结果不一定包含所有部分。

如源语言为英文,词典数据包括:中文释义、英文释义、音标、核心词汇类别等。

注:单个query需为词、词组或短语,如query为句子,则dict字段为空。

语音合成资源:

语音合成资源包含query原文、译文的发音,以mp3文件格式提供。

注:单个query内分段数超过3段,或字数超过500字,则tts字段为空。

四、常见问题

Q: 词典、语音合成资源如何开启?

A: 如需接入语音合成、词典资源,请先完成身份认证(管理控制台-开发者信息处),随后将您的APPID、公司名称、使用场景邮件发送至 translate_api@baidu.com,审核开通后即可使用。

Q: 我应该如何获取词典、语音合成资源结果?

A: 接入文档与通用翻译API一致,接入流程上无变化。与未开通词典、语音合成服务相比,仅在返回结果处增加tts、dict字段及json字符串,请注意辨别字段名称。

3、 Q: 我已开通词典、语音合成资源,但想在结果中隐藏,应该怎么办?

A: 如需隐藏词典、语音合成信息,可在拼接请求参数时附加"&dict=1&tts=1",例如,如仅需隐藏tts字段,完整请求为: http://api.fanyi.baidu.com/api/trans/vip/translate? q=apple&from=en&to=zh&appid=20150630000000001&salt=1435660288&sign=f89f9594663708c1605f3d736d01d2d4&tts=1

4、 Q: 是否提供例句资源? 百度翻译网页上很多例句,我怎么拿来用呢?

A： 中中释义、英英释义、简明释义里包含少部分例句，限于版权原因，百度翻译API内暂无法提供例句资源。

5、 Q：我如何获得真人单词发音资源？

A： 限于版权原因，百度翻译API内暂无法提供真人发音，您可以试试机器语音合成效果(TTS资源)。