

# Tencent Machine Translation Product Introduction Product Documentation





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# Product Introduction Overview

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Tencent Machine Translation (TMT) leverages a self-designed neural machine translation engine to learn translations from numerous corpora and build a model in the whole translation process to achieve accurate and fluent machine translation.

TMT currently supports 18 language pairs, with the Chinese-English engine producing industry-leading translation outcomes in the field of news, education, and sci-tech (to a certain extent).

#### **Features**

#### **Text translation**

TMT supports the translation of text in 18 languages, including Chinese, English, Japanese, Korean, German, French, Spanish, Italian, Turkish, Russian, Portuguese, Vietnamese, Bahasa Indonesia, Malay, and Thai, where the source text is translated based on big data corpora, multiple decoding algorithms, and deeply optimized translation engines. It has extensive translation accumulations in many scenarios such as news articles and daily spoken languages. In addition, it combines the benefits of statistical machine translation with neural machine translation to provide high-quality translation services, and its translation outcomes are now considered among the best in the industry by recognized authorities.

Supported language pairs:

			Target language									
		Simplified Chinese	Traditional Chinese	English	French	Italian	German	Russian	Turkish	Portuguese	Spa	
Source language	Simplified Chinese		Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supp	
	Traditional Chinese	Supported		Supported	Supp							
	English	Supported	Supported		Supported	Supported	Supported	Supported	Supported	Supported	Supp	
	French	Supported	Supported	Supported		Supported	Supported	Supported	Supported	Supported	Supp	
	Italian	Supported	Supported	Supported	Supported		Supported	Supported	Supported	Supported	Supp	
	German	Supported	Supported	Supported	Supported	Supported		Supported	Supported	Supported	Supp	
	Russian	Supported	Supported	Supported	Supported	Supported	Supported		Supported	Supported	Supp	
	Turkish	Supported	Supported	Supported	Supported	Supported	Supported	Supported		Supported	Supp	
	Portuguese	Supported	Supported	Supported	Supported	Supported	Supported	Supported			Supp	
	Spanish	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported		
	Japanese	Supported	Supported									
	Korean	Supported	Supported									
	Vietnamese	Supported	Supported	Supported								
	Thai	Supported	Supported	Supported								
	Indonesian	Supported	Supported	Supported								
	Malay	Supported	Supported	Supported								

#### **Automatic language detection**



To translate certain text content, you just send it to TMT by calling the API, and TMT will automatically detect the language to translate, making it easier to use the service and providing you with a better experience.



# Strengths

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#### Multi-engine integration

TMT has integrated deeply optimized translation engines, translation memory technology, and multiple decoding algorithms such as statistical and neutral machine translation.

#### Big data support

Empowered by big data and domain adaptation technology, TMT can translate text in a wide range of fields and scenarios.

#### Flexible and custom extensions

TMT offers custom extensions of translation dictionaries and templates to fulfill the needs of different customer groups.

#### Real-time and accurate translation

TMT responds to your requests in real time and offers accurate and fluent translation outcomes, satisfying your needs for high-quality translation.



## **Use Cases**

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#### **Document translation**

TMT supports quick translation of documents, such as contracts, general documents, material, papers, and emails.

#### **News articles translation**

TMT can help you quickly get information from news articles written in a foreign language, or fast release a foreign language version of your content.

#### Website translation

TMT can help you translate websites in foreign languages to boost access efficiency, such as popular e-commerce and cross-border online shopping websites.

#### Language learning helper

TMT can assist learners at all educational levels in learning English with authoritative dictionary databases.

#### Travel translation

TMT offers translation services for ordering food, checking in/out hotels, paying for shopping, getting around, and visiting attractions when you travel abroad.