

API-Powered Dictionaries

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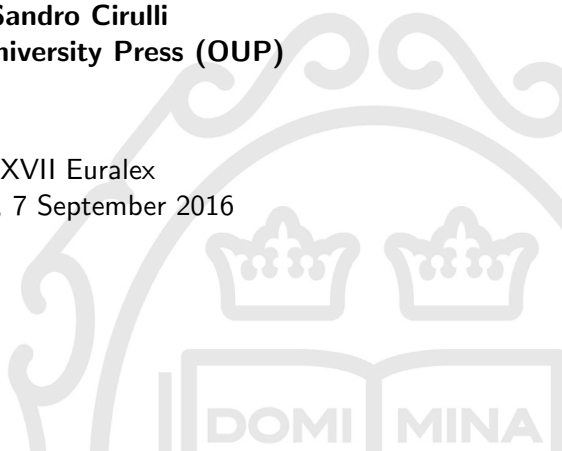


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Less than 5% of the current world languages are in use online

Kornai A (2013) *Digital Language Death*. PLoS ONE 8(10)

Oxford University Press (OUP)

- ▶ Oxford University Press (OUP) is a world-renowned **dictionary publisher**
- ▶ OUP's Oxford Global Languages (OGL) initiative will bring **100 languages online**, with a focus on digitally under-represented ones
- ▶ Since September 2015 OUP launched language dictionary websites for **isiZulu, Northern Sotho, Malay, Urdu, Indonesian, Setswana, Romanian, and Latvian**
- ▶ Forthcoming websites for **Hindi** and **Swahili**

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- ▶ **Localized websites and digital access** for multiple languages
- ▶ **Language communities** contributing, commenting on, and sharing content
- ▶ Supporting **digitally under-represented languages**
- ▶ **Flexible data** serving multiple needs



OGL websites powered by APIs

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ABOUT LOGIN BAHASA TAPAK ▼

Powered by OXFORD

▼ Eng > Mal

Type word or phrase



[Home](#) > [Translate](#) > [English to Malay](#) > [lexicography](#)

Translation of *lexicography* in Malay

lexicography



NOUN

leksikografi, perkamusan

Top tips for writing in
Malay

GRAMMAR GUIDES, WRITING TIPS AND
MORE!

Formal and informal
writing in Malay

GRAMMAR GUIDES, WRITING TIPS AND
MORE!

Be part of the
living dictionary

ADD A WORD

Newly added words

Cracow
Liam_Ong

pemaju
hmat_piah459

tenaga solar
Rajalskandar20

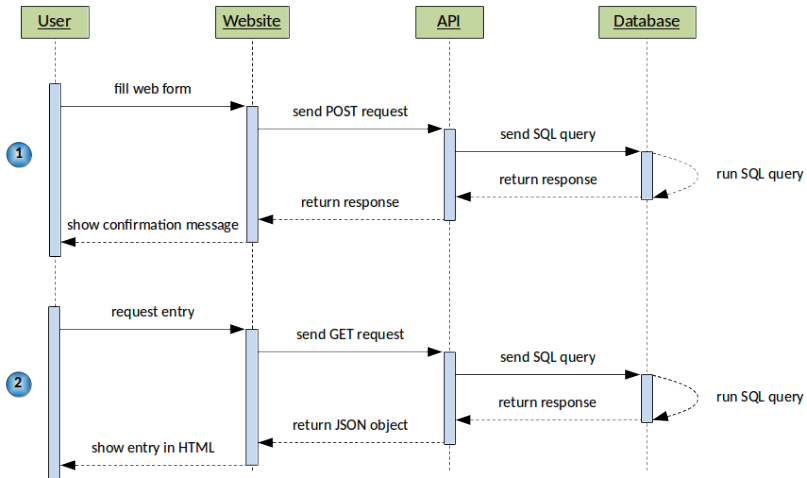
air tercemar
RbbtDWtt

ADD A WORD

What is an API?

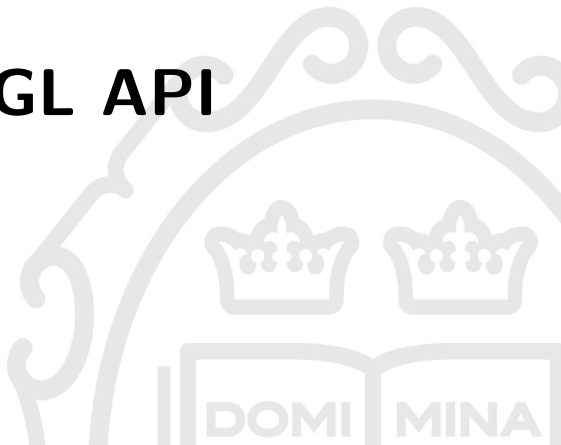
- ▶ API stands for **Application Programming Interface**
- ▶ A Web API is a set of rules for **exchanging information** with a website
- ▶ A Web API is a **machine-to-machine interface for receiving and sending data** via HTTP requests
- ▶ APIs are the **digital glue linking apps and services** on the Internet

RESTful API for OGL websites



Demo

OGI API



Oxford Dictionaries API

- ▶ OUP is launching a **public API** delivering lexical content from Oxford Dictionaries
- ▶ Embed Oxford dictionary content in **your app** or use it for **linguistic research**
- ▶ Explore the API using the interactive documentation at <https://developer.oxforddictionaries.com/documentation>

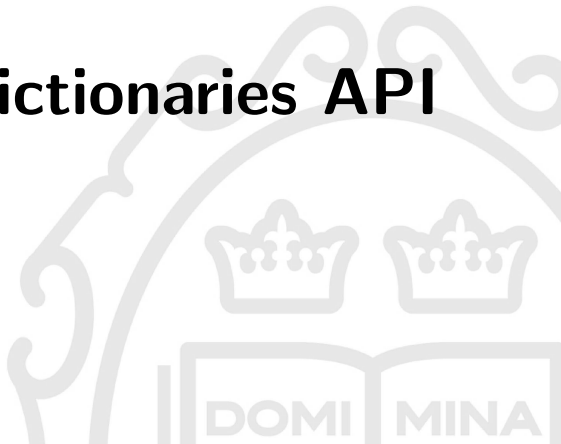
Oxford Dictionaries API

Enhance your app with our world-renowned dictionary data.

REGISTER YOUR INTEREST

Demo

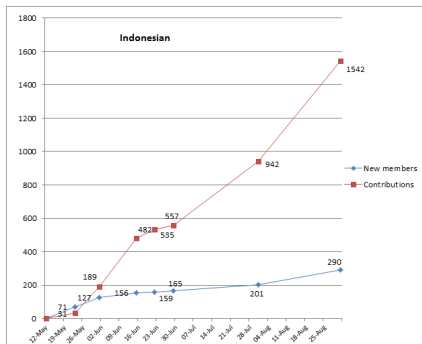
Oxford Dictionaries API



- ▶ **Reusability:** data for different languages are delivered through the same API thus reducing costs
- ▶ **Flexibility:** data can be shipped in multiple formats (XML, JSON, JSON-LD, RDF, etc.)
- ▶ **Integration and Automation:** external systems, applications, and developers can easily integrate and consume data

How to contribute

- ▶ Contribute content to **isiZulu, Northern Sotho, Urdu, Malay, Indonesian, and Setswana** dictionaries
- ▶ Register for the **Oxford Dictionaries API**
- ▶ Join our **API competition**



- ▶ OUP's Oxford Global Languages (OGL) initiative will bring **100 languages online**, with a focus on digitally under-represented ones
- ▶ Dictionary websites powered by API are available for **isiZulu, Northern Sotho, Malay, Urdu, Indonesian, Setswana, Romanian**, and **Latvian** - next ones are **Hindi** and **Swahili**
- ▶ OUP is launching the **Oxford Dictionaries API** followed by an **API competition**

The work described here is part of a wider team effort at OUP.

In particular, I would like to thank on the technical side:

- ▶ **LEAP engineering team** at OUP: Artemis Parvizi, Edward Smith, Marco Brandizi, Meritxell González, and Nick Cross.
- ▶ **Entropy**
- ▶ **Digiteum**

Thank you for your attention!

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Slides:

www.sandrocirulli.net/euralex2016

Links:

OGL programme: www.oxforddictionaries.com/ogl
Oxford Dictionaries API: developer.oxforddictionaries.com