Introduction

LangChain is a framework for developing applications powered by language models. It enables applications that are:

- **Data-aware**: connect a language model to other sources of data
- **Agentic**: allow a language model to interact with its environment

The main value props of LangChain are:

1. **Components**: abstractions for working with language models, along with a collection of implementations for each abstraction. Components are modular and easy-to-use, whether you are using the rest of the LangChain framework or not
2. **Off-the-shelf chains**: a structured assembly of components for accomplishing specific higher-level tasks

Off-the-shelf chains make it easy to get started. For more complex applications and nuanced use-cases, components make it easy to customize existing chains or build new ones.

Get started

Here's how to install LangChain, set up your environment, and start building.

We recommend following our Quickstart guide to familiarize yourself with the framework by building your first LangChain application.

Note: *These docs are for the LangChain Python package. For documentation on LangChain.js, the JS/TS version, head here.*

Modules

LangChain provides standard, extendable interfaces and external integrations for the following modules, listed from least to most complex:

Model I/O
Interface with language models

Data connection

Interface with application-specific data

Chains

Construct sequences of calls

Agents

Let chains choose which tools to use given high-level directives

Memory

Persist application state between runs of a chain

Callbacks

Log and stream intermediate steps of any chain

Examples, ecosystem, and resources

Use cases

Walkthroughs and best-practices for common end-to-end use cases, like:

- Chatbots
- Answering questions using sources
- Analyzing structured data
- and much more...

Guides

Learn best practices for developing with LangChain.

Ecosystem

LangChain is part of a rich ecosystem of tools that integrate with our framework and build on top of it. Check out our growing list of integrations and dependent repos.

Additional resources

Our community is full of prolific developers, creative builders, and fantastic teachers. Check out YouTube tutorials for great tutorials from folks in the community, and Gallery for a list of awesome LangChain projects, compiled by the folks at KyroLabs.

Support

Join us on GitHub or Discord to ask questions, share feedback, meet other developers building with LangChain, and dream about the future of LLM's.

API reference

Head to the reference section for full documentation of all classes and methods in the LangChain Python package.