

开始使用

用飞桨来实现您的AI想法

飞桨2.3版本升级须知：[支持python 3.10](#) [对支持的GPU 架构进行了调整，详细请参阅\[飞桨支持的GPU架构型号\]\(#\)](#) [支持Mac M1上 ARM64架构的原生编译，首次](#)

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|------|--|----------|----------|----------|-------------|
| 飞桨版本 | 2.4（推荐，稳定版） | | | | develop（Nig |
| 操作系统 | Windows | | macOS | | Linux |
| 安装方式 | pip | | conda | | docker |
| 计算平台 | CUDA11.8 | CUDA11.7 | CUDA11.6 | CUDA11.2 | CUDA10.2 |
| 安装信息 | <div><div><div>• 执行以下命令安装：</div><div>python -m pip install paddlepaddle==2.4.2 -i https://pypi.tuna.tsinghua.edu.cn/simple</div></div></div> | | | | |

Install on MacOS via PIP

Environmental preparation

1.1 How to check your environment

- You can use the following commands to view the local operating system and bit information

```
uname -m && cat /etc/*release
```

- Confirm that the Python where you need to install PaddlePaddle is your expected location, because your computer may have multiple Python
 - Use the following command to output Python path. Depending on the environment, you may need to replace python3 in all command lines in the description wi path

```
which python3
```

- You need to confirm whether the version of Python meets the requirements

- ```
python3 --version
```
- It is required to confirm whether the version of pip meets the requirements. The version of pip is required to be 20.2.2 or above
- ```
python3 -m ensurepip
```
- ```
python3 -m pip --version
```
- You need to confirm that Python and pip are 64bit, and the processor architecture is x86\_64(or called x64、Intel 64、AMD64) or arm64 (PaddlePaddle already s
- ```
python3 -c "import platform;print(platform.architecture()[0]);print(platform.machine())"
```
- If you do not know the machine environment, please download and use[Quick install script](#), for instructions please refer to[here](#).

INSTALLATION

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Choose CPU/GPU

- Currently, only the CPU version of PaddlePaddle is supported in the MacOS environment

Installation Step

You can choose the following version of PaddlePaddle to start installation:

- Please use the following command to install PaddlePaddle:

```
python3 -m pip install paddlepaddle==2.4.2 -i https://pypi.tuna.tsinghua.edu.cn/simple
```

Note:

- Please confirm that the Python where you need to install PaddlePaddle is your expected location, because your computer may have multiple Python. Depending on environment, you may need to replace python3 in all command lines in the instructions with specific Python path.
- The above commands install the `avx` package by default. If you want to install the Paddle package of `noavx`, you can use the following command to install:

First use the following command to download the wheel package to the local, and then use `python3 -m pip install [name].whl` to install locally ([name] is the wheel package):

```
python3 -m pip download paddlepaddle==2.4.2 -f https://www.paddlepaddle.org.cn/whl/mac/openblas/noavx/stable.html --no-index --no-deps
```

To determine whether your machine supports `avx`, you can use the following command. If the output contains `avx`, it means that the machine supports

```
sysctl machdep.cpu.features | grep -i avx
```

or

```
sysctl machdep.cpu.leaf7_features | grep -i avx
```

Verify installation

After the installation is complete, you can use `python` to enter the Python interpreter and then use `import paddle` and `paddle.utils.run_check()`

If `PaddlePaddle is installed successfully!` appears, to verify that the installation was successful.

Please use the following command to uninstall PaddlePaddle:

```
python3 -m pip uninstall paddlepaddle
```

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| PaddleHub | 安装 | AI开放平台 | GitHub |
| Paddle Lite | 教程 | AI Studio | Email |
| ERNIE | 文档 | EasyDL | Gitee |
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| | 应用案例 | 百度开发者中心 | |