1、Start the process of building TensorFlow by cloning a TensorFlow repository.

To clone **the latest** TensorFlow repository, issue the following command:

**git clone https://github.com/tensorflow/tensorflow**

The preceding git clone command creates a subdirectory named tensorflow. After cloning, you may optionally build a **specific branch** (such as a release branch) by invoking the following commands:

**cd tensorflow**

**git checkout** *Branch* # where *Branch* is the desired branch

### 2、Install Bazel

按照官网上安装bazel即可。(下载二进制可执行文件)

### 3、./configure

一直选no即可

### 4. Build the pip package

bazel build --config=opt //tensorflow/tools/pip\_package:build\_pip\_package

One of the questions that configure will ask is as follows:

Please specify optimization flags to use during compilation when bazel option "--config=opt" is specified [Default is -march=native]

意思是说在编译时，bazel带上--config=opt会使用默认的-march=native，tensorflow会提高使用cpu的速度。

The bazel build command builds a script named build\_pip\_package. Running this script as follows will build a .whl file within the /tmp/tensorflow\_pkg directory:

bazel-bin/tensorflow/tools/pip\_package/build\_pip\_package /tmp/tensorflow\_pkg

### 5、Install the pip package

**pip install /tmp/tensorflow\_pkg/tensorflow-1.4.0-py2-none-any.whl**

（具体安装包名称视情况而定）

我是在anaconda环境中安装的tensorflow，只需激活anaconda环境，就可按照上述步骤在anaconda环境中安装tensorflow

以这种方式（source）安装tensorflow，才能成功bazel build tensorflow 项目。