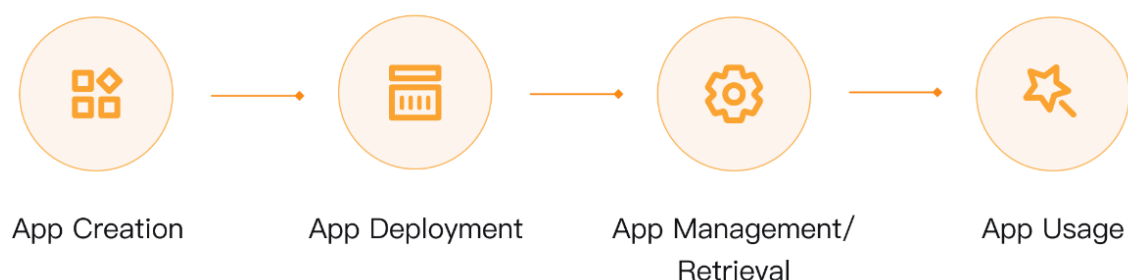


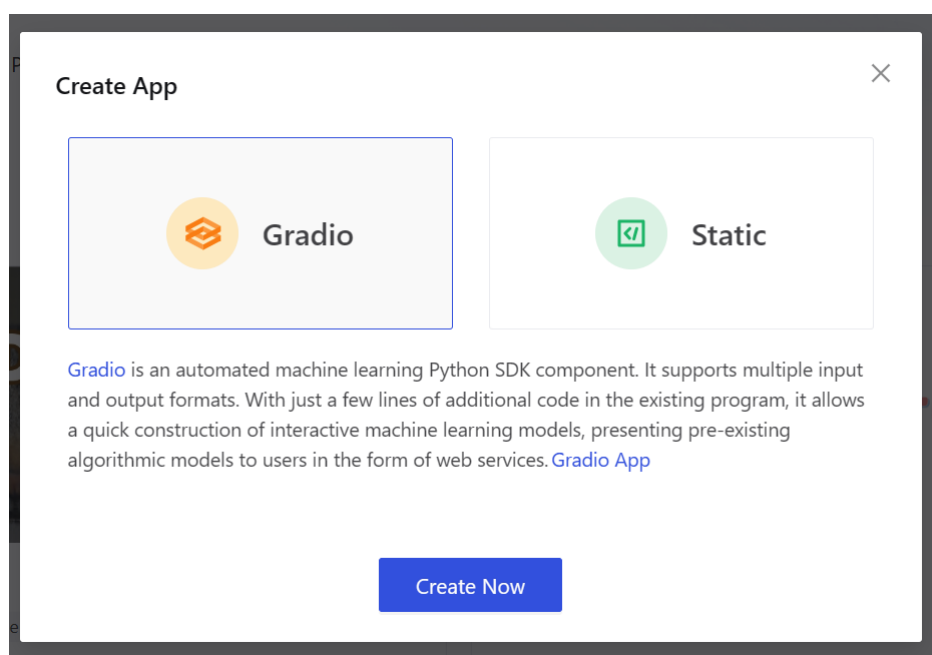
1 OpenXLab部署原理

1.1 部署流程



1.2 App Creation

点击此处创建：



接着进行app基本信息创建，重点（1）需要给出github仓库的链接以及对应分支，且仓库需要遵循一定的架构（后续会说）；（2）默认的Hardware Resources是不够的，需要申请1/4 A100以上的算力，链接如下：[Apps-OpenXLab](#)。

Create App

* App Name

Please enter letters, numbers, or characters - _ .

0 / 90

Example: cv_object-detection. Once created, it can not be changed

* Task Type

Please select



Maximum selection: 3 tags



* GitHub Repository

Please enter the code repository address; branch/tag information will be automatically o...

Customize Startup File



License

Please select an open source license.



Hardware Resources

2vCPU 8GB



Base Image:python=3.9 gradio=3.18.0 torch=2.0.1

If you need to expand hardware quotas or types, please [Apply for Hardware Resources](#)

Advanced Configuration

Create

Cancel

The app defaults to **private**, and can be made public after successful execution.

一切都准备好后，app会自动build和run。此外，你可以通过在github仓库中更新代码，**sync code**实现app源代码的更新。

1.3 向github仓库上传代码

```
1 | git init
```

MINGW64:/e/CASIA/课程讲座资源/2024_pjlab_LLM/Lecture3/visual ground...

```
LENOVO@LAPTOP-H5E4V72N MINGW64 /e/CASIA/课程讲座资源/2024_pjlab_LLM/Lecture3/vis
ual_grounding知识问答chatbot/openxlab平台app部署/vg_chatbot
$ git init
Reinitialized existing Git repository in E:/CASIA/课程讲座资源/2024_pjlab_LLM/Le
cture3/visual_grounding知识问答chatbot/openxlab平台app部署/vg_chatbot/.git/
```

```
1 | git add .
```

```
1 | git commit -m "任意信息"
```

根据指示登录你的github邮箱

```
LENOVO@LAPTOP-H5E4V72N MINGW64 /e/CASIA/课程讲座资源/2024_pjlab_LLM/Lecture3/visual_grounding知识问答chatbot/openxlab平台app部署/vg_chatbot (master)
$ git commit
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'LENOVO@LAPTOP-H5E4V72N.(none)')
```

登陆之后:

```
LENOVO@LAPTOP-H5E4V72N MINGW64 /e/CASIA/课程讲座资源/2024_pjlab_LLM/Lecture3/visual_grounding知识问答chatbot/vg_chatbot (master)
$ git commit -m "nth commits"
[master 022e2b7] nth commits
249 files changed, 361 insertions(+), 3 deletions(-)
create mode 100644 environment.yml
create mode 100644 readme.md
create mode 100644 vg_chatbot.ipynb
rename vg_data/{storage => zotero_storage}/2CBW6QHG/.zotero-ft-cache (100%)
rename vg_data/{storage => zotero_storage}/2CBW6QHG/.zotero-ft-info (100%)
rename vg_data/{storage => zotero_storage}/2CBW6QHG/Ouali et al_2020_An Overview of Deep Semi-Supervised Learning.pdf (100%)
rename vg_data/{storage => zotero_storage}/2JJ25KM7/.zotero-ft-cache (100%)
rename vg_data/{storage => zotero_storage}/2JJ25KM7/.zotero-ft-info (100%)
rename vg_data/{storage => zotero_storage}/2JJ25KM7/.zotero-pdf-state (100%)
rename vg_data/{storage => zotero_storage}/2JJ25KM7/Wang et al_2019_Learning Two-Branch Neural Networks for Image-Text Matching Tasks.pdf (100%)
```

```
1 | git remote add origin https://github.com/juxingyiwan/vg_chatbot.git
```

```
1 | git push -u origin master
```

```
LENOVO@LAPTOP-H5E4V72N MINGW64 /e/CASIA/课程讲座资源/2024_pjlab_LLM/Lecture3/visual_grounding知识问答chatbot/openxlab平台app部署/vg_chatbot (master)
$ git push -u origin master
```

如果想在main上提交, 那么:

```
1 | git branch -M main
2 | git push -u origin main
```

2 报错

2.1 git 上传文件有100MB限制?

报错如下:

```
1 | remote: error: File m.mp4 is 364.05 MB; this exceeds GitHub's file size limit  
   | of 100.00 MB
```

解决方案:

首先在git-lfs的github仓库找到下载文件, 下载至 `Git\bin` 目录下。

使用的时候, 首先进行lfs安装

```
1 | git lfs install
```

接着track根目录下的文件, 其中*表示跟踪所有文件

```
1 | git lfs track *
```

后续按照征程进程操作即可。

2.2 fatal: unable to access xxx: Empty reply from server

```
1 | git config --global --unset http.proxy  
2 | git config --global --unset https.proxy
```

2.3 openlab的sqlite3 版本过低

```
1 | RuntimeError: Your system has an unsupported version of sqlite3. Chroma  
   | requires sqlite3 >= 3.35.0.
```

参考:

[Troubleshooting | Chroma \(trychroma.com\)](#)

在创建数据库的文件和app.py开头均添加如下代码:

```
1 | __import__('pysqlite3')
2 | import sys
3 | sys.modules['sqlite3'] = sys.modules.pop('pysqlite3')
```

并在 requirements.txt 中添加一个新的依赖: `pysqlite3-binary`

2.4 git push 失败

```
1 | $ git push -u origin main
2 | To https://github.com/juxingyiwan/vg_chatbot.git
3 | ! [rejected]          master -> master (fetch first)
4 | error: failed to push some refs to
   | 'https://github.com/juxingyiwan/vg_chatbot.git'
```

1. 暴力做法, 强制上传, 覆盖远程库:

```
1 | git push -f origin main
```

2. 温柔的做法:

```
1 | git merge master --allow-unrelated-histories
```