



- `docker save [REDACTED]`

```
apptainer build abc.sif docker-archive://abc.tar
```

????

1. `[REDACTED]` `apptainer build --fix-perms --sandbox build`  
`docker://docker.nju.edu.cn/library/ubuntu`
2. `[REDACTED]` `apptainer shell build/`
3. `[REDACTED]` `apt` `make`
4. `[REDACTED]` `exit`
5. `[REDACTED]` `SIF[REDACTED]` `apptainer build abc.sif build`

`[REDACTED]` `root[REDACTED]`

CI????

`[REDACTED]` [git.nju.edu.cn](http://git.nju.edu.cn) `[REDACTED]` CI/CD `[REDACTED]` `kaniko` `[REDACTED]` `Docker` `[REDACTED]` `[REDACTED]` `[REDACTED]` `apptainer`  
`build ocr.sif docker://reg.nju.edu.cn/yaoge123/ocr`

`[REDACTED]` [CI/CD\[REDACTED\]](#) [Docker\[REDACTED\]](#)

????

`[REDACTED]`

```
#BSUB -q 62v100ib
#BSUB -gpu num=4

apptainer exec --nv cuda.sif app
```

????

- `--nv [REDACTED]` `NVIDIA GPUs & CUDA[REDACTED]`
- `--bind/-B src[:dest[:opts]] [REDACTED]`

????

- [Apptainer](#)
  - [Apptainer User Guide](#)
  - [Docker Hub](#)
  - [NVIDIA NGC](#)
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