



Apptainer

2021 11 Singularity Linux Apptainer Apptainer
Docker HPC Apptainer Singularity Image File (SIF) Singularity
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Singularity Image File (SIF)



/fs00/software/singularity-images/ SIF



Docker Hub SIF

- Docker Hub `apptainer build ubuntu.sif docker://docker.nju.edu.cn/library/ubuntu`
- NVIDIA NGC `apptainer build ngc_cuda.sif docker://ngc.nju.edu.cn/nvidia/cuda`

- docker save []

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

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

root

C

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 git.nju.edu.cn CI/CD kaniko Docker apptainer

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

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

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

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