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2.2??????????

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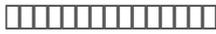
access.nju.edu.cn □□□□

← 

 access.nju.edu.cn

 已启用一次性密码
可以使用此应用生成的一次性密码代码来验证登录

一次性密码代码
 14 234 477



帐号登录

两步认证密码:



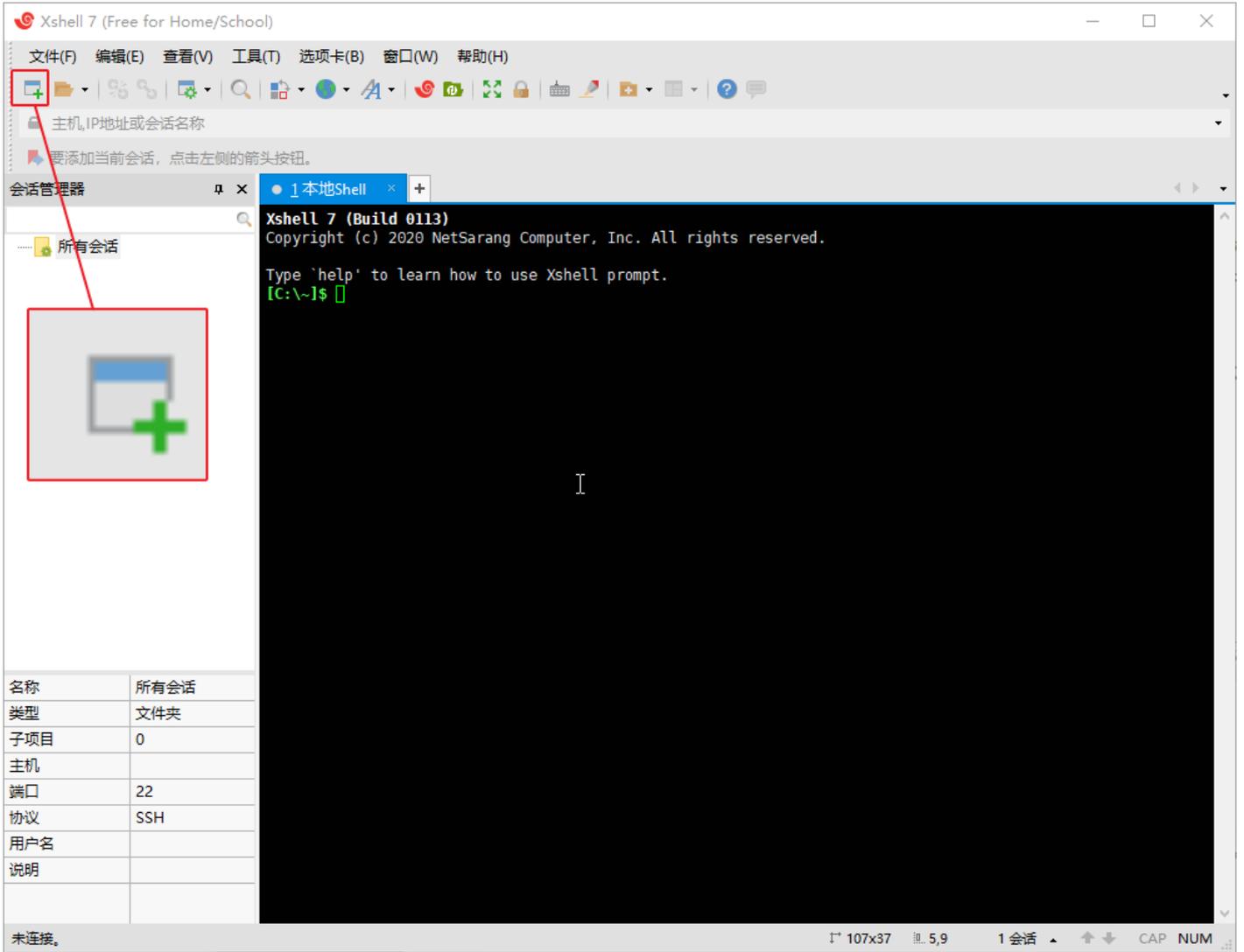


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SSH用户身份验证

远程主机: **access.nju.edu.cn:22 (唐楼集群)**

登录名: **hfd_jitz**

服务器类型: **SSH2, QIZHI-3.3**

请在下面选择恰当的身份验证方法并提供登录所需的信息。

Password(P)

密码(W):

Public Key(U)

用户密钥(K): 浏览(B)...

密码(H):

Keyboard Interactive(I)

使用键盘输入用户身份验证。

记住密码(R)

确定 取消

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```
ls
```

```
████████████████████████████████████████
```

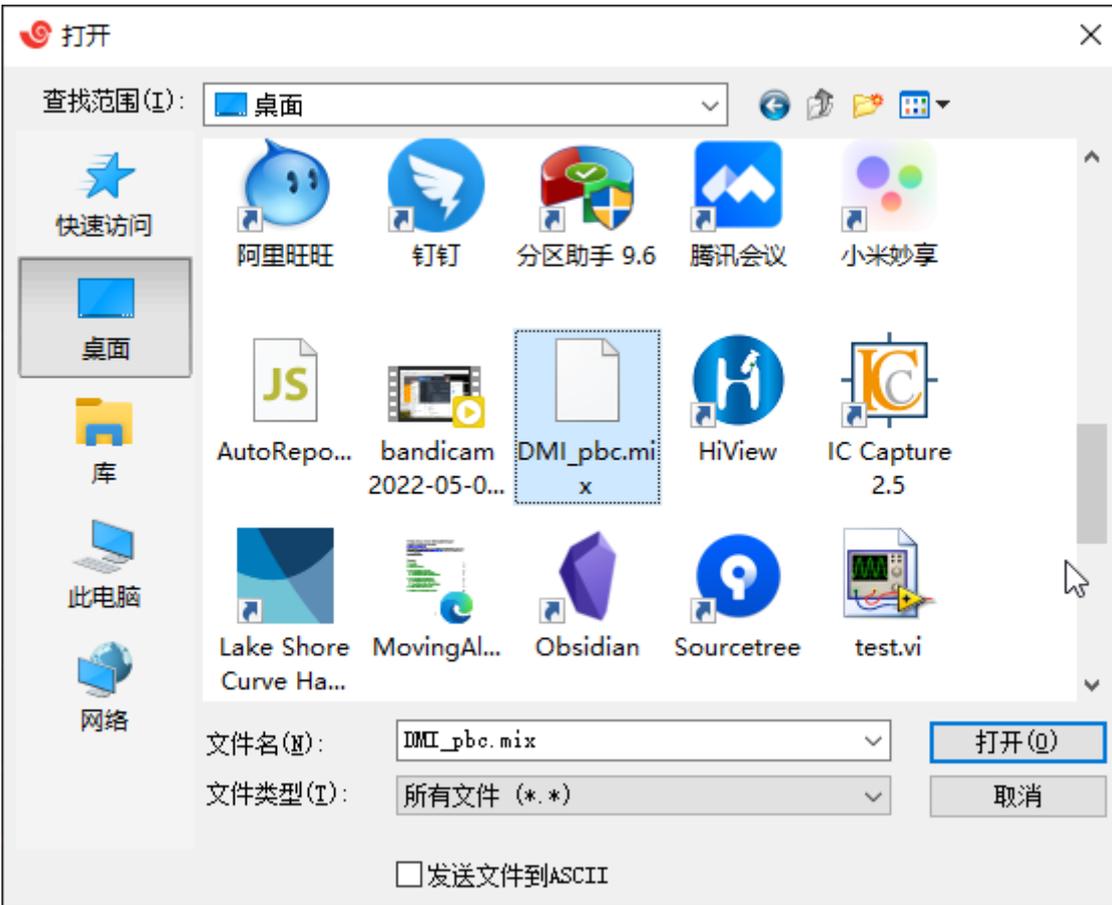
```
mkdir mumax_20221014  
cd mumax_20221014
```

```
██████████ mumax_20221014 ████████ make directory████████████████████
```

```
████████████████████████████████████████ change directory█
```

```
rz
```

```
██████████
```



```
██████████ mumax██████ DMI_pbc.mix ████
```

```
vim job.lsf
```

□□□ □ job.lsf □□□□□□□□□□

<https://doc.nju.edu.cn/books/efe93/page/mumax>

□□□□□

```
#BSUB -q 723090ib
#BSUB -gpu num=1

mx3in=DMI_pbc.mix

module load cuda/11.2.0
/fs00/software/mumax/3.10-cuda11.0/mumax3 $mx3in
```

□ 1 □□□□□□□□□□□□□□□□

□ 2 □□□□□□□□□□ GPU□□

□ 4 □□ □ mx3in □□□□□ □ DMI_pbc.mix □□□□□□□□□□

□ 6 □□□□ □ cuda-11.2.0 □□□□□ □ <https://doc.nju.edu.cn/books/efe93/page/nvidia>□

□ 7 □□□□ □ mumax3 □□□□ □ mx3in □□□□□□□□□□

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1. □□□ Xfce4 □□□□□□□□□□□□□□□□



GPU

GPU

```

+-----+-----+-----+-----+-----+-----+-----+-----+
| NVIDIA-SMI 470.57.02   Driver Version: 470.57.02   CUDA Version: 11.4   |
+-----+-----+-----+-----+-----+-----+-----+-----+
| GPU  Name          Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp   Perf   Pwr:Usage/Cap|      Memory-Usage | GPU-Util  Compute M. |
|                               |              MIG M. |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  0  NVIDIA GeForce ...  Off   | 00000000:01:00.0 Off  |         N/A         |
| 30%   28C    P8    20W / 350W |    0MiB / 24268MiB |         0%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  1  NVIDIA GeForce ...  Off   | 00000000:25:00.0 Off  |         N/A         |
| 83%   57C    P2   331W / 350W |   1749MiB / 24268MiB |        83%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  2  NVIDIA GeForce ...  Off   | 00000000:41:00.0 Off  |         N/A         |
| 84%   61C    P2   341W / 350W |   1729MiB / 24268MiB |        99%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  3  NVIDIA GeForce ...  Off   | 00000000:61:00.0 Off  |         N/A         |
| 67%   56C    P2   339W / 350W |   1727MiB / 24268MiB |        99%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  4  NVIDIA GeForce ...  Off   | 00000000:81:00.0 Off  |         N/A         |
| 30%   26C    P8    18W / 350W |    0MiB / 24268MiB |         0%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  5  NVIDIA GeForce ...  Off   | 00000000:A1:00.0 Off  |         N/A         |
| 31%   23C    P8    15W / 350W |    0MiB / 24268MiB |         0%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  6  NVIDIA GeForce ...  Off   | 00000000:C1:00.0 Off  |         N/A         |
| 78%   59C    P2   311W / 350W |   1797MiB / 24268MiB |        94%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  7  NVIDIA GeForce ...  Off   | 00000000:E1:00.0 Off  |         N/A         |
| 64%   55C    P2   299W / 350W |    367MiB / 24268MiB |        91%         Default
|                               |                     |                     N/A |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

I

top



```
top - 22:15:45 up 46 days, 14:35, 1 user, load average: 10.34, 10.59, 10.88
Tasks: 609 total, 7 running, 602 sleeping, 0 stopped, 0 zombie
%Cpu(s): 23.6 us, 3.8 sy, 0.0 ni, 72.5 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 52811824+total, 46955865+free, 47507048 used, 11052520 buff/cache
KiB Swap: 0 total, 0 free, 0 used. 47364940+avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
10678	ww_zhou+	20	0	10.8g	3.6g	425092	R	306.6	0.7	10280:34	gmx
4146	ww_zhou+	20	0	10.9g	3.8g	425888	R	305.0	0.7	9334:56	gmx
39000	ww_zhou+	20	0	11.0g	3.9g	428344	R	301.0	0.8	23591:43	gmx
47492	ww_zhou+	20	0	10.9g	3.8g	425936	R	293.0	0.8	1109:04	gmx
48798	hfd_jitz	20	0	6847296	341760	110104	R	101.3	0.1	7:37.18	mumax3
30434	root	0	-20	110224	12644	3220	S	3.3	0.0	1453:51	lim
2636	root	-51	0	0	0	0	S	0.7	0.0	145:22.59	irq/743-nvidia
2638	root	20	0	0	0	0	S	0.7	0.0	105:29.48	nv_queue
6606	root	-51	0	0	0	0	S	0.7	0.0	90:55.18	irq/744-nvidia
7008	root	-51	0	0	0	0	S	0.7	0.0	54:18.78	irq/748-nvidia
7010	root	20	0	0	0	0	S	0.7	0.0	32:44.23	nv_queue
10424	ww_zhou+	20	0	41508	7396	1760	S	0.7	0.0	6:34.67	res
12970	hfd_jitz	20	0	173232	2860	1632	R	0.7	0.0	0:00.35	top
9	root	20	0	0	0	0	S	0.3	0.0	210:52.20	rcu_sched
2800	ww_zhou+	20	0	41508	7396	1760	S	0.3	0.0	6:04.84	res
6608	root	20	0	0	0	0	S	0.3	0.0	57:52.29	nv_queue
6844	root	-51	0	0	0	0	S	0.3	0.0	41:32.73	irq/745-nvidia
6846	root	20	0	0	0	0	S	0.3	0.0	28:24.47	nv_queue
7011	root	-51	0	0	0	0	S	0.3	0.0	71:22.35	irq/749-nvidia
7013	root	20	0	0	0	0	S	0.3	0.0	45:01.17	nv_queue
7835	root	0	-20	48.1g	24.1g	1.5g	S	0.3	4.8	20519:12	mmfsd
17532	root	20	0	0	0	0	S	0.3	0.0	0:02.17	kworker/45:2
42987	root	20	0	0	0	0	S	0.3	0.0	0:00.21	kworker/46:0
45476	root	20	0	0	0	0	S	0.3	0.0	0:00.56	kworker/33:1
48439	root	20	0	0	0	0	S	0.3	0.0	0:05.20	kworker/36:0
48718	hfd_jitz	20	0	41500	7332	1736	S	0.3	0.0	0:00.91	res
1	root	20	0	52268	4584	2628	S	0.0	0.0	124:09.10	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:11.58	kthreadd
4	root	0	-20	0	0	0	S	0.0	0.0	0:00.00	kworker/0:0H
6	root	20	0	0	0	0	S	0.0	0.0	1:03.81	ksoftirqd/0



<https://mon.nju.edu.cn>

grafana

General/NVIDIA DCGM Exporter

instance

m002:9400

m002

GPU



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15██████████

██████████

m002██████████

login1██████

exit

██████████

sz <██████>██████████

Xftp██████████

Xfce4██

██████████

HPC████████████████████

██████_██████

Box██████████

Revision #17
 Created 2 August 2023 20:07:20 by LadderOperator
 Updated 14 February 2025 13:49:37 by LadderOperator