

# Uso de CUDA en el servidor PUCP

# Acceso al servidor

pucp user: pucp

pucp domain: pucp.domain “example 212.30.1.20”

server user: user

server domain: server.domain “example 127.9.14.110”

```
$ ssh pucp@pucp.domain -t "ssh user@server.domain"
```

Ingresar:

pucp user password...

server user password...

# Comandos

Con nvidia-smi se puede visualizar el estado de los GPU disponibles y en uso del computador.

```
jlazo@discovery:~$ nvidia-smi
```

NVIDIA-SMI 470.103.01    Driver Version: 470.103.01    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	... On	00000000:19:00:0 Off		N/A			
16%	35C	P8	1W / 250W	6082MiB / 11019MiB		0%		Default	N/A
-----									
1	NVIDIA	GeForce	... On	00000000:1A:00:0 Off		N/A			
16%	39C	P8	19W / 250W	3311MiB / 11019MiB		0%		Default	N/A
-----									
2	NVIDIA	GeForce	... On	00000000:67:00:0 Off		N/A			
16%	42C	P8	1W / 250W	8MiB / 11019MiB		0%		Default	N/A
-----									
3	NVIDIA	GeForce	... On	00000000:68:00:0 Off		N/A			
17%	42C	P8	21W / 250W	71MiB / 11016MiB		0%		Default	N/A
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Processes:									
GPU	GI	CI	PID	Type	Process name				GPU Memory
	ID	ID							Usage
=====									
0	N/A	N/A	1727	G	/usr/lib/xorg/Xorg				4MiB
0	N/A	N/A	25992	C	.../envs/psl-gan/bin/python3				1001MiB
0	N/A	N/A	28793	C	...a3/envs/iaenv3/bin/python				5073MiB
1	N/A	N/A	1727	G	/usr/lib/xorg/Xorg				4MiB
1	N/A	N/A	28793	C	...a3/envs/iaenv3/bin/python				3303MiB
2	N/A	N/A	1727	G	/usr/lib/xorg/Xorg				4MiB
3	N/A	N/A	1727	G	/usr/lib/xorg/Xorg				39MiB
3	N/A	N/A	2131	G	/usr/bin/gnome-shell				26MiB
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