

# Computa

CPU/GPU



# Computa



Computa

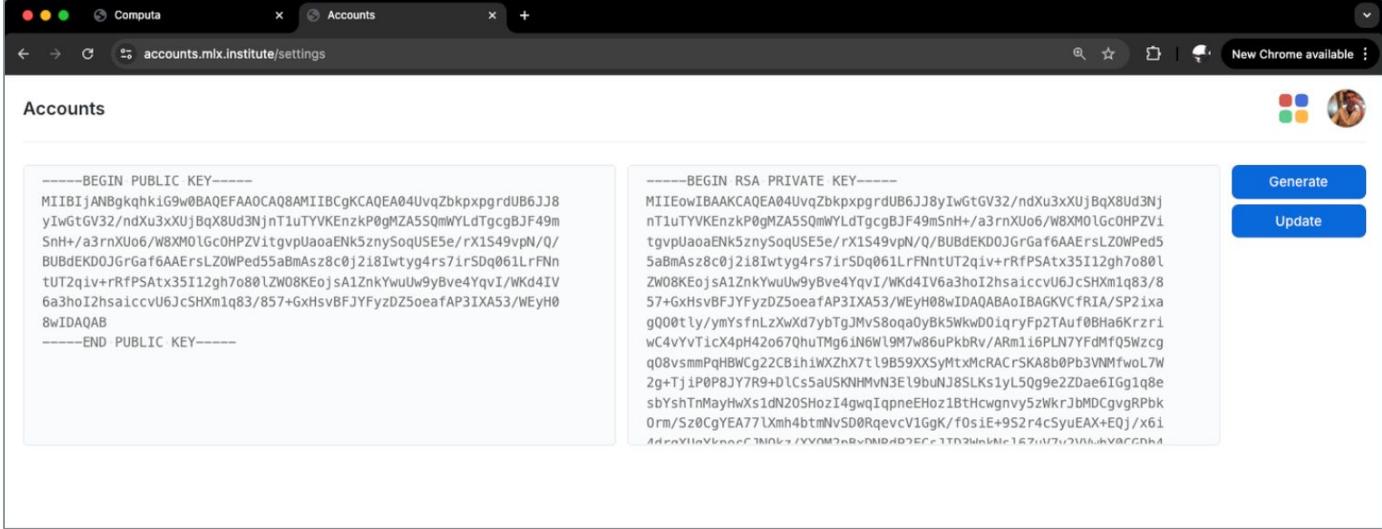
CPU GPU

id	Name	Cores	CPU RAM	Storage	Hourly Price	Monthly Price
22	cpx11	2	2 GB	40 GB	€0.0076	€4.62
23	cpx21	3	4 GB	80 GB	€0.0134	€8.46
24	cpx31	4	8 GB	160 GB	€0.0253	€15.72
25	cpx41	8	16 GB	240 GB	€0.0491	€29.64
26	cpx51	16	32 GB	360 GB	€0.0946	€65.28
45	cax11	2	4 GB	40 GB	€0.0064	€3.95
93	cax21	4	8 GB	80 GB	€0.0115	€7.19
94	cax31	8	16 GB	160 GB	€0.0230	€14.39
95	cax41	16	32 GB	320 GB	€0.0481	€28.79
96	ccx13	2	8 GB	80 GB	€0.0230	€14.39
97	ccx23	4	16 GB	160 GB	€0.0481	€28.79
98	ccx33	8	32 GB	240 GB	€0.0923	€57.59
99	ccx43	16	64 GB	360 GB	€0.1846	€115.19
100	ccx53	32	128 GB	600 GB	€0.3692	€230.39
101	ccx63	48	192 GB	960 GB	€0.5538	€345.59
104	cx22	2	4 GB	40 GB	€0.0062	€3.95
105	cx32	4	8 GB	80 GB	€0.0126	€7.56
106	cx42	8	16 GB	160 GB	€0.0338	€49.08
107	cx52	16	32 GB	320 GB	€0.0638	€38.28

Computa

CPU GPU

id	GPU RAM	Hourly Price	Monthly Price	Availability
unknown	0 GB	\$0	\$0	null / null
NVIDIA RTX A2000	6 GB	\$0.12	\$86	4 / 4
NVIDIA GeForce RTX 3070	8 GB	\$0.13	\$94	33 / 39
NVIDIA RTX A4000	24 GB	\$0.16	\$115	115 / 143
NVIDIA GeForce RTX 3080	10 GB	\$0.17	\$122	19 / 25
NVIDIA RTX A4000	16 GB	\$0.17	\$122	58 / 143
NVIDIA GeForce RTX 3080 Ti	12 GB	\$0.18	\$130	14 / 21
NVIDIA GeForce RTX 4070 Ti	12 GB	\$0.19	\$137	6 / 7
NVIDIA RTX A4500	20 GB	\$0.19	\$137	56 / 73
Tesla V100-FHHL-16GB	16 GB	\$0.19	\$137	6 / 8
Tesla V100-Pcie-16GB	16 GB	\$0.19	\$137	16 / 16
NVIDIA RTX 4000 Ada Generation	20 GB	\$0.2	\$144	24 / 36
NVIDIA A30	24 GB	\$0.22	\$158	8 / 8
NVIDIA GeForce RTX 3090	24 GB	\$0.22	\$158	325 / 611
Tesla V100-SXM2-16GB	16 GB	\$0.23	\$166	11 / 16
NVIDIA GeForce RTX 3090 Ti	24 GB	\$0.27	\$194	4 / 4
NVIDIA GeForce RTX 4080	16 GB	\$0.27	\$194	5 / 5
NVIDIA GeForce RTX 4080 SUPER	16 GB	\$0.28	\$202	13 / 15
NVIDIA RTX A6000	48 GB	\$0.33	\$238	60 / 62
Tesla V100-SXM2-32GB	32 GB	\$0.33	\$238	4 / 12
NVIDIA GeForce RTX 4090	24 GB	\$0.34	\$245	538 / 617
NVIDIA A40	48 GB	\$0.35	\$252	null / null
NVIDIA L4	24 GB	\$0.44	\$377	null / null
NVIDIA GeForce RTX 5080	16 GB	\$0.49	\$353	3 / 27
NVIDIA RTX 5000 Ada Generation	32 GB	\$0.49	\$353	2 / 8
AMD Instinct MI300X GAM	192 GB	\$0.5	\$360	null / null
NVIDIA B200	180 GB	\$0.5	\$360	null / null
NVIDIA RTX 2000 Ada Generation	16 GB	\$0.5	\$360	null / null
NVIDIA RTX PRO 6000 Blackwell Workstation Edition	96 GB	\$0.5	\$360	null / null
NVIDIA GeForce RTX 5090	32 GB	\$0.69	\$497	39 / 53
NVIDIA L40	48 GB	\$0.69	\$497	9 / 14
NVIDIA RTX 6000 Ada Generation	48 GB	\$0.74	\$533	22 / 32
NVIDIA L40S	48 GB	\$0.79	\$569	6 / 12
NVIDIA A100 80GB PCIe	80 GB	\$1.19	\$857	14 / 30
NVIDIA A100-SXM4-80GB	80 GB	\$1.39	\$1001	29 / 32



Accounts

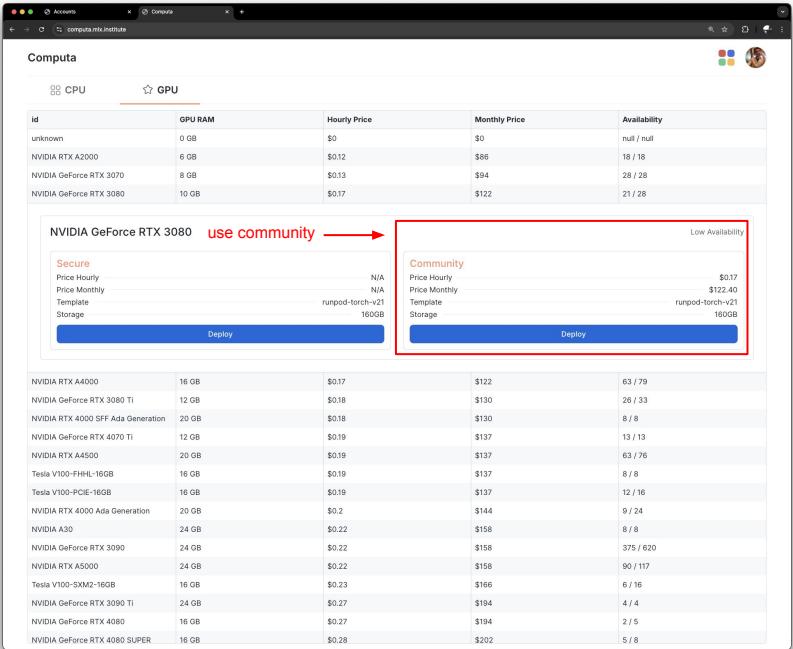
```
-----BEGIN PUBLIC KEY-----
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yIwGtGV32/ndXu3xXUjBqX8Ud3NjnT1uTYVKEnzKP0gMZA5S0mWYLdTgcgBJF49m
SnH+/a3rnXUo6/W8XMOlGcOHPZVi1tgvpUaaaEnk5znySoquSE5e/rX1549vpN/Q/
BUBdEKOJGrGaf6AAErslsLZ0WPed55aBmAzb8c0j218Iwttyg4rs7irSDq061LrFn
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6a3hoI2hsaaccvU6JcsHXm1q83/857+GxHsvBFJYFyzD50eafAP3IXA53/wEyH0
8wIDAQAB
-----END PUBLIC KEY-----
```

```
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEa04UvqZbkpxpgrdUB6JJ8yIwGtGV32/ndXu3xXUjBqX8Ud3Nj
nT1uTYVKEnzKP0gMZA5S0mWYLdTgcgBJF49mSnH+/a3rnXUo6/W8XMOlGcOHPZVi
tgvpUaaaEnk5znySoquSE5e/rX1549vpN/Q/BUBdEKOJGrGaf6AAErslsLZ0WPed5
5aBmAzb8c0j218Iwttyg4rs7irSDq061LrFnntUT2qiv+rRfPSAtx35I12gh7080L
ZW08KEojSA1znkYwuw9yBve4YqvI/Wk04IV6a3hoI2hsaaccvU6JcsHXm1q83/8
57+GxHsvBFJYFyzD50eefAP3IXA53/wEyH08wIDAQABoIBAGKVCfRIA/SP21xa
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q08vsmnPqHBWc22CB1h1WX2h7t19b59XSyhxmRACrSKAb0pB3VNMfwol7W
2g+Tj1p0P8JY7R9+dLcs5aUSKNHMvn3E19buNJSLks1yL50g9e2ZDaeIGg1q8e
sbYshTnMayHwXs1dN20SHozI4gwqIqpneEHoz1BtHcwgnvy5zWkrJbMDcgvgrPbk
Orm/Sz0CgyYE77Lxmh4btmNvSD0RqevcV1GgK/f0s1e+952r4CsyeEXAxEQj/x61
-----END RSA PRIVATE KEY-----
```

1. click "Generate"
2. wait :)
3. click "Update"
4. wait :)
5. refresh the page

<https://accountsmlx.institute/settings>

# Computa



**Computa**

**GPU**

ID	GPU RAM	Hourly Price	Monthly Price	Availability
unknown	0 GB	\$0	\$0	n/a / n/a
NVIDIA RTX A2000	6 GB	\$0.12	\$66	18 / 18
NVIDIA GeForce RTX 3070	8 GB	\$0.13	\$94	28 / 28
NVIDIA GeForce RTX 3080	10 GB	\$0.17	\$122	21 / 28

**NVIDIA GeForce RTX 3080** use community → Community

Secure	Price Hourly	Price Monthly	Template	Storage
	N/A	N/A	rungpod-torch-v21	160GB

**Deploy**

GPU RAM	Hourly Price	Monthly Price	Availability	
Community	Price Hourly	Price Monthly	Template	Storage

**Deploy**

**Low Availability**

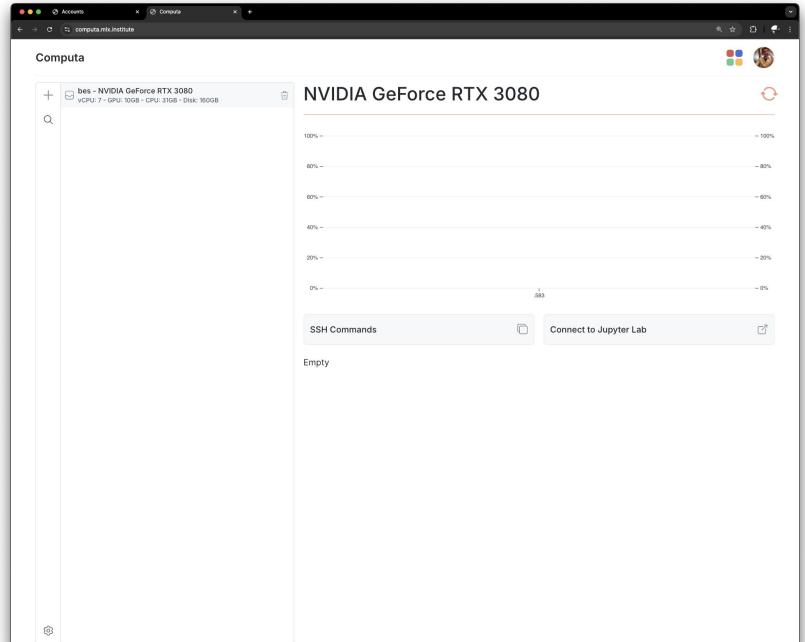
GPU RAM	Hourly Price	Monthly Price	Availability	
Community	Price Hourly	Price Monthly	Template	Storage

**Deploy**

**Compute**

GPU RAM	Hourly Price	Monthly Price	Availability	
Community	Price Hourly	Price Monthly	Template	Storage

**Deploy**



**b6s - NVIDIA GeForce RTX 3080**  
VCPU: 7 · GPU: 10GB · CPU: 310GB · Disk: 160GB

**NVIDIA GeForce RTX 3080**

100% ~ 100%

80% ~ 80%

60% ~ 60%

40% ~ 40%

20% ~ 20%

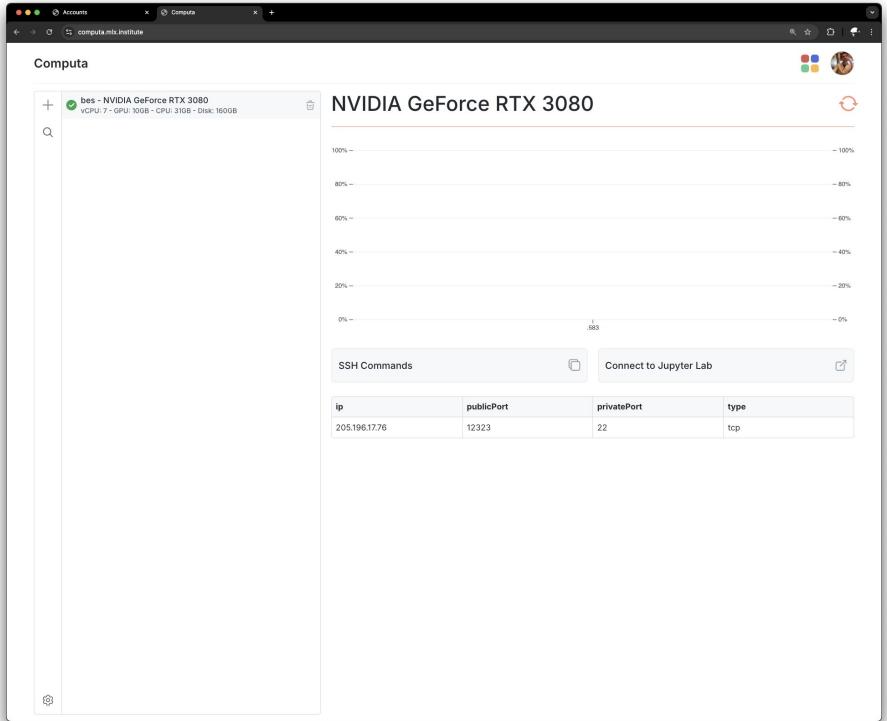
0% ~ 0%

SSH Commands

Connect to Jupyter Lab

Empty

# Computa



The screenshot shows the Computa web interface. At the top, it displays "NVIDIA GeForce RTX 3080" with specifications: vCPU: 7, GPU: 10GB, CPU: 31GB, Disk: 1600GB. Below this is a large empty space with a grid pattern. At the bottom, there are two sections: "SSH Commands" and "Connect to Jupyter Lab". The "SSH Commands" section contains a table:

ip	publicPort	privatePort	type
205.196.17.76	12323	22	tcp

```
# command template
$ ssh -p PORT -i ~/PRIVATE_KEY USER@IP_ADDRESS
# actual example
$ ssh -p 12323 -i ~/.ssh/computa root@205.196.17.76
```

# Terminal

```
↪ mlx-cra git:(main) ✘ ssh -i ./computa_key -p 50814 root@206.41.93.58
The authenticity of host '[206.41.93.58]:50814 ([206.41.93.58]:50814)' cannot be established.
ED25519 key fingerprint is SHA256:j1HPbi2RkaWNM28WIAIw64+UWpwRqLbcx7NHww/uVf
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[206.41.93.58]:50814' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.8.0-49-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

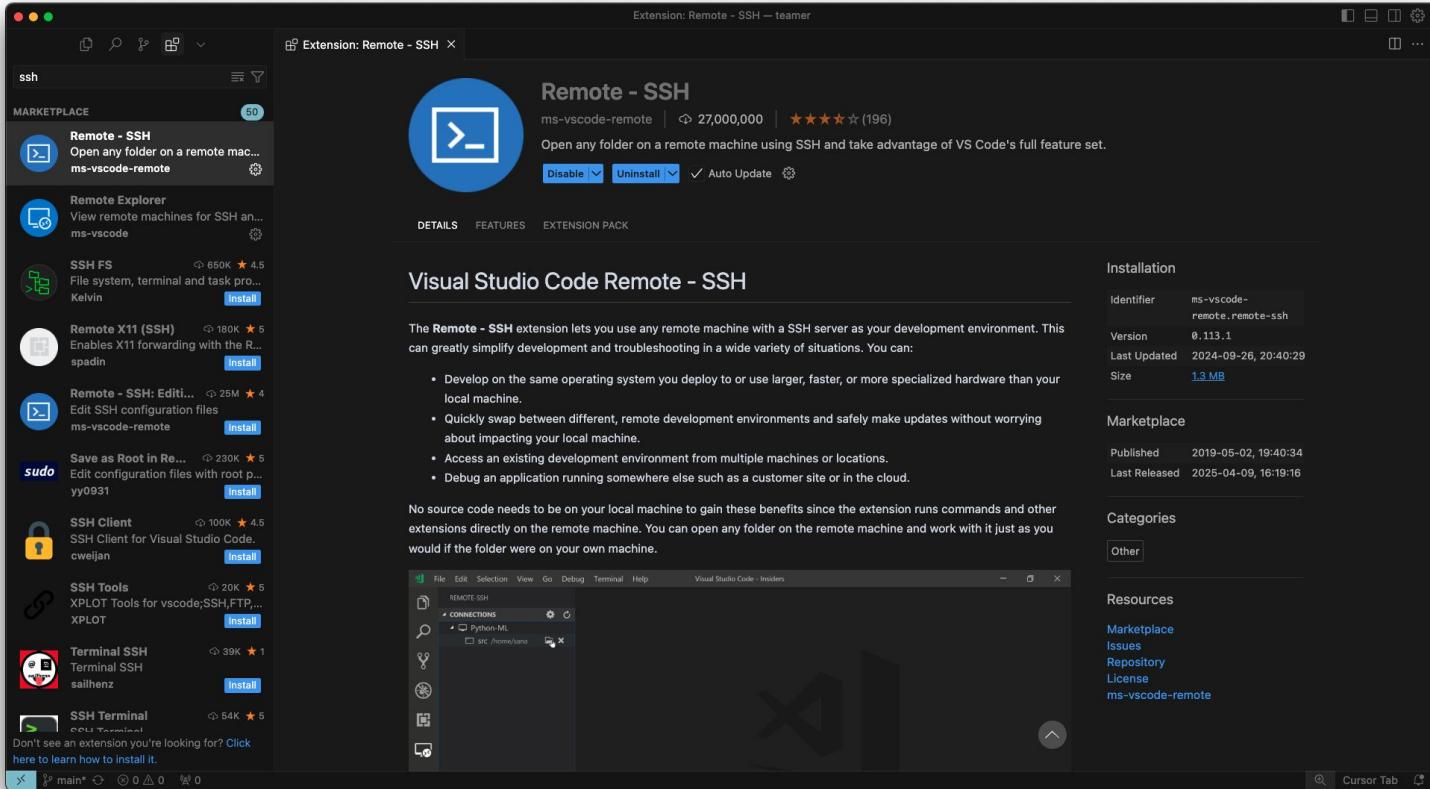
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

A stylized logo consisting of several geometric shapes: two upward-pointing triangles, a downward-pointing triangle, and a square, all interconnected by lines to form a larger, more complex shape resembling a face or a stylized letter 'U'.

For detailed documentation and guides, please visit:
https://docs.runpod.io/ and https://blog.runpod.io/

root@a120b0370b9d:~#
```

# Extensions



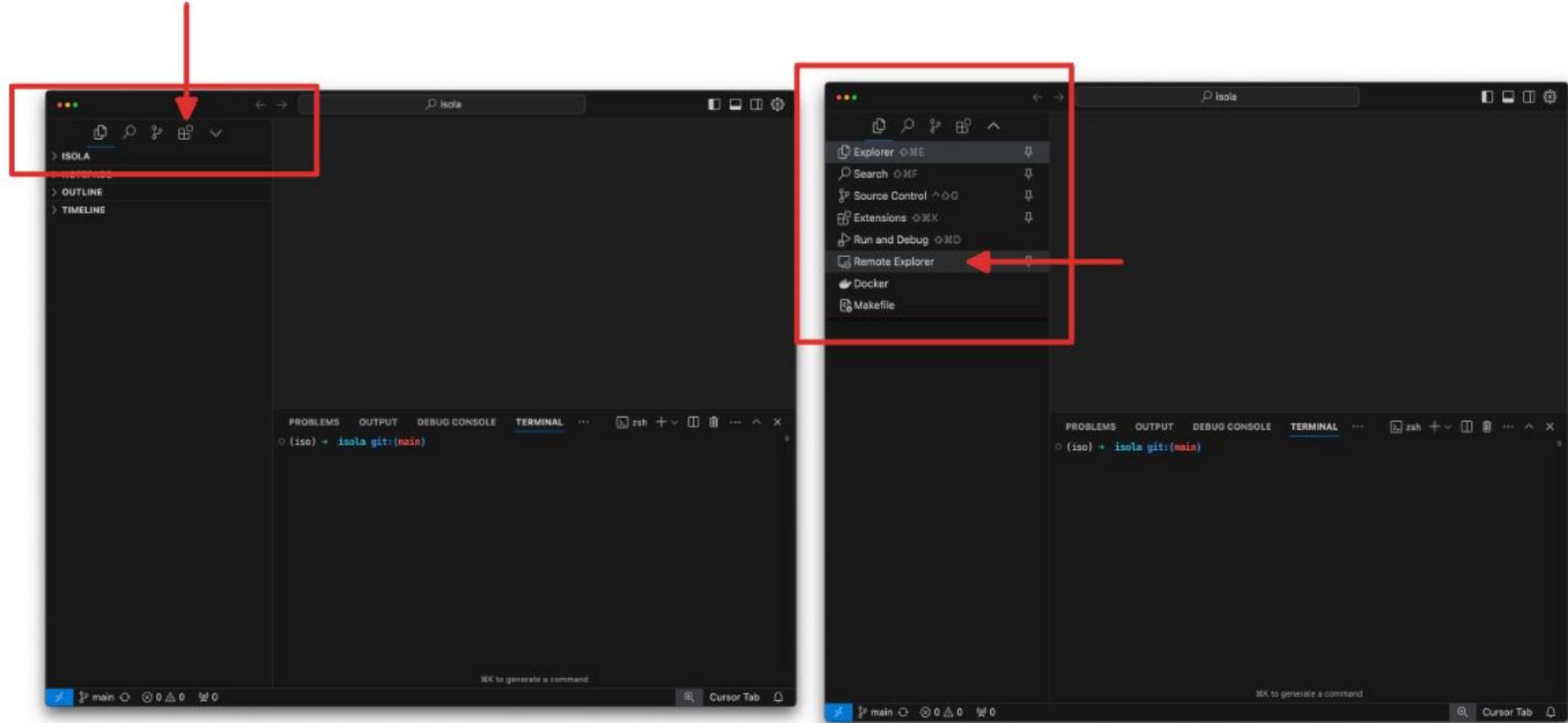
The screenshot shows the Visual Studio Code Marketplace interface. On the left sidebar, under the 'ssh' category, the 'Remote - SSH' extension by 'ms-vscode-remote' is listed with a count of 50 installs. The main content area displays the 'Remote - SSH' extension page, which includes a large blue icon of a terminal window, the extension name, its developer, rating (27,000,000 reviews, 4.5 stars), and a brief description: 'Open any folder on a remote machine using SSH and take advantage of VS Code's full feature set.' Below this, there are tabs for 'DETAILS', 'FEATURES', and 'EXTENSION PACK'. The 'FEATURES' tab contains a bulleted list of benefits:

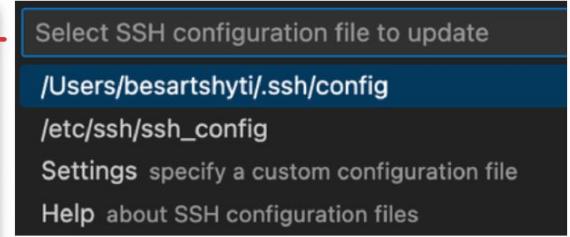
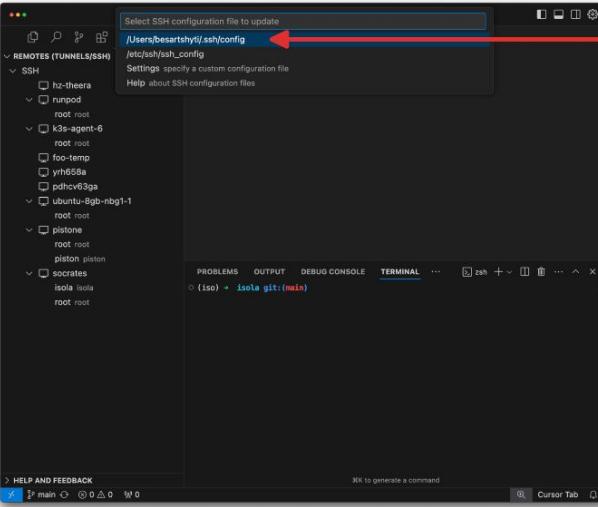
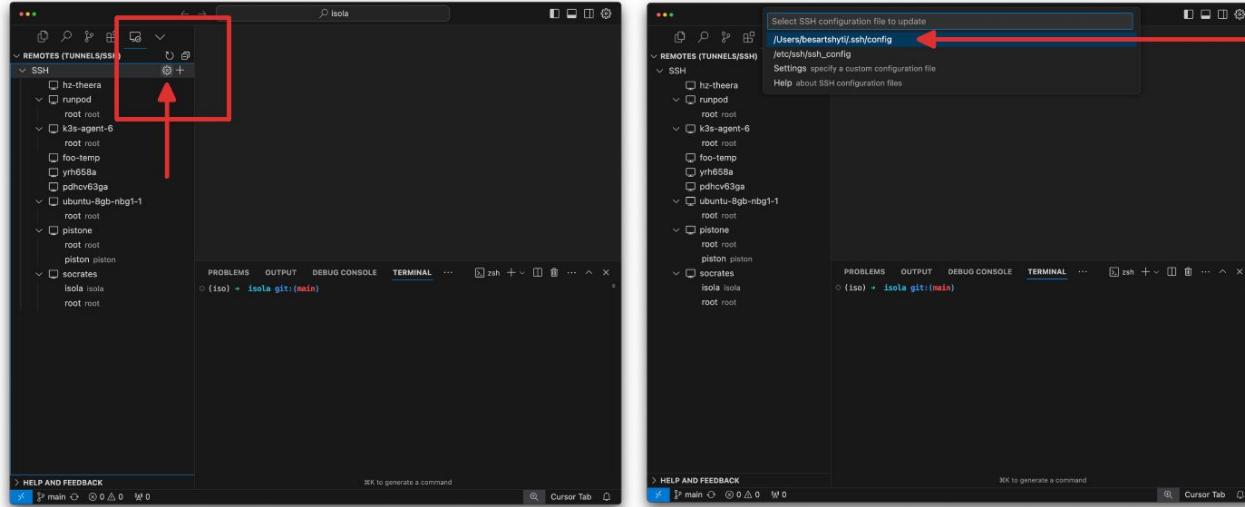
- Develop on the same operating system you deploy to or use larger, faster, or more specialized hardware than your local machine.
- Quickly swap between different, remote development environments and safely make updates without worrying about impacting your local machine.
- Access an existing development environment from multiple machines or locations.
- Debug an application running somewhere else such as a customer site or in the cloud.

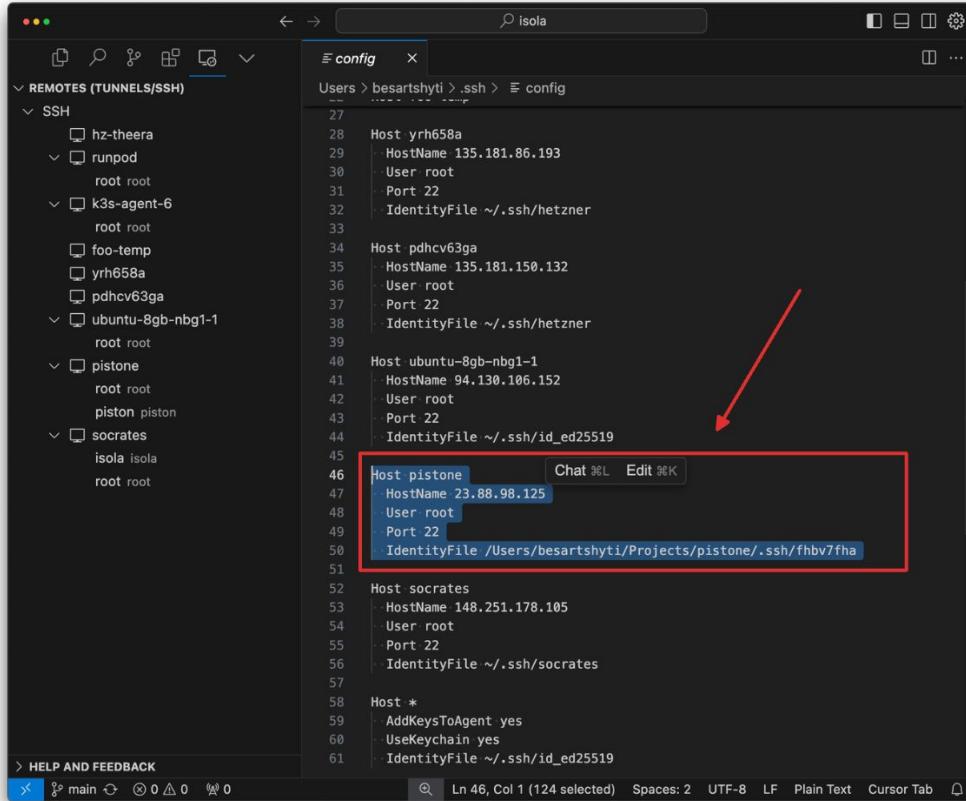
Below the features, a note states: 'No source code needs to be on your local machine to gain these benefits since the extension runs commands and other extensions directly on the remote machine. You can open any folder on the remote machine and work with it just as you would if the folder were on your own machine.'

The right side of the screen shows the 'Installation' and 'Marketplace' sections, and a 'Categories' section with 'Other' selected. At the bottom, there are links for 'Resources' including 'Marketplace', 'Issues', 'Repository', 'License', and 'ms-vscode-remote'.

# IDE

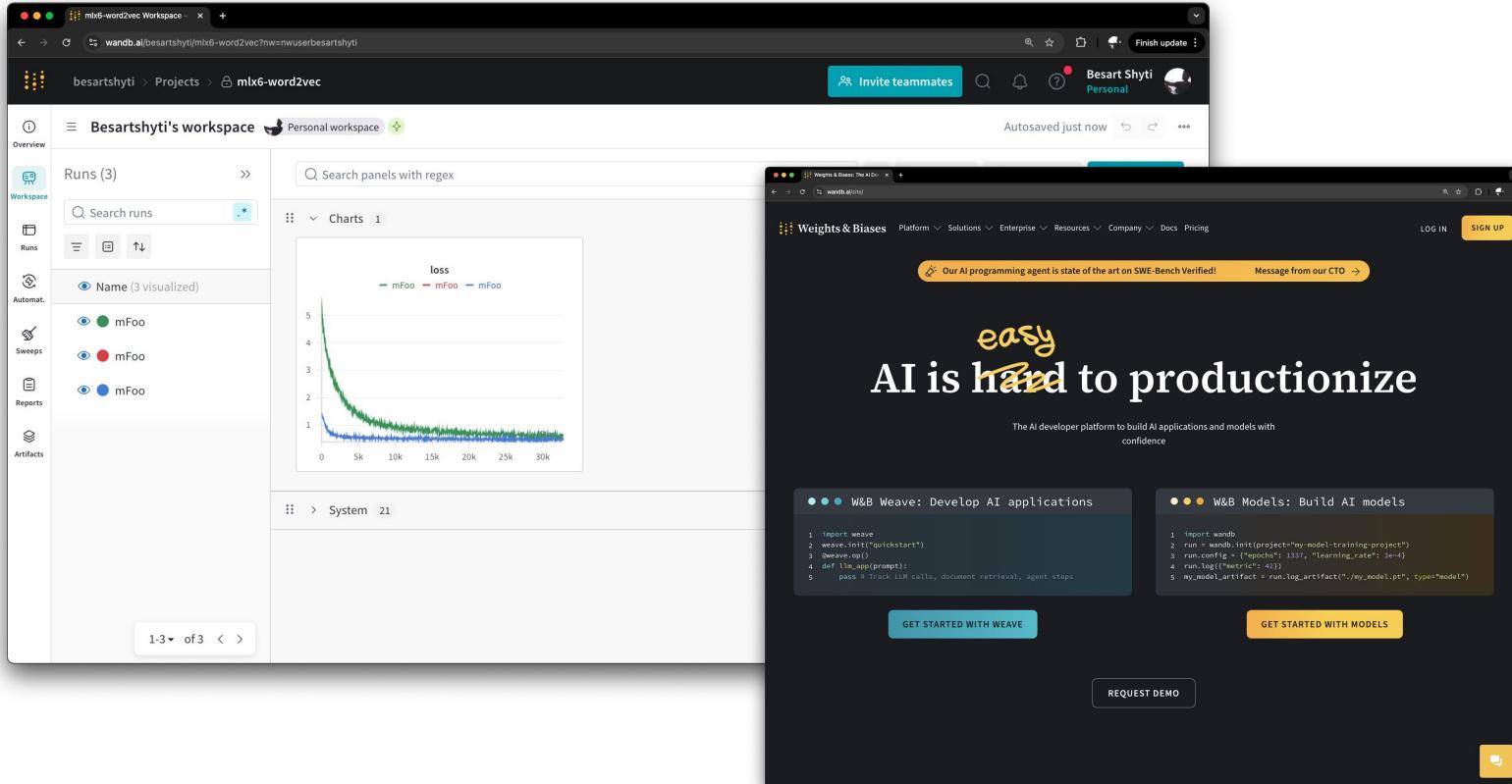






```
Users > besartshyti > .ssh > config
...
27
28 Host yrh658a
29   HostName 135.181.86.193
30   User root
31   Port 22
32   IdentityFile ~/.ssh/hetzner
33
34 Host pdhcv63ga
35   HostName 135.181.150.132
36   User root
37   Port 22
38   IdentityFile ~/.ssh/hetzner
39
40 Host ubuntu-8gb-nbg1-1
41   HostName 94.130.106.152
42   User root
43   Port 22
44   IdentityFile ~/.ssh/id_ed25519
45
46 Host pistone Chat %L Edit %K
47   HostName 23.88.98.125
48   User root
49   Port 22
50   IdentityFile /Users/besartshyti/Projects/pistone/.ssh/fhbv7fha
51
52 Host socrates
53   HostName 148.251.178.105
54   User root
55   Port 22
56   IdentityFile ~/.ssh/socrates
57
58 Host *
59   AddKeysToAgent yes
60   UseKeychain yes
61   IdentityFile ~/.ssh/id_ed25519
```

# Logs

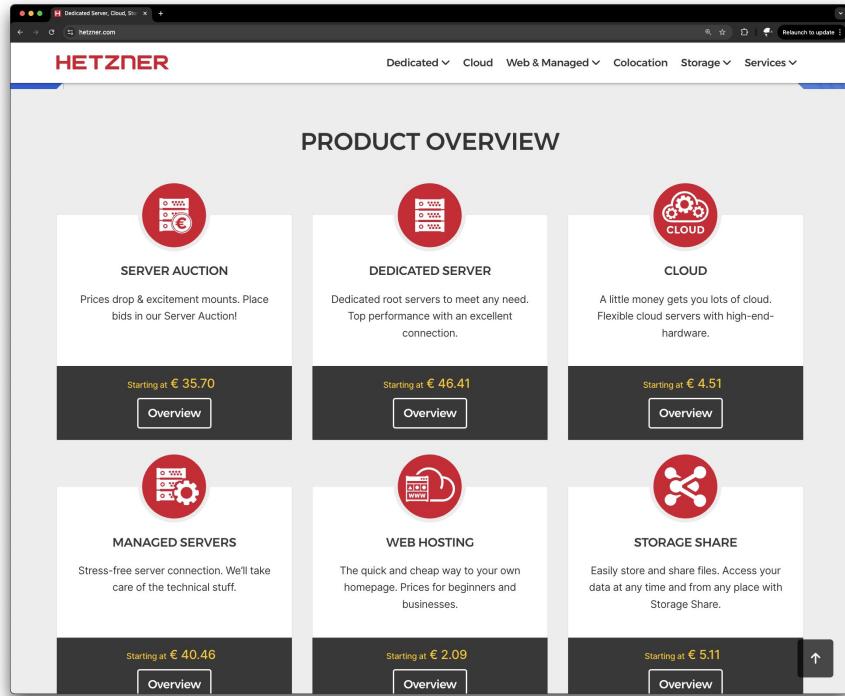


The image displays two screenshots of machine learning development platforms.

**Left Screenshot:** A screenshot of a browser-based workspace interface. The URL is [wandb.ai/besartshyti/mlx6-word2vec?n=w=nuserbesartshyti](https://wandb.ai/besartshyti/mlx6-word2vec?n=w=nuserbesartshyti). The page shows "Besartshyti's workspace" with "Runs (3)". One run is visualized as a line chart titled "loss" showing a decreasing trend from approximately 5 at 0 steps to near 0 at 30k steps. The legend indicates three series: mFoo (green), mFoo (red), and mFoo (blue).

**Right Screenshot:** A screenshot of the "Weights & Biases" platform. The main headline reads "AI is hard to productionize" with the word "easy" written over it in yellow. Below the headline, it says "The AI developer platform to build AI applications and models with confidence". It features two code snippets: one for "W&B Weave: Develop AI applications" and one for "W&B Models: Build AI models". Both snippets show Python code for initializing wandb and defining training configurations. Buttons for "GET STARTED WITH WEAVE", "REQUEST DEMO", and "GET STARTED WITH MODELS" are visible.

# Rent a machine



## Dedicated server

- the machine is all yours
- cheaper per hour
- very powerful
- pay per hour
- MLX has 8 of them

## Cloud

- machine is shared with others
- fast and programmatic setup
- cheaper options
- Computa rents them from here

# Steps

1. Make sure to have “Remote SSH” extension
2. Create the keys “<https://accountsmlx.institute/settings>”
3. Save the keys in your laptop
4. Connect using VSCode

# Good luck!