## Visual Studio Code

### Install VSC

- https://code.visualstudio.com/download
- add ssh extension:
  - https://code.visualstudio.com/docs/remote/ssh



## Install the ssh extension

#### Install Visual Studio Code

- https://code.visualstudio.com/download
- Go to the preference menu/ extensions





#### Search for "ssh"

#### Click on "install" of the Remote - SSH

## Setup connection



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File Edit

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ssh

Selection

View

- Menu open (see below)
  - Select "open ssh configuration file"

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	Connect Current Window to Host	
	Open SSH Configuration File	
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	Open Folder in Container	Remote-Containers
	Clone Repository in Container Volume	
	Attach to Running Container	
)	Add Development Container Configuration Files	
	Try a Development Container Sample	
	Getting Started with Remote-Containers	
	Install Additional Remote Extensions	
		Walkthroughs



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# Setup connection



- First one is likely the best here (it is for me)
- Copy/paste in that file the content of
  - http://www.ceci-hpc.be/sshconfig.html
  - Edit the path to your private key
- Save the file and exit

## connection to cluster



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Selection

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- Menu open (see below)
  - Select "connect to Host"

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### Ssh connection

#### Select the cluster that you want to connect/edit files

	Select configured SSH host or enter user@host
hmem lemaitre3 hercules dragon1 vega nic4 manneback	
mb # zenobe nic5 ingrid	
server02 madgraph mgtest uiuc uiuctest lxplus	

# Start editing file



### **Terminal from VScode**

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•••			New Terminal		helloworld.py — omatt [SSH: nic5]			
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	To customize Run and Debug create a		Run Active File					•
مړ	launch.json file.		Run Selected Text					
\$ <sup>&gt;</sup>			Restart Running Task Terminate Task					
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			Configure Default Build Task					
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		PROBL	EMS OUTPUT <b>TERMINAL</b> PO	ORTS DEBUG C	ONSOLE		👔 bas	י + ~ □ @ ^ ×
	The new NIC5 cluster is now available: give it a try! More info on http://www.ceci-hpc.be/clusters.html#nic5							
	451/4928 CPUs available (load 90%) - 667 jobs running, 943 pending.							
		You currently have 0 job running, 0 pending. You are using 0GB (out of 110GB) in \$HOME and 1876 files (out of 110000). You are using 0 (out of 5.0T) in \$GLOBALSCRATCH and 0 files (out of 500000).						
		Dor	n't know where to start? > http://www.ceci-hpc > http://www.ceci-hpc	.be/install_so1 .be/slurm_tutor	ftware.html ial.html			
$\bigcirc$		omatte	@nic5-login1 ~ \$ python hellow	orld.py				
8		bash: omatt@	python: command not found anic5-login1 ~ \$ module load P	ython				
525		omatte hello	ssh connection this is on the $\sim $	cluster				
≫ SSH:	nic5 🛞 0 🛆 0 👷 0	onalite					Ln 1, Col 53 Spaces: 4 UTF-8	LF Python 🔊 🚨

Note: You do have openssh configured now, you can do "ssh nic5" from your windows terminal