Login with noMachine!

Interactive nodes and their integration into the VSC environment

The interactive nodes, also called rack work stations (RWS), are in parallel to the VSC login nodes. Thus, jobs can be run via SLURM on the clusters's compute nodes as usual.

Setup your graphical connection via !noMachine to the Cluster

• Download and install noMachine!:

https://www.nomachine.com

- · Make sure that you are virtually (VPN) or physically inside the university network
- Add your connection:

to access a !M on VSC			
enter the following in the !M client:			
add connection			
Name: arbitrary Name			
Hosts:	port:	4000	Protocol: NX
on VSC-4			
gui3068-001.vsc.ac.at			
gui3068-002.vsc.ac.at			
gui3068-003.vsc.ac.at			
gui3068-004.vsc.ac.at			
gui3068-005.vsc.ac.at			
gui3068-006.vsc.ac.at			
on VSC-5			
gui3068-007.vsc.ac.at			
gui3068-008.vsc.ac.at			
gui3068-009.vsc.ac.at			
gui3068-010.vsc.ac.at			
gui3068-011.vsc.ac.at			
gui3068-012.vsc.ac.at			

- Click connect, then a new window is opened:
- VSC username + password (+ possibly a new window for your OTP)
- Select virtual desktop
- Attention: According to the manufacturer's specifications, there should always be 256 GB of RAM available. However, due to continuous usage, the available memory may be reduced. When you log in to a node and perform a large computation (which is not recommended as large jobs should be submitted to the cluster), please remember to check the available memory in the terminal:

free -h

For large computations, especially in CFD and FEM, you often require over 200 GB of RAM.

• Open in the noMachine! enviroment one terminal and start:

module load (your preferred module)
gpurender (name of executable) & #For any application with accelerated OpenGL

Open graphically demanding case and check the GPU performance with nvidia-smi

Please log off once you're finished using NoMachine to save energy and reduce costs!

Photo Story:

	Connect	VPN TU V	Vien	
< E(dit connection	NoMachine		
	Address Name, host, port and protocol Configuration Authentication and multimedia Info Model, OS and product version	Machine address gui-004 Direct connection over the In Give a name and save the settings for Name: gui-004 Host: gui3068-004.vsc.ac.at	Port: 22	nnect X Remove
		Reset saved preferences and pass	sword	

Please type your username and password to login.

	Username	<your username="" vsc=""></your>
	Password	******
•		Save this password in the connection file

Cancel Login







< Display settings		NOMACHINE
	Change the settings below or click the "<" back button to close the menu. Display Guality Best speed ' ' ' Best quality 	
	Resolution B00x480 1280x800 1440x900 1680x1050 1920x1200 Use custom resolution W H Monitor 1 2 Ask the desktop resolution upon connecting Monitor 1	
	Options Modify the advanced display settings Modify	
	L Display 1280x800, codec H.264 NVENC/VDA, audio Opus 22kHZ stereo	
MALL BUSINESS SERVER		