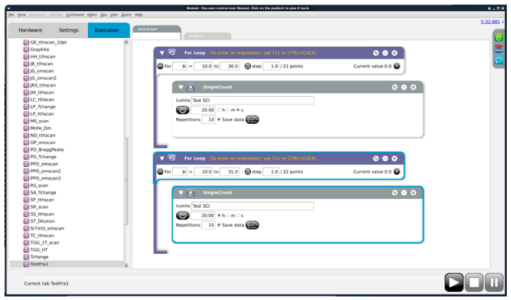
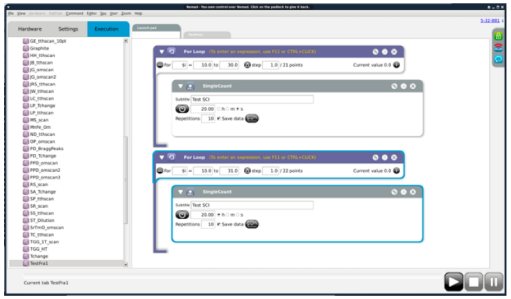
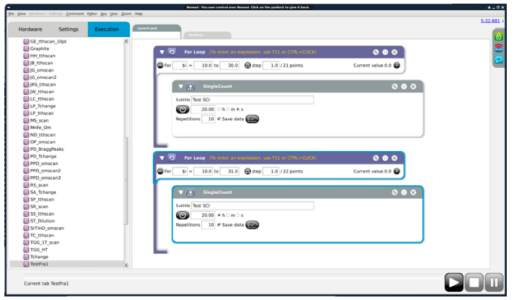
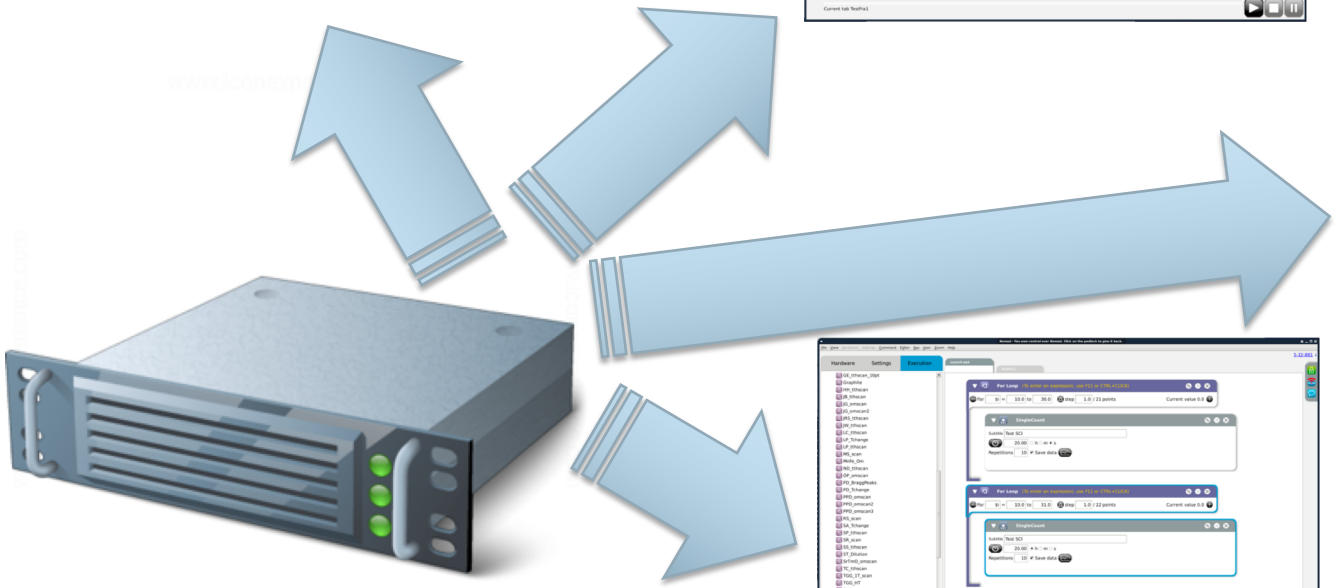
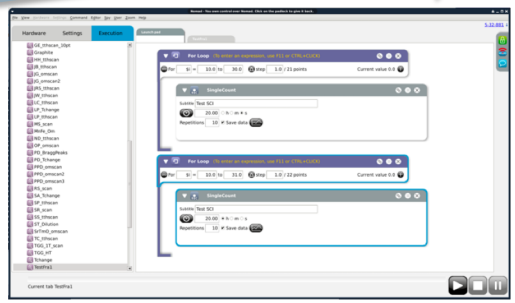
NOMAD REMOTE











The Principle

One server – different types of clients

Main: client running usually on the same machine as the Nomad server

Remote: client on a real machine located in the dedicated building

Tablet

Connection Rules

A session is associated with an instrument. The rules depend on the type of client:

- **Main**: the session is accessible as usual with normal instrument login/password.
  Only a session to the associated instrument can be open

- **Remote**: the user can open a session on any instrument for which he has access.
  The right is given by the Data Policy:
  - The user enters (username, password, instrument).
  - The user is part of ILL staff: in all cases access is authorized.
  - The user is not part of ILL staff:
    - The user is part of the current proposal: access is authorized.
    - The instrument is in internal use: access is denied.
- **Tablet** has no rule for opening a session

Change of proposal will disconnect all clients

Change Of Proposal

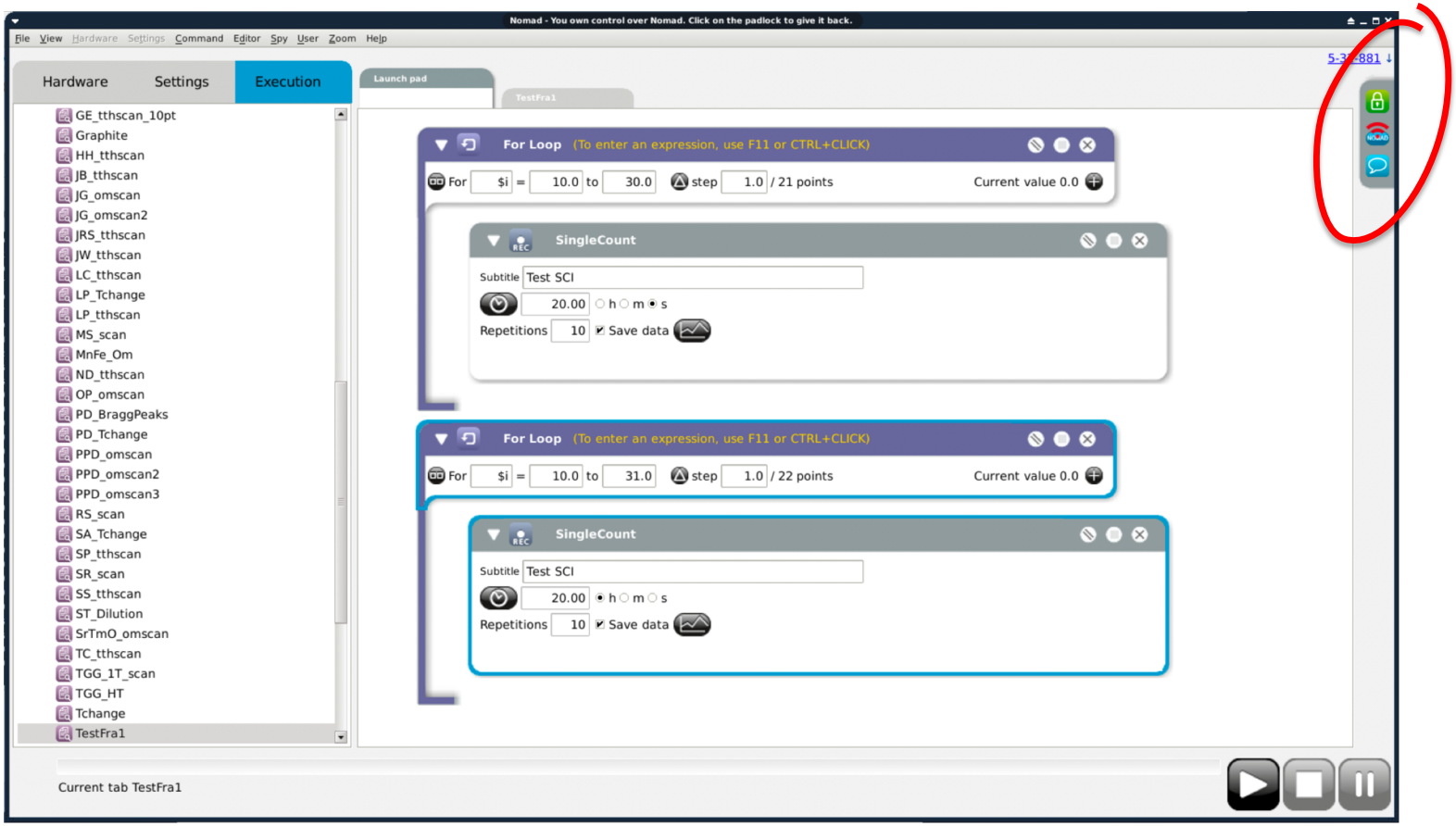
MAIN

User can change the proposal if he has the token and no command is running.
When changing the proposal, simulated servers are stopped, etc…
Remote client is notified and disconnected

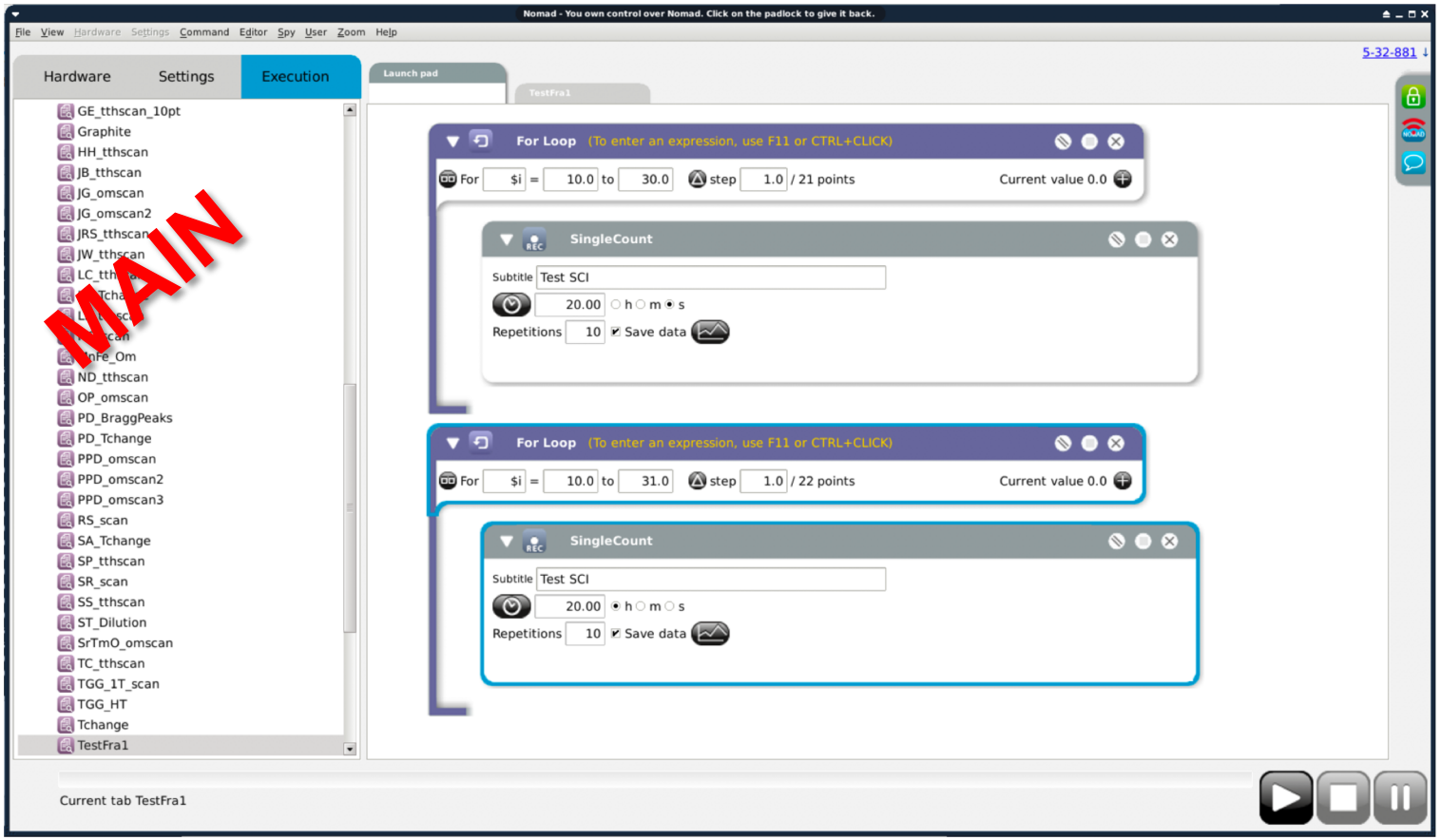
REMOTE

User cannot change the proposal

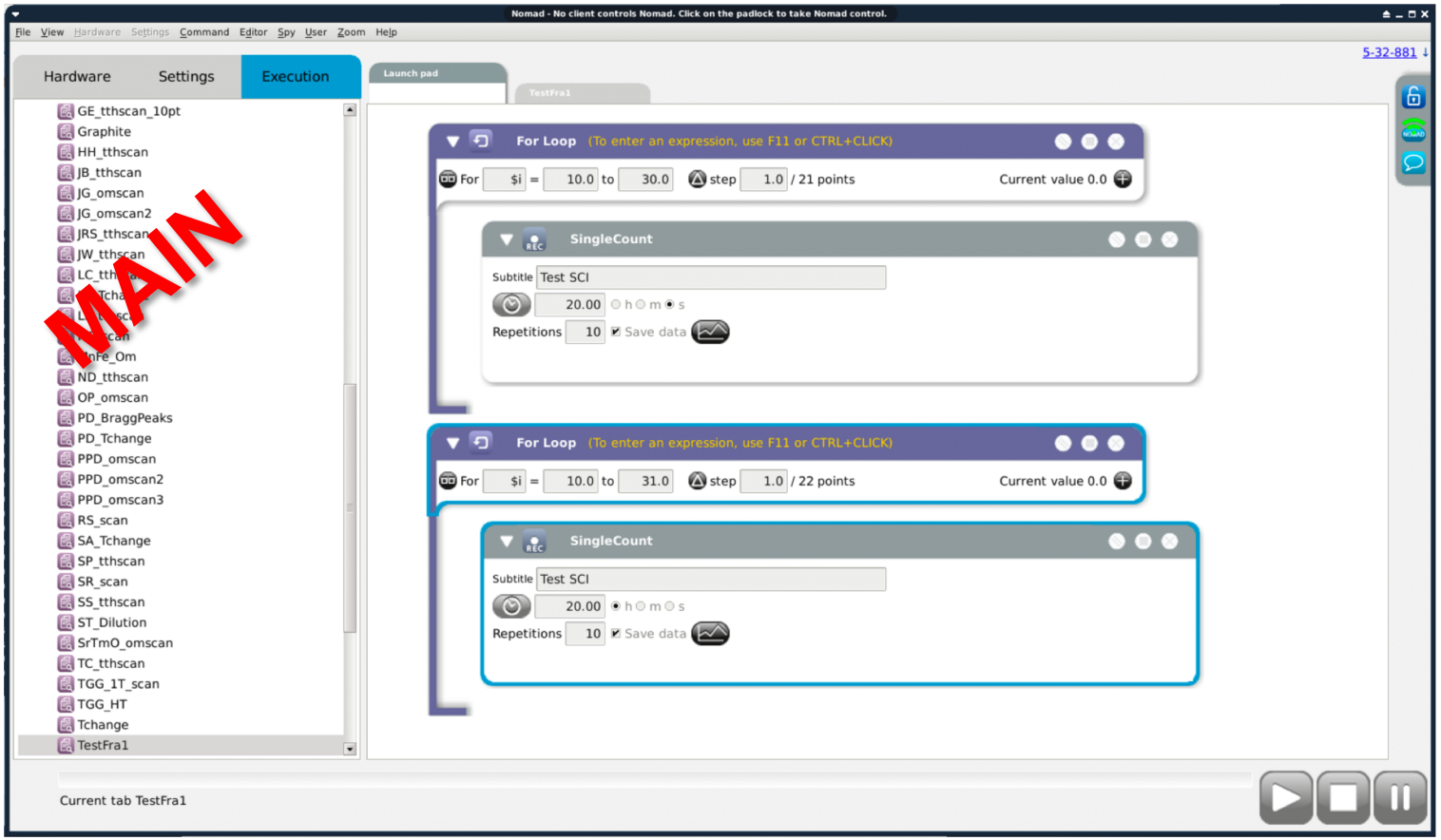
New On The Interface



Read-Only VS Read Write



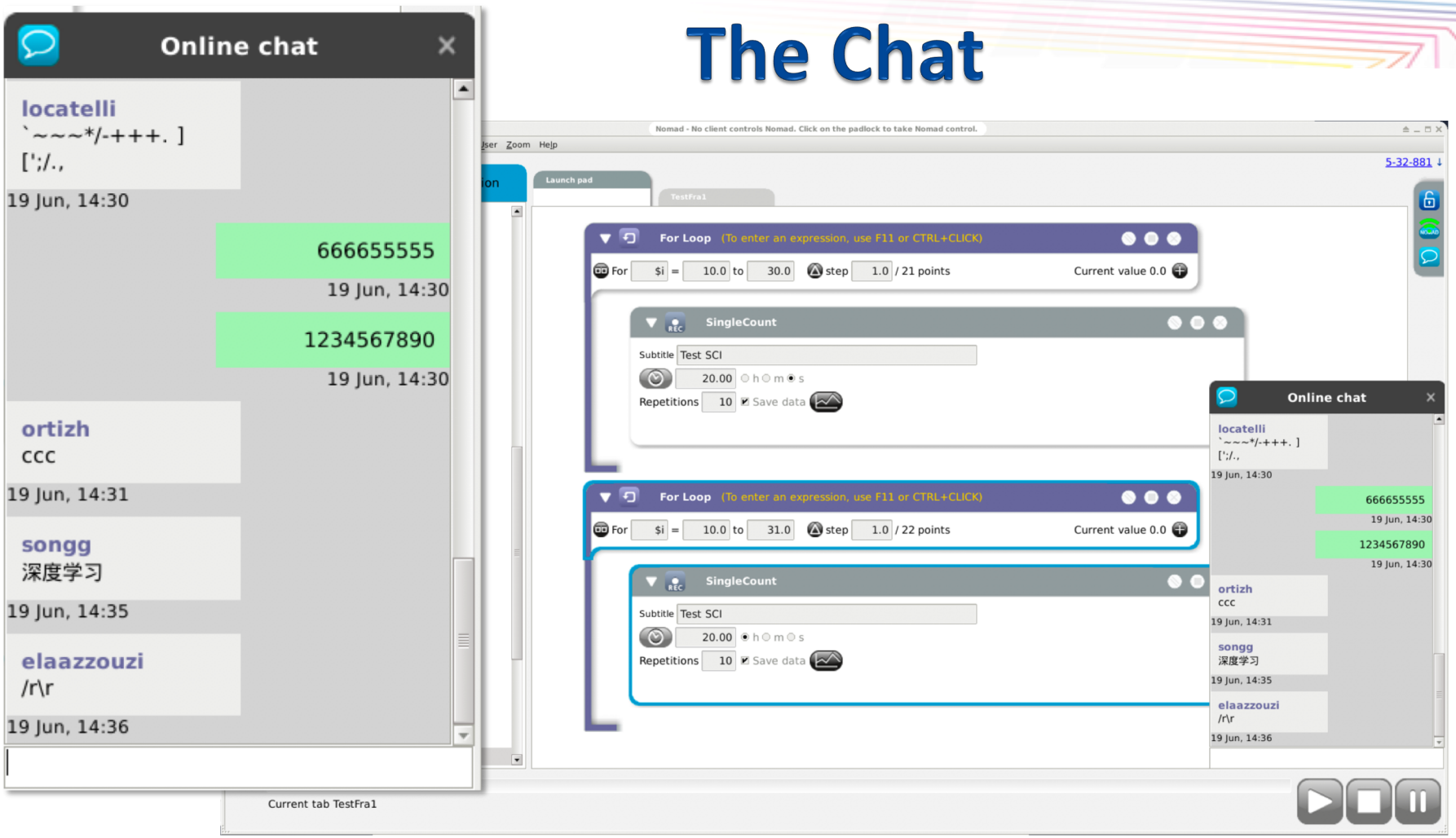
Read-Only VS Read Write



Token Strategy

- Only one client has the right to modify the server at a time
- The token has 3 states: owned, free, taken
- The token can be released:
  - Manually: the user releases the token
  - Automatically: after a timeout
  - When a client is starting, it acquires automatically the token if it is free
- Acquiring the token depends on the type of client:
  - Main: at any time, it will acquire the token even if it is already owned by another client
  - Remote: can acquire the token if it is not already owned

The Chat


Online chat
locatelli
`~~~*/-+++.]
[';/.,
19 Jun, 14:30
666655555
19 Jun, 14:30
1234567890
19 Jun, 14:30
ortizh
ccc
19 Jun, 14:31
songg
深度学习
19 Jun, 14:35
elaazzouzi
/r\r
19 Jun, 14:36
Current tab TestFra1
Nomad - No client controls Nomad. Click on the padlock to take Nomad control.
Launch pad
TestFra1
For Loop (To enter an expression, use F11 or CTRL+CLICK)
For $i = 10.0 to 30.0 step 1.0 / 21 points Current value 0.0
SingleCount
Subtitle Test SCI
20.00 h m s
Repetitions 10 Save data
For Loop (To enter an expression, use F11 or CTRL+CLICK)
For $i = 10.0 to 31.0 step 1.0 / 22 points Current value 0.0
SingleCount
Subtitle Test SCI
20.00 h m s
Repetitions 10 Save data
Online chat
locatelli
`~~~*/-+++.]
[';/.,
19 Jun, 14:30
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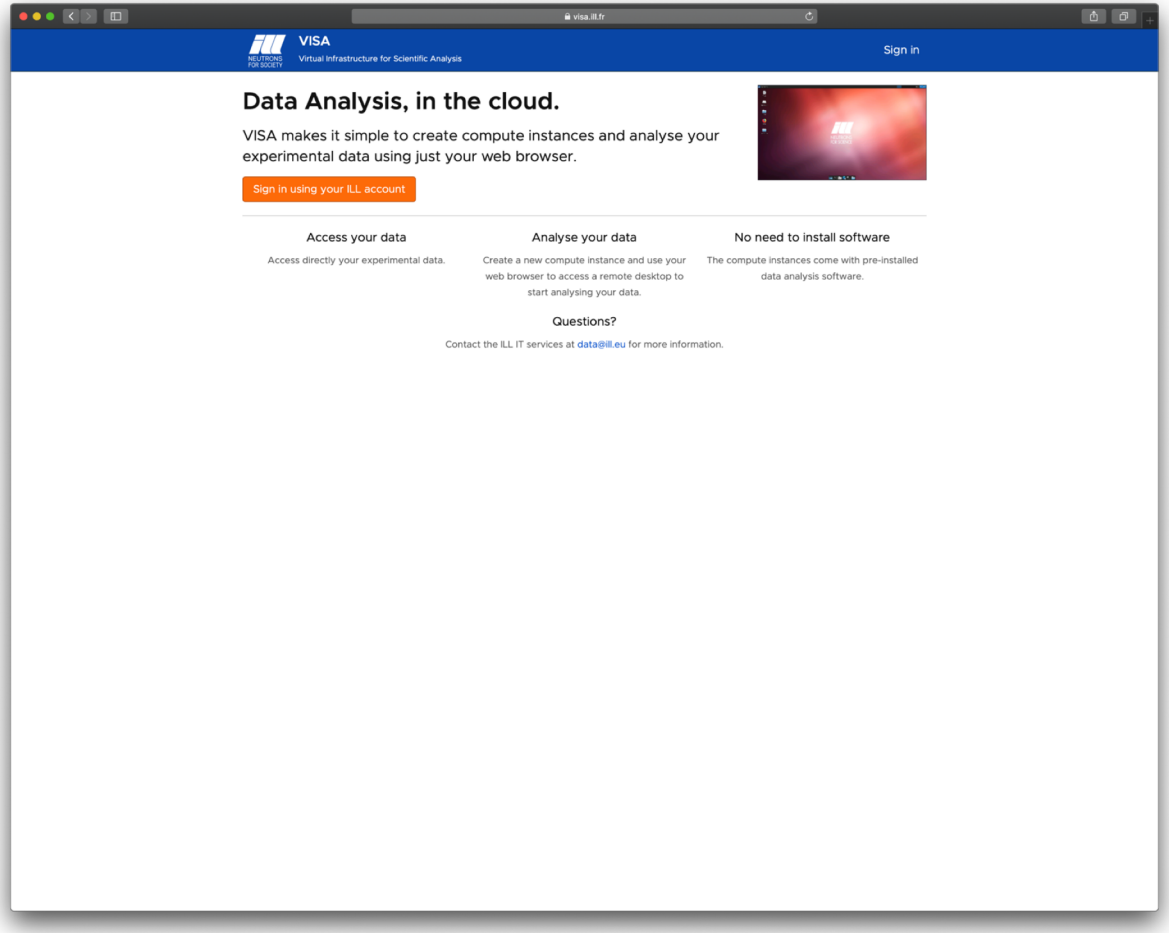
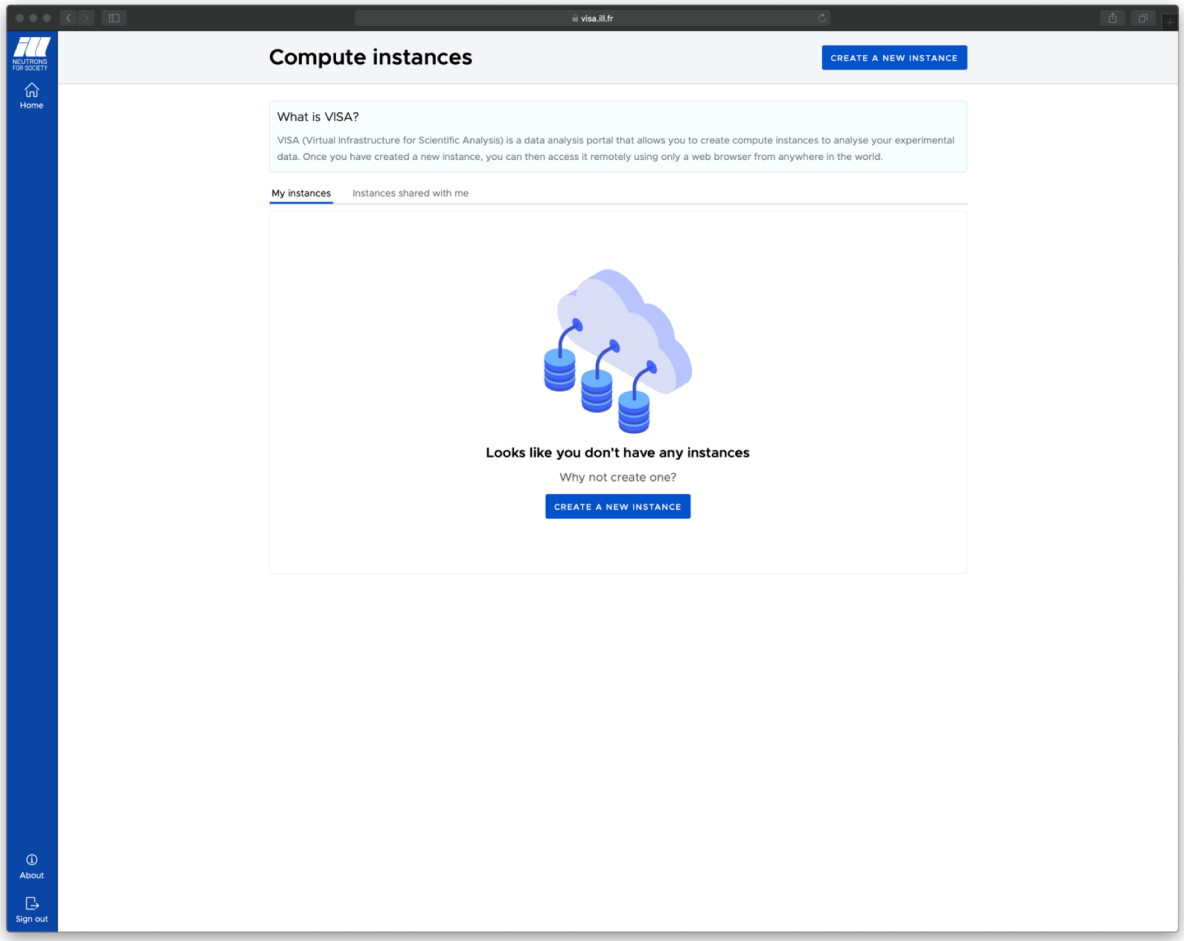
ortizh
ccc
19 Jun, 14:31
songg
深度学习
19 Jun, 14:35
elaazzouzi
/r\r
19 Jun, 14:36

Network Infrastructure

visa.ill.fr

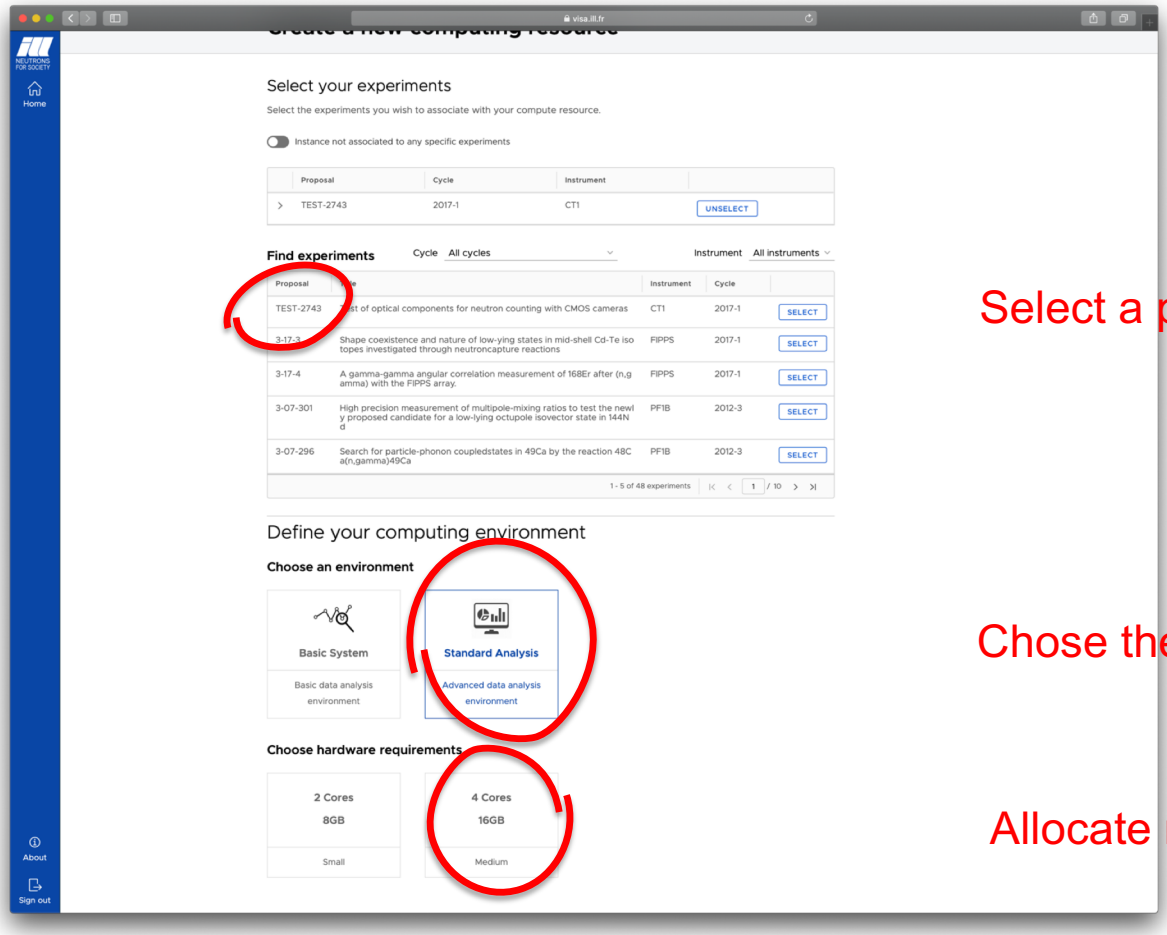


Create Your VM



VM are destroyed after 15 days
or
after 4 days of inactivity

Create Your VM

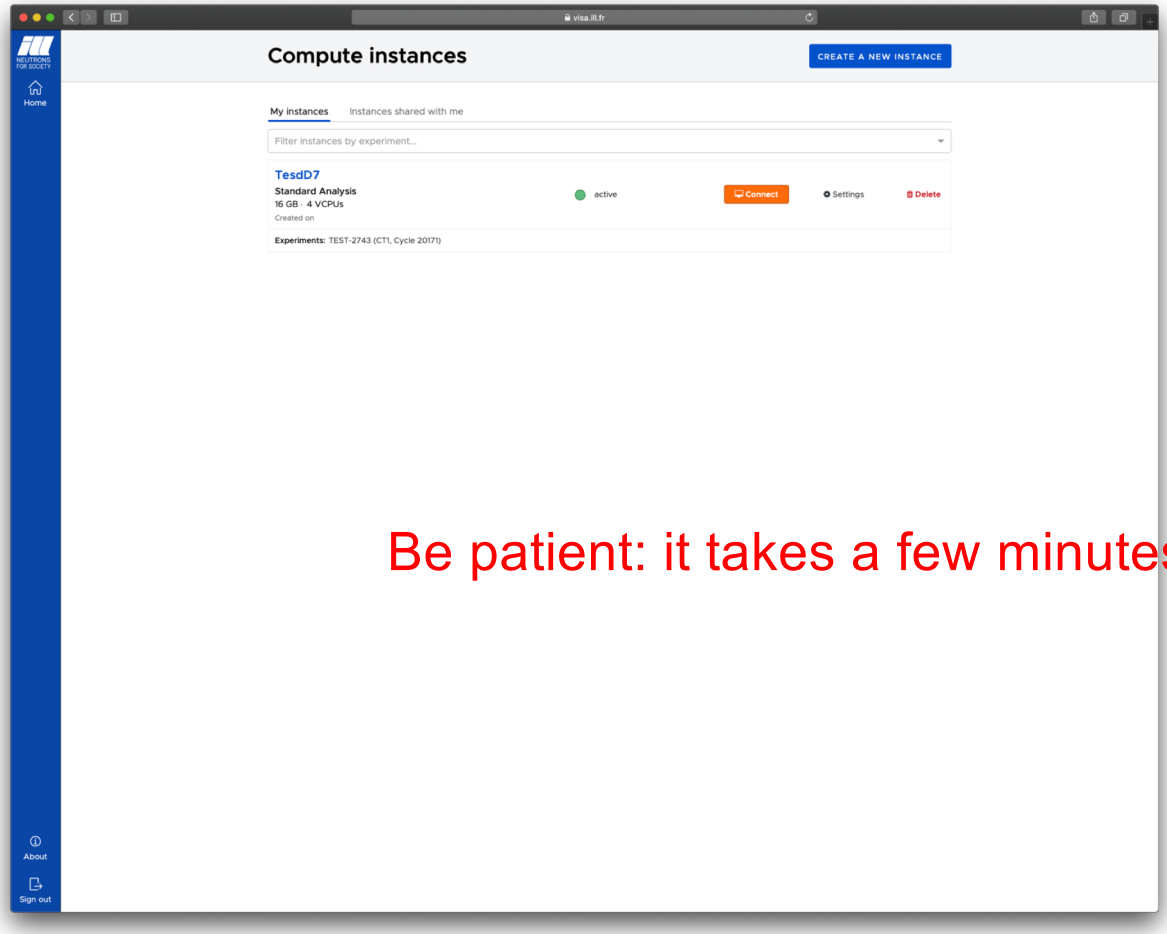


Select a proposal

Chose the type of VM

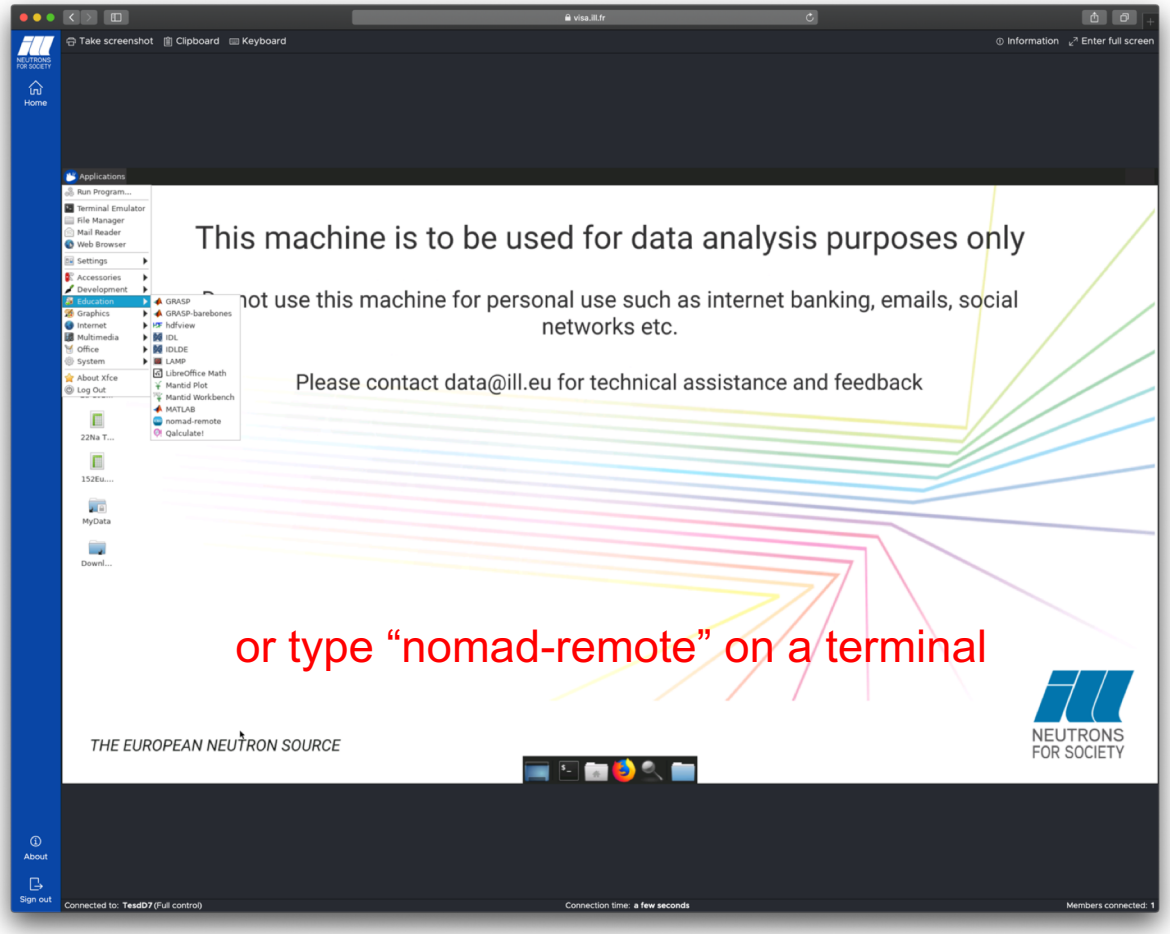
Allocate resources to the VM

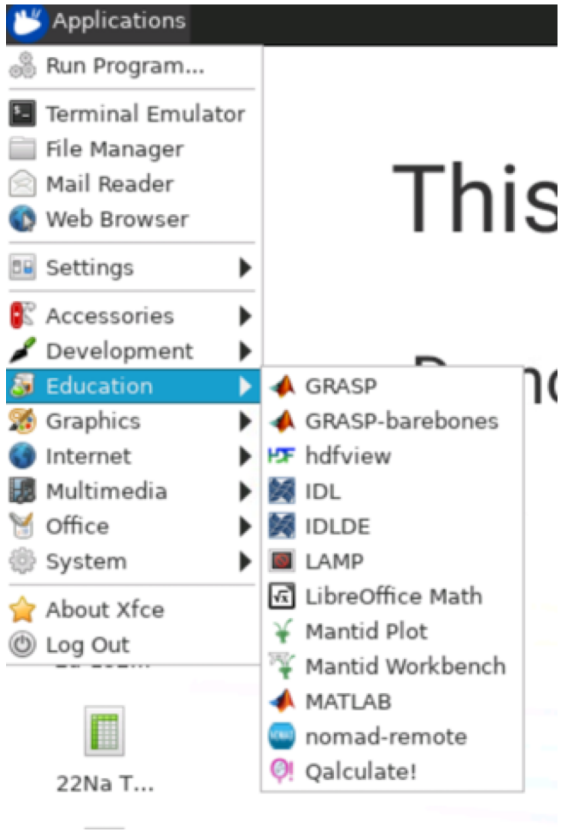
Create Your VM



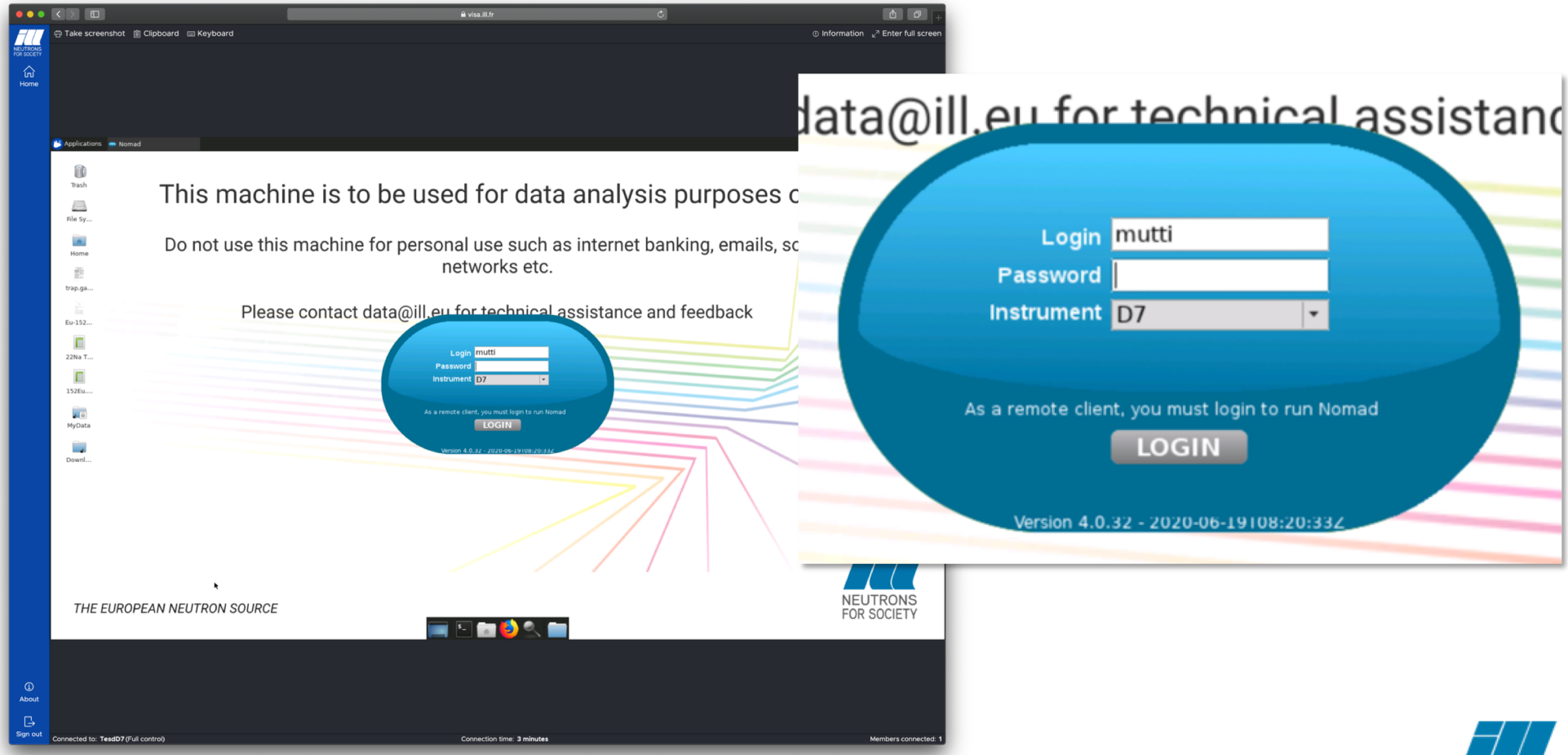
Be patient: it takes a few minutes to create your VM!

Start NOMAD GUI

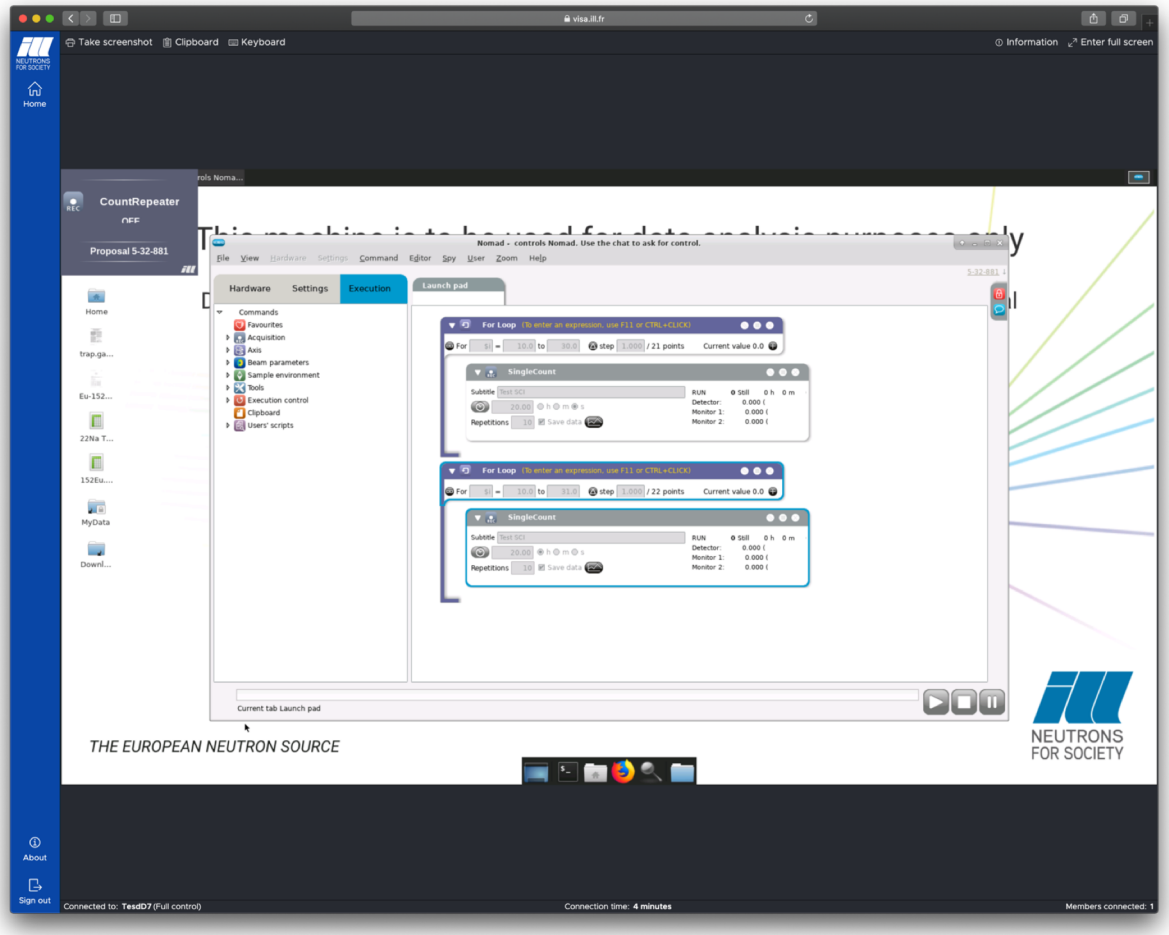




LOGIN


visa.ill.fr
Take screenshot
Clipboard
Keyboard
Information
Enter full screen
Home
Applications
Nomad
This machine is to be used for data analysis purposes c
Do not use this machine for personal use such as internet banking, emails, sc
networks etc.
Please contact data@ill.eu for technical assistance and feedback
Login mutti
Password
Instrument D7
As a remote client, you must login to run Nomad
LOGIN
Version 4.0.32 - 2020-06-19108:20:332
THE EUROPEAN NEUTRON SOURCE
NEUTRONS FOR SOCIETY
About
Sign out
Connected to: TesdD7 (Full control)
Connection time: 3 minutes
Members connected: 1
data@ill.eu for technical assistanc
Login mutti
Password
Instrument D7
As a remote client, you must login to run Nomad
LOGIN
Version 4.0.32 - 2020-06-19108:20:332

NOMAD REMOTE



Start driving your experiment remotely…

NOMAD REMOTE

Clients are fully independent therefore you can:

- Customize your spies
- Open/close any type of plot
- Create user's workflows which are then visible and usable by any other client
- Access the log viewer and the parameter survey
- Run simulations

NOMAD REMOTE

- **VNC** will disappear:
  - Insecure
  - Untraceable
  - Consumes a lot of resources

- **NomadRAC** will provide the possibility to activate de remote modality
  - Only available for instrument responsible