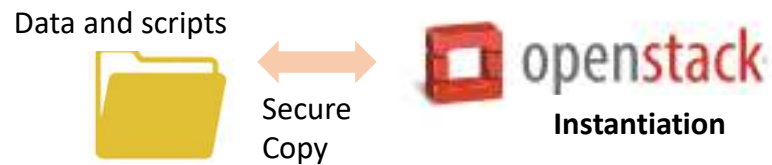


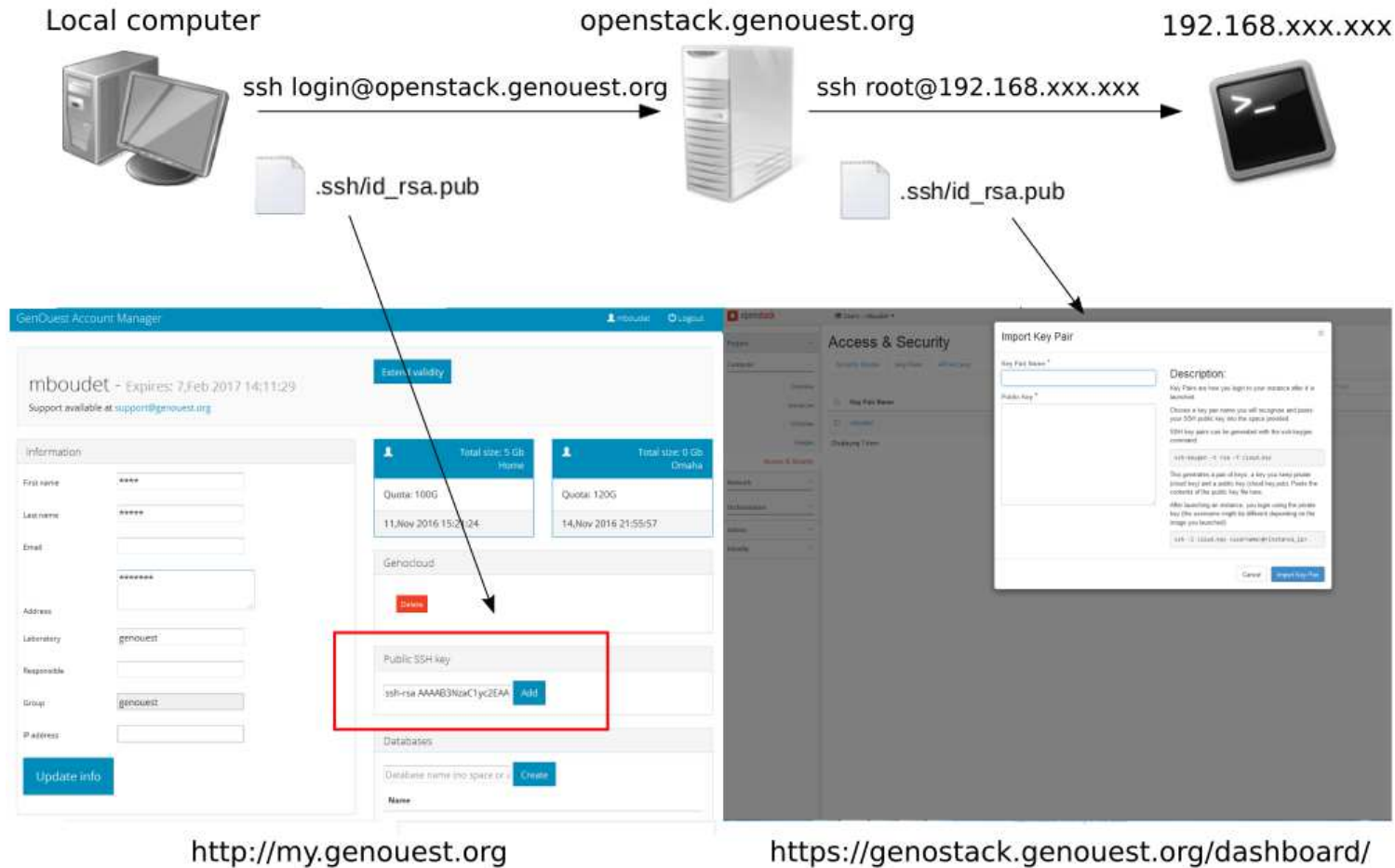
How to copy data, scripts and notebooks
to the *shared folder* of the Jupyterhub server
in a secure way (SCP)
using PuTTY and WinSCP.



PuTTY



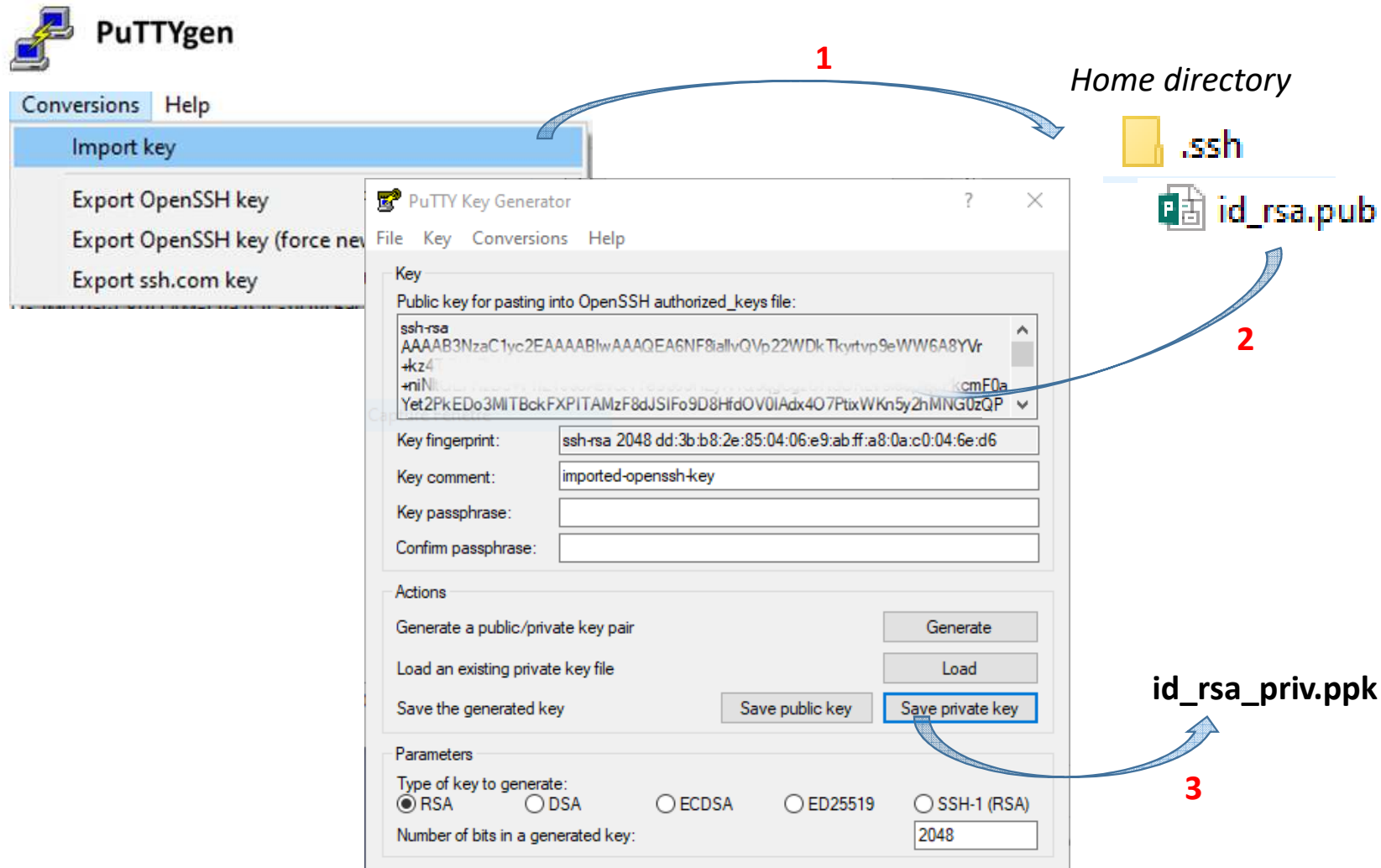
First, configure your SSH Keys



See <https://www.genouest.org/outils/genostack/ssh-config.html>
<https://support.automaticsync.com/hc/en-us/articles/202357115-Generating-an-SSH-Key-on-Windows>

Then

Create a private key file from your ssh id_rsa key



Generate a private key file for genostack



PuTTY Key Generator

File Key Conversions Help

Key

Public key for pasting into OpenSSH authorized_keys file:

```
yUecp4pzCGkivAlhyfHilFR61RGL  
+GPXQ2MWZWFYbAGyiYJnAmCP3NOTd0jMZEhDkbUvvhMmBYSdETk1rRgm  
+R4LOzFUGaHqHDLKLX  
+FIPKcF96hrucXzcWyLbEgE98OHlnVYCzRdK8lqm8tehUc9c9WhQ== imported-  
openssh-key
```

Key fingerprint: ssh-rsa 2048 dd:3b:b8:2e:85:04:06:e9:ab:ff:a8:0a:c0:04:6e:d6

Key comment: imported-openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair **1** **Generate**

Load an existing private key file **Load**

Save the generated key **Save public key** **Save private key**

Parameters

Type of key to generate:

☒ RSA ☐ DSA ☐ ECDSA ☐ ED25519 ☐ SSH-1 (RSA)

Number of bits in a generated key: 2048



Genostack

Free Academic Cloud Ressource for Bioinformatics

Project

API Access

Compute

Overview

Instances

Images

Key Pairs

Server Groups

Key Pairs

Click here for filters or full text search.

+ Create Key Pair + Import Public Key

Import Public Key

Key Pair Name * genostack

Key Type * SSH Key

Load Public Key from a file

Choisir un fichier Aucun fichier choisi

Public Key * (Modified) Content size: 380 bytes of 16.00 KB

```
ssh-rsa  
AAAAB3NzaC1vc2FAAAABlwAAAE6NF8iallvQVp22WDkTkrtvp9eWW6A8YVr+kz4TjGYe7qHzlw+niNtGEFHzD  
+v1I2Y...  
HfdOV0!  
Td0jMZEhDkbUvvhMmBYSdETk1rRgm+R4LOzFUGaHqHDLKLX+FIPKcF96hrucXzcWyLbEgE98OHlnVYCzRdK8l  
lqm8tehUc9c9WhQ==
```

Cancel Import Public Key

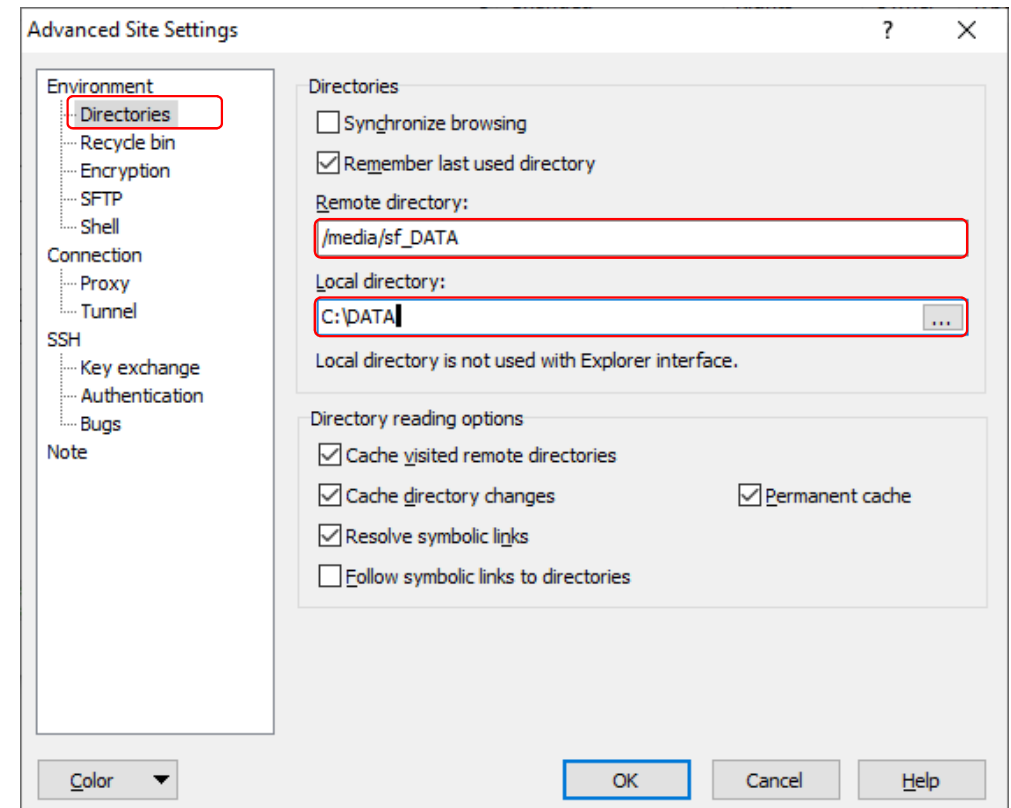
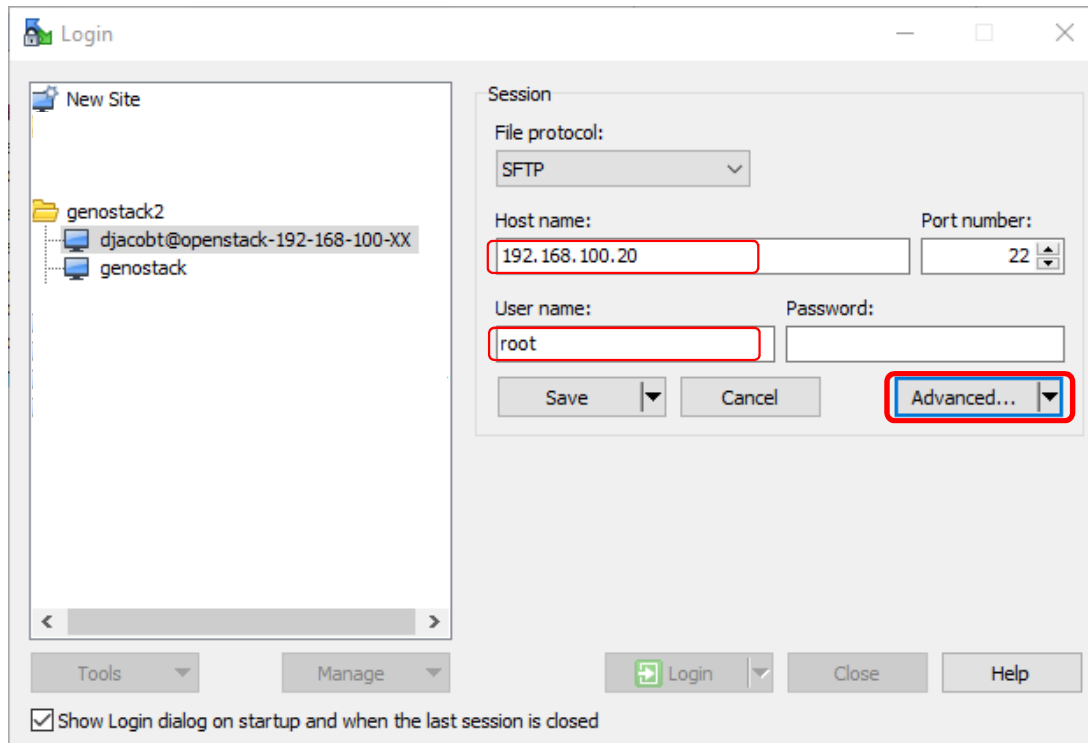
3
copy-paste

2
genostack.ppk



SFTP connection on your VM via the proxy “openstack.genouest.org”

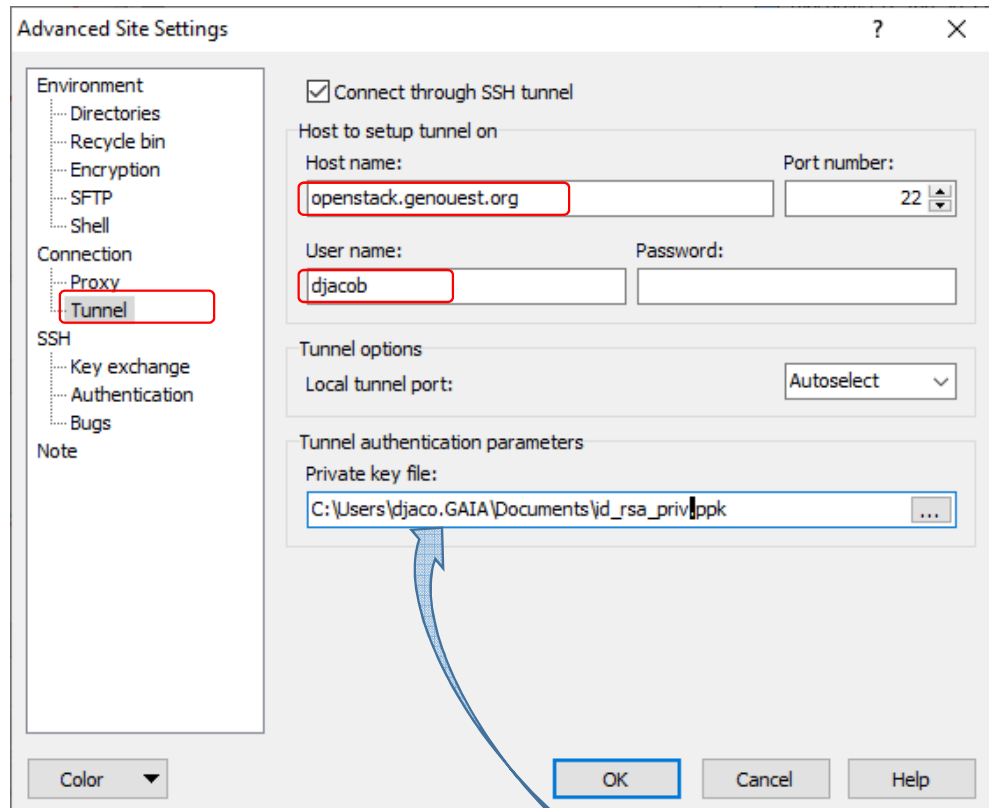
1/5



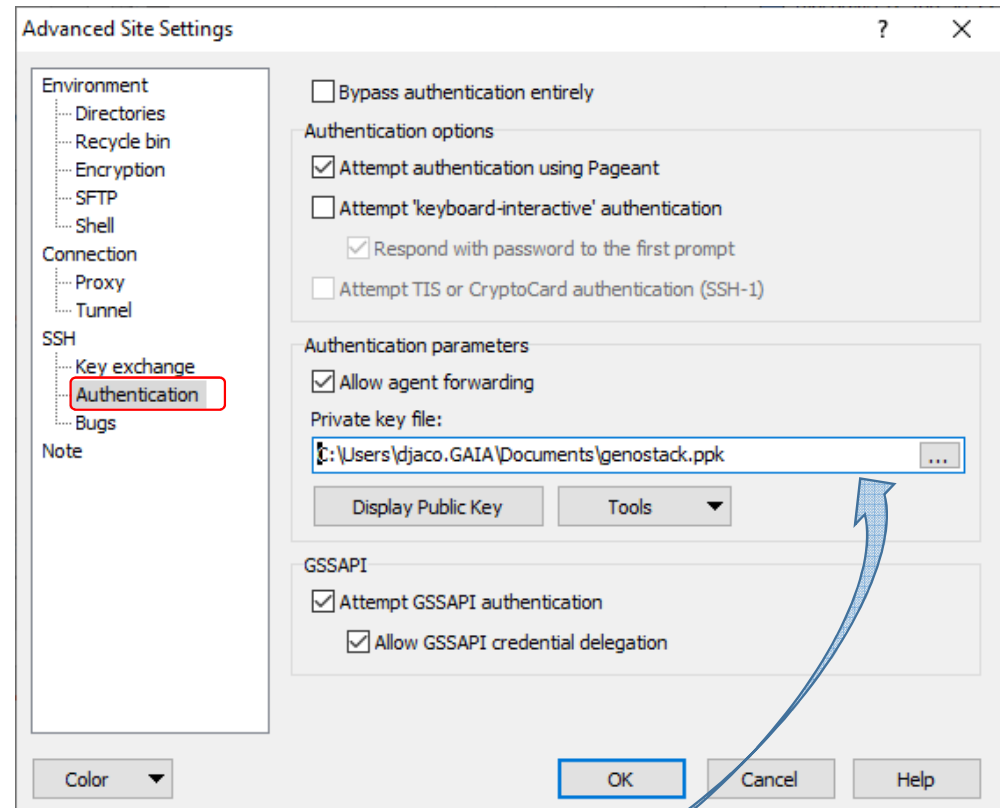


SFTP connection on your VM via the proxy “openstack.genouest.org”

2/5



id_rsa_priv.ppk
Your genouest private key

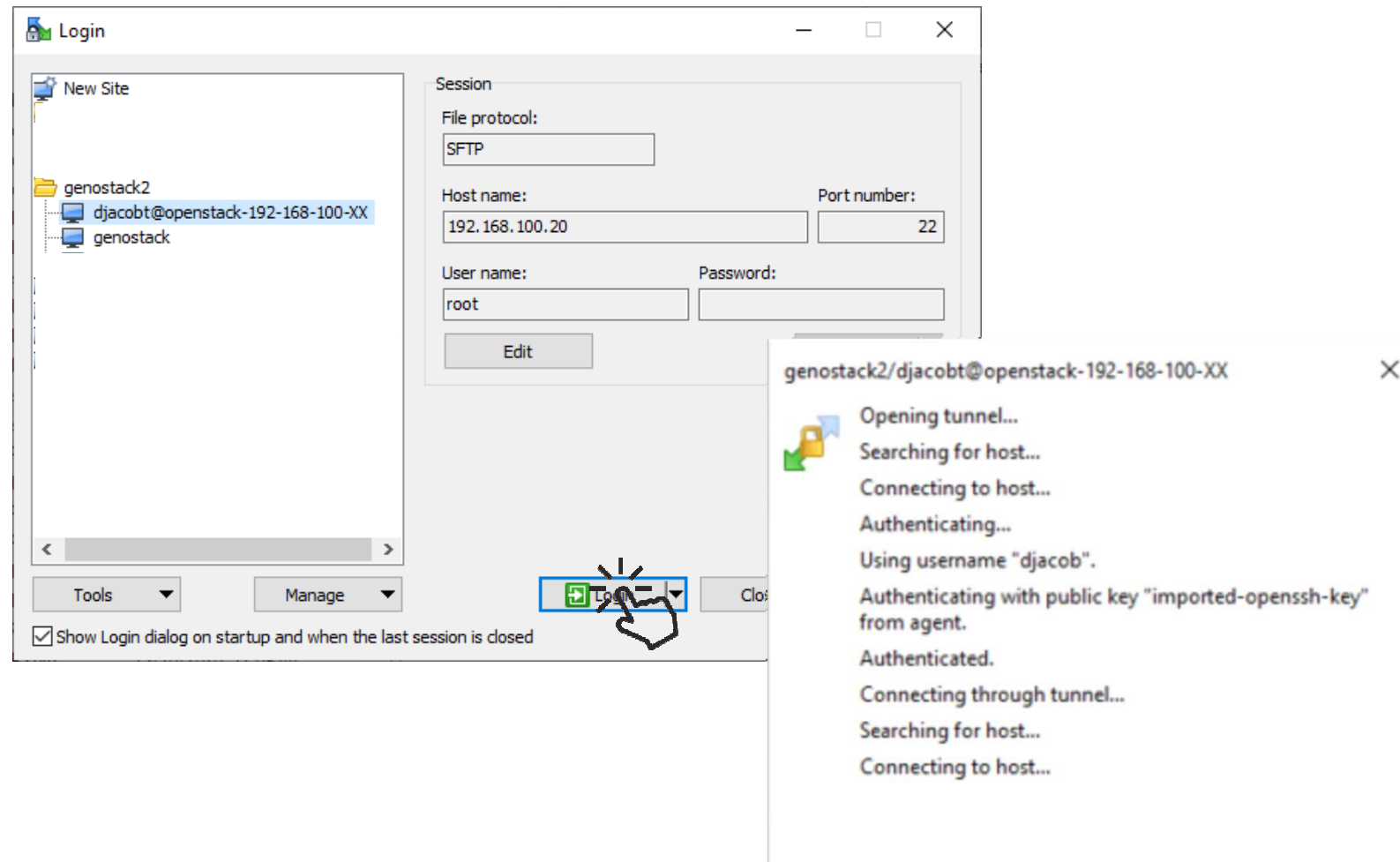


genostack.ppk
Your genostack private key



SFTP connection on your VM via the proxy “openstack.genouest.org”

3/5





SFTP connection on your VM via the proxy “openstack.genouest.org”

4/5

sf_DATA - genostack2/djacobt@openstack-192-168-100-XX - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

genostack2/djacobt@openstack-192-168-100-XX X New Session

C:\OS

sf_DATA Find Files

Upload Edit Properties New Download Edit Properties New

C:\Workdir\Projects\dataexplorer\Jupyter\

Name	Size	Type	Changed
test.html	3 371 KB	Chrome HTML Do...	14/11/2019 13:40:44
Rodam_api_graphics.ipynb	3 308 KB	Fichier IPYNB	02/12/2019 16:35:09
Rodam_Drake_MBPCA.ipynb	1 149 KB	Fichier IPYNB	28/04/2020 15:32:09
PyPlotly_iplot.ipynb	458 KB	Fichier IPYNB	02/10/2019 16:11:44
PyODAM_api_demo.slides.html	333 KB	Chrome HTML Do...	11/10/2019 12:23:46
PyODAM_api_PCA.slides.html	304 KB	Chrome HTML Do...	11/10/2019 16:28:55
nmr_deconv.R.pdf	225 KB	Fichier PDF	14/11/2019 15:38:08
Rodam_api_demo.ipynb	207 KB	Fichier IPYNB	07/09/2021 11:27:01
R_Jupyter_Install.pdf	192 KB	Fichier PDF	25/11/2019 09:41:58
R_plotly_tests.pdf	103 KB	Fichier PDF	18/10/2019 07:00:19
PyODAM_api_PCA.ipynb	48 KB	Fichier IPYNB	24/07/2020 14:55:11
PyODAM_api_demo.ipynb	24 KB	Fichier IPYNB	07/09/2021 11:19:03
.Rhistory	23 KB	Fichier	
Untitled1.ipynb	7 KB	Fichier	
Untitled2.ipynb	4 KB	Fichier	
PyODAM.py	4 KB	Fichier	
Untitled2.ipynb	3 KB	Fichier	
rpy2_tests.ipynb	3 KB	Fichier	
Rodam_Drake_MBPCA.R	3 KB	Fichier	
datapackage_tests.py	3 KB	Fichier PY	13/09/2021 10:00:24
PyODAM_pca.py	3 KB	Fichier PY	09/04/2020 16:55:36
datapackage_from_dataverse.R	2 KB	Fichier R	04/06/2020 19:43:00
PyODAM_api_demo.py	2 KB	Fichier PY	18/05/2020 11:22:14
ODAM-framework-blue.svg	1 KB	Chrome HTML Do...	24/10/2019 15:03:56
Rodam_MBPCA.md	1 KB	Markdown Docu...	09/10/2019 10:48:03

0 B of 57.1 MB in 0 of 31

/media/sf_DATA/

Name	Size	Changed	Rights	Owner	Type
Rodam_api_demo.ipynb	207 KB	07/09/2021 11:27:01	rw-r--r--	root	Dossier c
PyODAM_api_demo.ipynb	24 KB	07/09/2021 11:19:03	rw-r--r--	root	Fichier IP
PyODAM.py	4 KB	26/07/2021 17:09:55	rw-r--r--	root	Fichier P
PyODAM_api_PCA.ipynb	48 KB	24/07/2020 14:55:11	rw-r--r--	root	Fichier IP
PyODAM_pca.py	3 KB	09/04/2020 16:55:36	rw-r--r--	root	Fichier P
Rodam_api_graphics.ipynb	3 308 KB	02/12/2019 16:35:09	rw-r--r--	root	Fichier IP

0 B of 3.50 MB in 0 of 6

SFTP-3 0:01:08

Data and scripts

Secure Copy

openstack Instantiation



Genostack

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5/5

shared_data/ x +

https://app-192-168-100-20.vm.openstack.genouest.org/user/admin/tree/shared_data

jupyterhub

Se déconnecter Control Panel

Fichiers Actifs Grappes Nbextensions

Sélectionner des éléments pour leur appliquer des actions.

Téléverser Nouveau ↕

<input type="checkbox"/> 0	shared_data	Nom ↓	Dernière modification	File size
	...		seconds ago	
<input type="checkbox"/>	PyODAM_api_demo.ipynb		2 days ago	24.3 kB
<input type="checkbox"/>	PyODAM_api_PCA.ipynb		a year ago	48.6 kB
<input type="checkbox"/>	Rodam_api_demo.ipynb		2 days ago	211 kB
<input type="checkbox"/>	Rodam_api_graphics.ipynb		2 years ago	3.39 MB
<input type="checkbox"/>	PyODAM.py		a month ago	3.15 kB
<input type="checkbox"/>	PyODAM_pca.py		a year ago	2.28 kB

Download PuTTY: latest release

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

Download WinSCP

<https://winscp.net/eng/download.php>