

How to run VM in MetaCentrum cloud and set access from Windows using Putty

https://wiki.metacentrum.cz/wiki/MetaCloud_testbed_registration

https://wiki.metacentrum.cz/wiki/MetaCloud_testbed_%E2%80%93_quick_guide

1. registration to MetaCentrum cloud

- generate private SSH key
 - login to, e.g., skirit (skirit.ics.muni.cz) using SSH
 - run command 'ssh-keygen' and enter file name for the key and set passphrase to access it – this password is optional, it is not a MetaCentrum password
 - there are two new files in the folder ~/.ssh/
 - open the file with the suffix *.pub (public key), e.g., using 'less name.pub'
 - copy the entire content of the file to clipboard, i.e., select with a mouse and ctrl+A
- fill the application for the metacloud group
 - <https://perun.metacentrum.cz/fed/registrar/?vo=meta&group=metacloud>
 - login with CAS password
 - paste public key from the clipboard (ctrl+V)

2. run VM in MetaCloud

- login to <https://cloud.metacentrum.cz/> using MetaCentrum credentials
- click on the green icon with '+'
- select a desired image, e.g., CERIT-SC CentOS7
- set parameters (RAM, CPU, VCPU, disk, network)
- click on *Create*
- VM is starting and information about IP address are shown, copy public IP (starts with 147) to the clipboard

3. conversion of the private key (for using with Putty)

- copy private key from MetaCentrum to the local computer (i.e., the file without *.pub suffix)
- open puttygen.exe (downloaded from <http://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>)
- *Conversions* -> *Import key* (select file with the private key)
- click on *Save private key* and save the key in Putty format with the suffix *.ppk

4. set access with Putty

- open Putty
- under Category 'Session' paste IP address of VM to *Host Name IP* (from clipboard)
- under Category 'Connection – SSH – Auth' select *Private key* generated in the step 3
- under Category 'Connection – SSH – Auth – GSSAPI' deselect 'Attempt GSSAPI authentication'
- under Category 'Session' name this connection in 'Saved Sessions' and click on Save
- connect by clicking on Open
- for next time login just click on the name of the connection, Load and Open
- login as: root
- passphrase for key: *passphrase from the step 1*