

NDBI040: INTRODUCTION

INTRODUCTION

NOSQL SERVER

- ▶ SSH access
- ▶ nosql.ms.mff.cuni.cz:42222
- ▶ Login (`m211_string`) and password sent by e-mail
- ▶ If you haven't received any email with your login yet, send me an e-mail
 - ▶ contos@ksi.mff.cuni.cz

NOSQL SERVER ACCESS ON MACOS/LINUX

- ▶ Connect to server

- ▶ `ssh login@nosql.ms.mff.cuni.cz -p 42222`

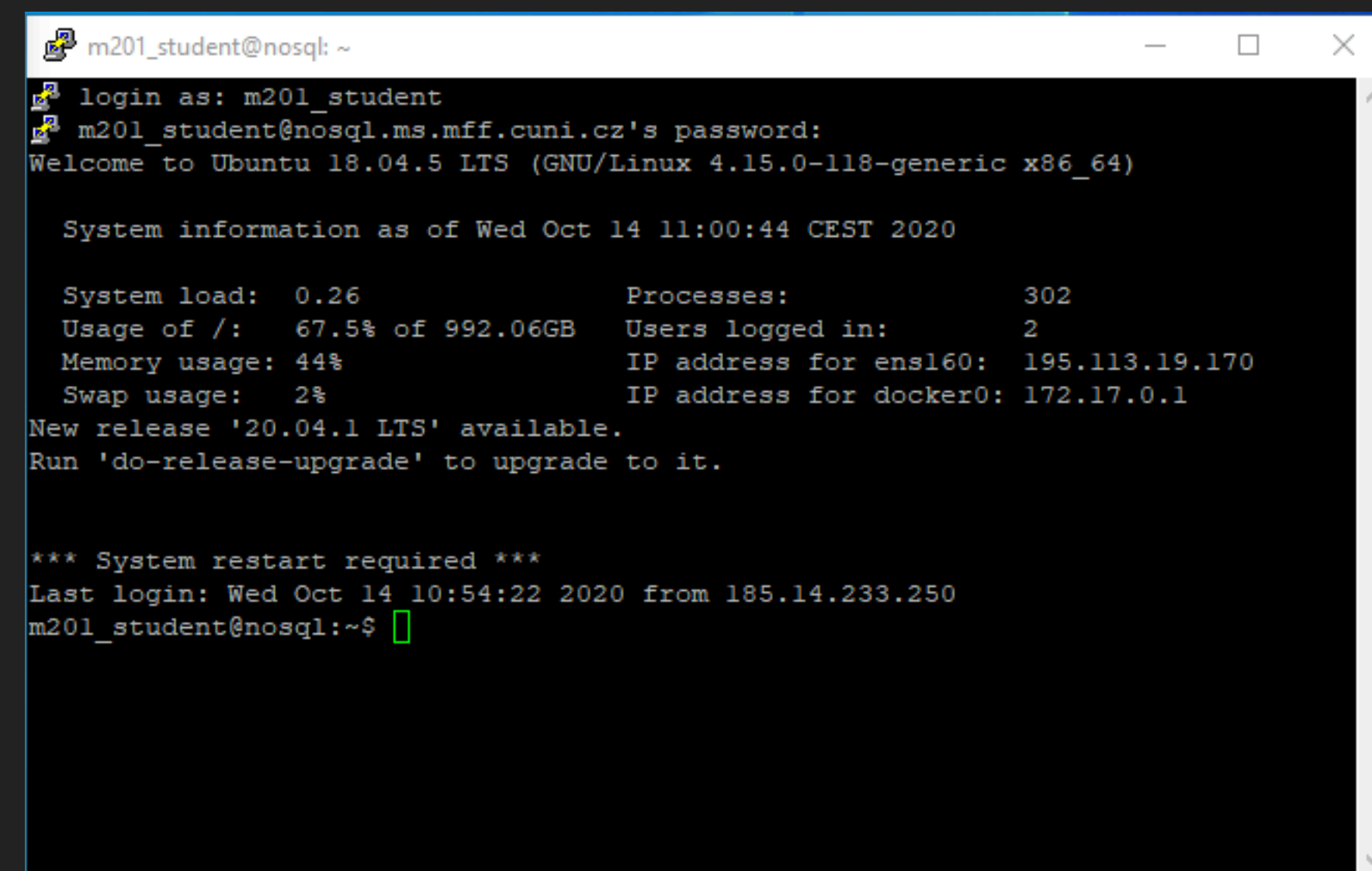
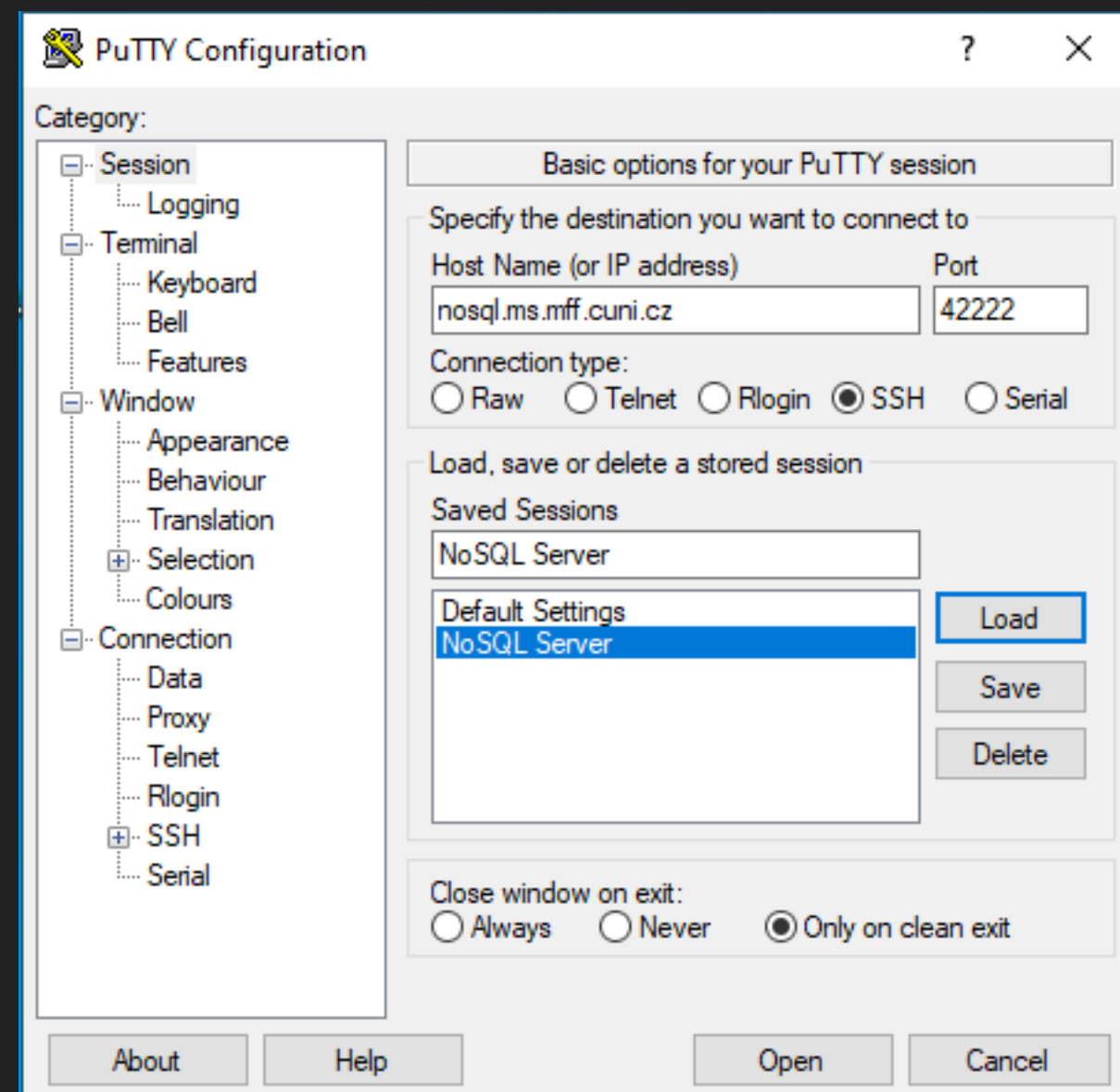
- ▶ Transfer files

- ▶ `scp -P 42222 file.txt login@nosql.ms.mff.cuni.cz:/home/login/file.txt`

- ▶ `scp -P 42222 login@nosql.ms.mff.cuni.cz:/home/login/file.txt ~/Desktop/file.txt`

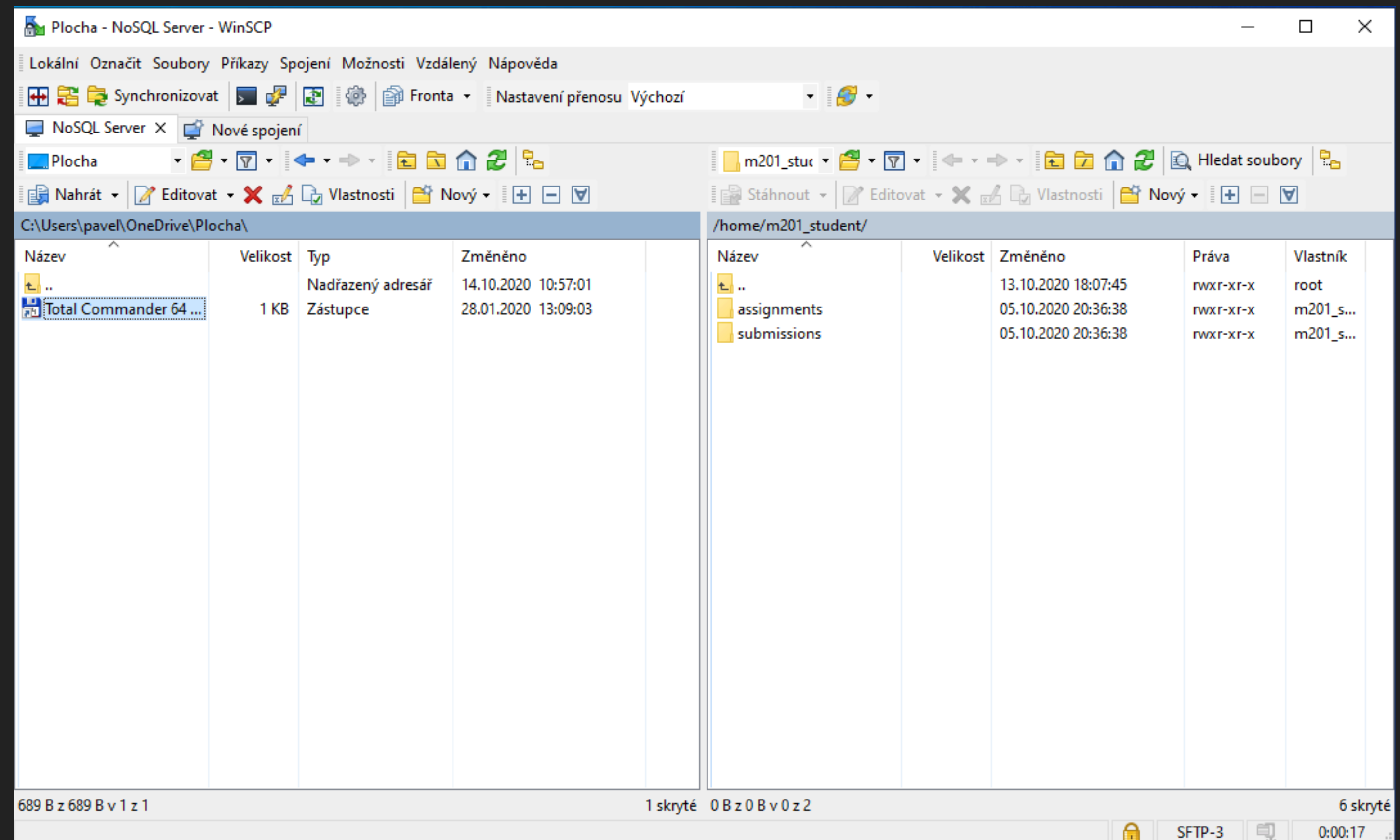
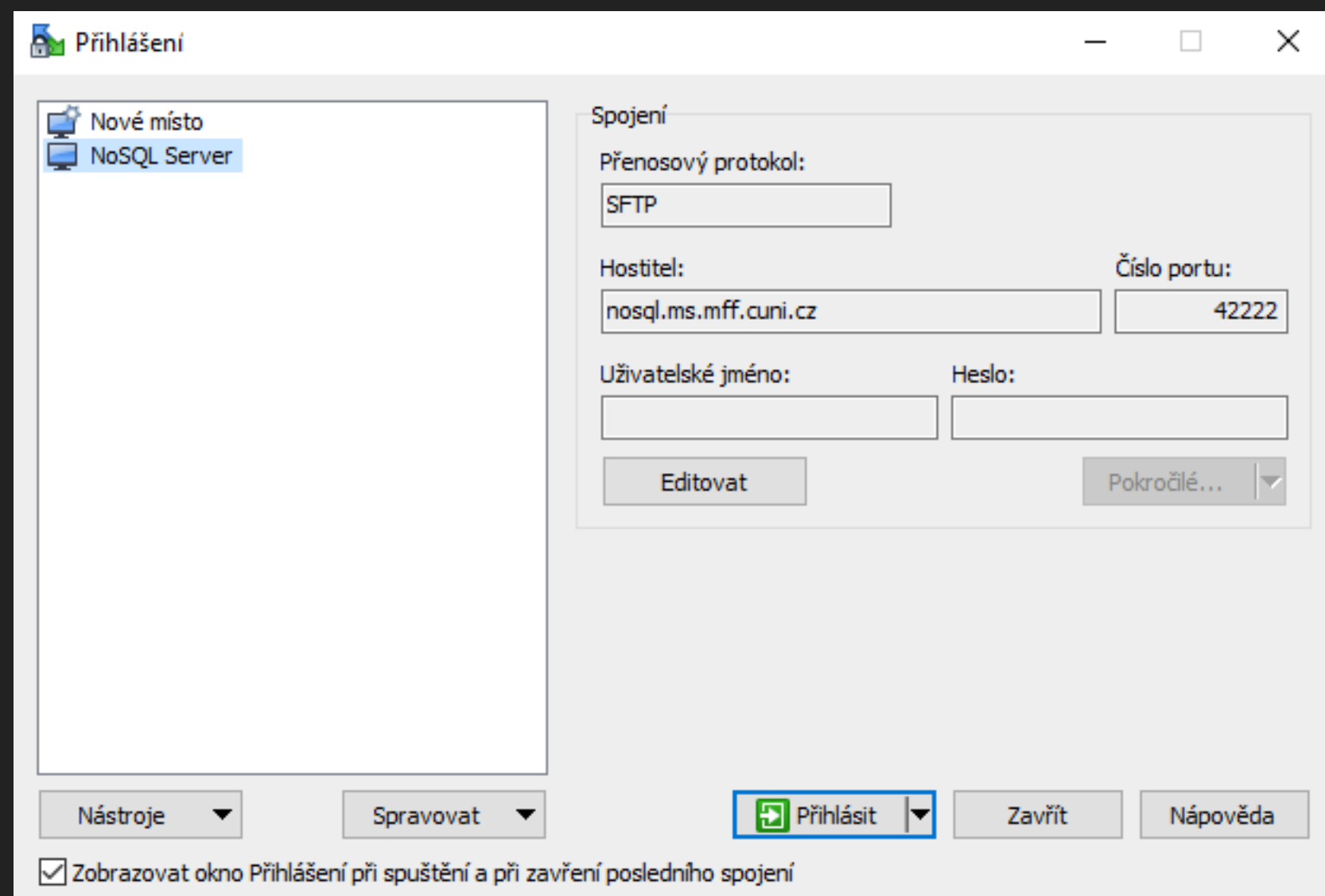
NOSQL SERVER ACCESS ON WINDOWS

- ▶ Connect to server nosql.ms.mff.cuni.cz port: 42222
- ▶ PuTTY - <http://www.chiark.greenend.org.uk/~sgtatham/putty>



NOSQL SERVER ACCESS ON WINDOWS

- ▶ Transfer files
- ▶ WinSCP - <http://winscp.net/>



FIRST STEPS

- ▶ Change your initial password
 - ▶ `passwd`

- ▶ Browse important directories
 - ▶ `/home/login/` - personal directory with your data
 - ▶ `/home/NOSQL/` - shared directory with course data

INDIVIDUAL ASSIGNMENT

- ▶ Select (multi-model) database system to do a research work
 - ▶ Each student must select distinct system
 - ▶ The selected system must be reported to and accepted by the tutor
 - ▶ Deploy the system on your computer
 - ▶ Explore supported data model(s) and theirs connection (if applicable)
 - ▶ Explore query language(s)
 - ▶ Finally, prepare a presentation summarising your observation

INDIVIDUAL ASSIGNMENT

- ▶ Presentation:
 - ▶ Briefly introduce the selected system
 - ▶ Present the structure of data model(s) and their connection (if applicable)
 - ▶ Shortly present query language and its examples
 - ▶ Discuss advantages and/or disadvantages of the selected system
- ▶ Each presentation will be limited to 10 minutes (approximately 10 pages) and additional 3 minutes of discussion

INDIVIDUAL ASSIGNMENT

- ▶ Points:
 - ▶ Based on completeness and quality: up to 15 points
 - ▶ Based on evaluation by students: up to 5 points
- ▶ Deadline:
 - ▶ Database selection - 10. 3. 2022 23:59 (AoE)
 - ▶ Submit presentation - 3. 5. 2022 23:59 (AoE)