

NIE-PDB: Advanced Database Systems

<http://www.ksi.mff.cuni.cz/~svoboda/courses/231-NIE-PDB/>

Practical Class 0

Organization

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3. 10. 2023

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NoSQL Server

NoSQL server

- SSH and SFTP access
- **nosql.kti.in.fit.cvut.cz:42222**
 - XQuery, SPARQL, MapReduce, Riak, MongoDB, Cassandra, Neo4j
 - **VPN** is required for remote connections
 - <https://help.fit.cvut.cz/vpn/en/>
- Login and password
 - Sent by e-mail at the beginning of the semester
 - Pattern for login names: `pdb231_login`

SSH Connections

Linux

- `ssh -p port login@host`
 - `exit`
- E.g.: `ssh -p 42222`
`pdb231_student@nosql.kti.in.fit.cvut.cz`

Windows

- **PuTTY**
 - <http://www.chiark.greenend.org.uk/~sgtatham/putty/>

First steps...

- **Change your initial password**
 - Special script: `password`
 - Changes your system password
 - But also passwords for all the individual databases

SFTP Connections

Linux

- `sftp -P port login@host`
 - `cd directory`
 - `ls`
 - `put local remote`
 - `get remote local`
 - `bye` or `exit`

Windows

- **WinSCP** – <http://winscp.net/>

Firsts steps...

- **Browse important directories**
 - `/home/login/` – personal directory with your data
 - `/home/PDB/` – shared directory with course data

Homework Assignments

Learn how to submit your home assignments

- `submit name`
 - Submits everything in a sub-directory with a given name
 - This `name` parameter must correspond to one of the predefined **assignment names** (e.g., `mapreduce`, ...)
- Try it by yourself...
 - `submit test`
 - Browse the contents of your `submissions` directory