

## **NIE-PDB: Advanced Database Systems**

<http://www.ksi.mff.cuni.cz/~svoboda/courses/221-NIE-PDB/>

Practical Class 0

# **Organization**

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# NoSQL Server

## NoSQL server

- SSH and SFTP access
- **10.38.6.127:42222**
  - XQuery, SPARQL, MapReduce, Riak, Cassandra, MongoDB, 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: `pdb221_login`

# SSH Connections

## Linux

- `ssh -p port login@host`
  - `exit`
- E.g.: `ssh -p 42222 pdb221_student@10.38.6.127`

## 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