

# PuTTY

## PuTTY - before we start SSH connection

### Windows PuTTY Installer

We recommend you to download “**A Windows installer for everything except PuTTYtel**” with **Pageant\*** (SSH authentication agent) and **PuTTYgen** (PuTTY key generator) which is available [here](#).

After installation you can proceed directly to private keys authentication using “Putty”. “Change Password for Existing Private Key” is optional. “Generate a New Public/Private key (`id_rsa/id_rsa.ppk`): 600 (`-rw-----`) pair” is intended for users without Public/Private key (`id_rsa/id_rsa.ppk`): 600 (`-rw-----`) in the initial email containing login credentials. “Pageant” is optional.

### PuTTYgen

PuTTYgen is the PuTTY key generator. Read more how to load in an existing private key and change your passphrase or generate a new public/private key pair using PuTTYgen if needed.

### Pageant SSH agent

Pageant holds your private key in memory without needing to retype a passphrase on every login. We recommend its usage.

## PuTTY - how to connect to the IT4Innovations cluster

- Run PuTTY
- Enter Host name and Save session fields with Login address and browse Connection - > SSH -> Auth menu. The *Host Name* input may be in the format “**username@clustername.it4i.cz**” so you don’t have to type your login each time. In this example we will connect to the Salomon cluster using “**salomon.it4i.cz**”.
- Category -> Connection - > SSH -> Auth: Select Attempt authentication using Pageant. Select Allow agent forwarding. Browse and select your private key file.
- Return to Session page and Save selected configuration with *Save* button.

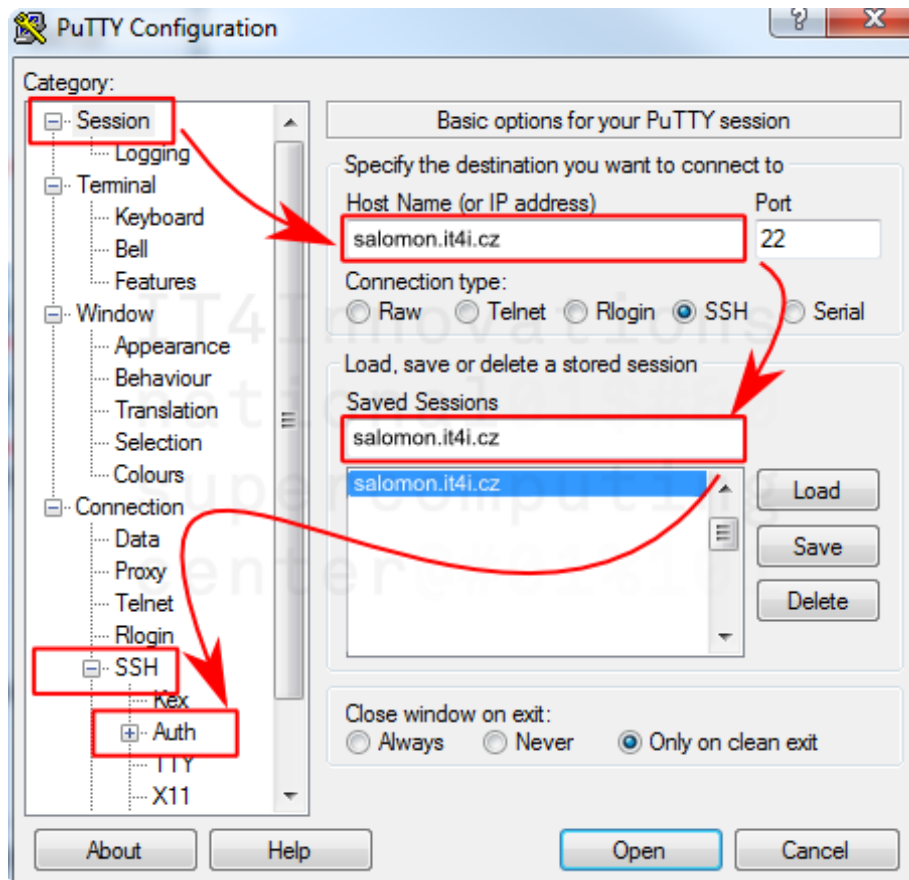


Figure 1:

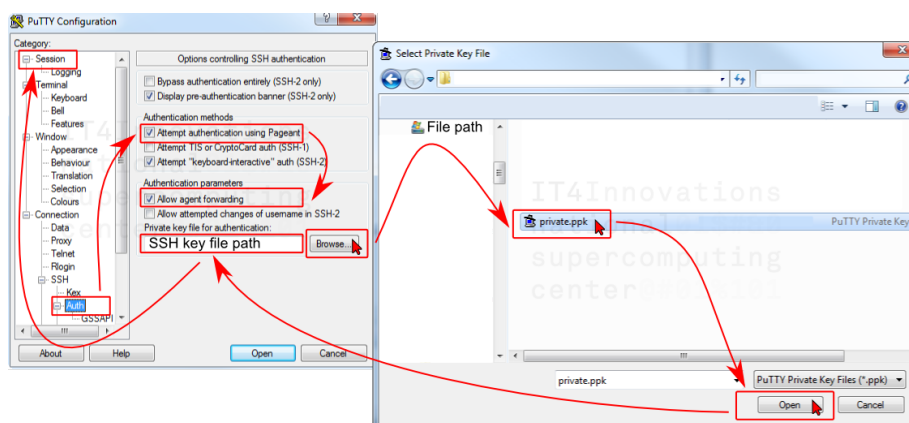


Figure 2:

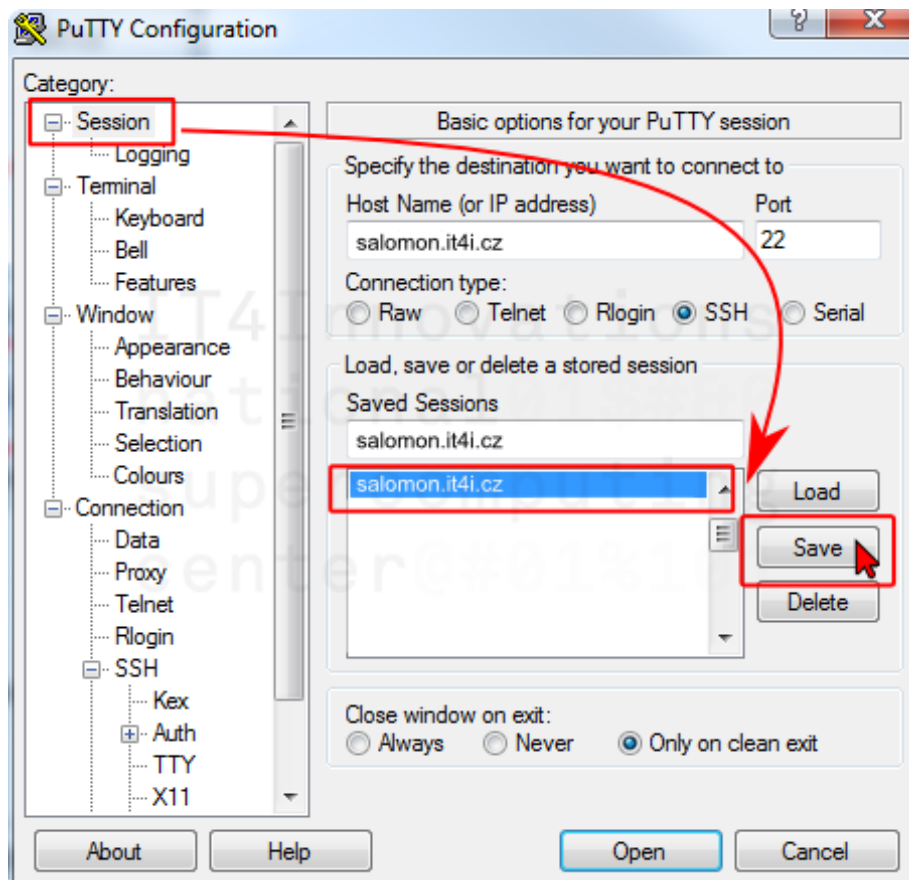


Figure 3:

- Now you can log in using *Open* button.

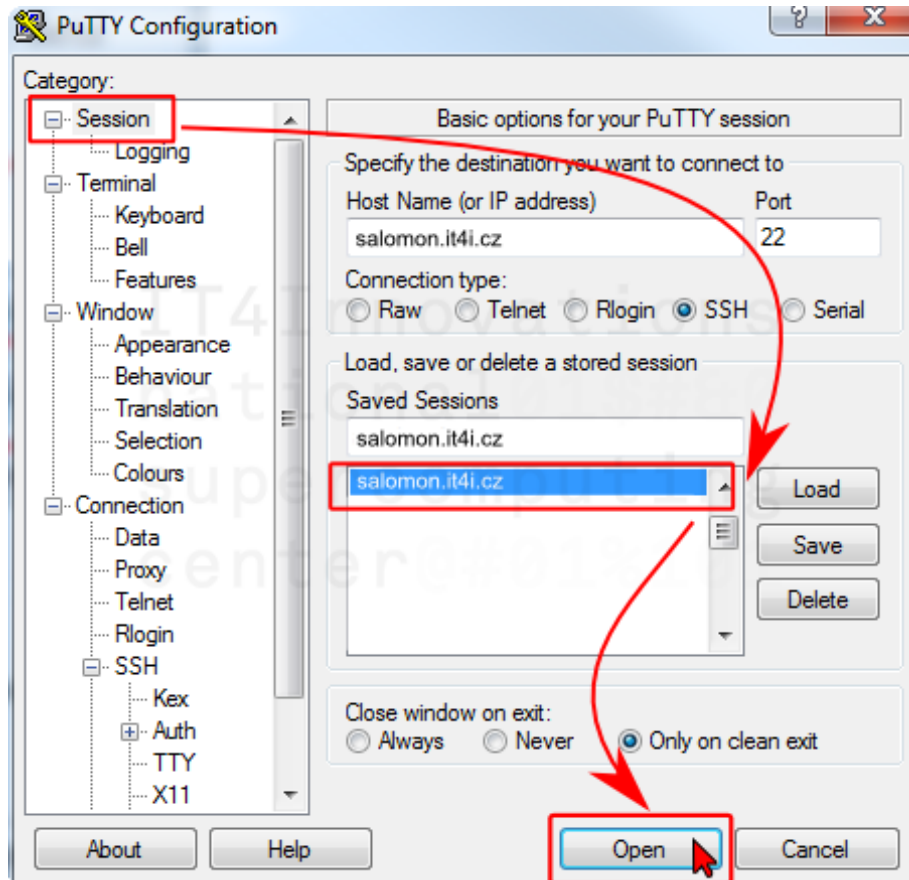


Figure 4:

- Enter your username if the *Host Name* input is not in the format “username@salomon.it4i.cz”.
- Enter passphrase for selected private key file if Pageant **SSH authentication agent is not used**.

## Another PuTTY Settings

- Category -> Windows -> Translation -> Remote character set and select **UTF-8**.
- Category -> Terminal -> Features and select **Disable application keypad mode** (enable numpad)

- Save your configuration on Session page in to Default Settings with *Save* button .