

# How to get an account on saturn

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# Prepare your environment

- GNU/Linux, Mac OS X
  - Make sure the OpenSSH client is installed
  - Open a terminal/shell
- Windows
  - Install Cygwin from <http://cygwin.com/>
  - Select the OpenSSH client during installation
  - Open a Cygwin terminal

# Generate your SSH key pair

- Enter in a shell:
  - `ssh-keygen -t rsa -b 4096`
- You will see the following output:
  - Generating public/private rsa key pair.
  - Enter file in which to save the key (`~/.ssh/id_rsa`): (just press `<return>`)
  - Enter passphrase (empty for no passphrase): (enter a secure passphrase – **do not leave this empty!**)
  - Enter same passphrase again:
  - Your identification has been saved in `~/.ssh/id_rsa`.
  - Your public key has been saved in `~/.ssh/id_rsa.pub`.
  - The key fingerprint is:
  - ...

# Generate your SSH key pair

- Keep your private key (by default `~/.ssh/id_rsa`) private – **NEVER share it with anyone!**

# Submit your SSH public key

- Submit your generated **SSH public key** (by default `~/.ssh/id_rsa.pub`) by e-mail to [levonyak@par.tuwien.ac.at](mailto:levonyak@par.tuwien.ac.at)
- Enter as e-mail subject:
  - Saturn student account
- Enter the following information as e-mail body:
  - First name: ...
  - Last name: ...
  - Matriculation number: ...

# Submit your SSH public key

- Attach your public key file to the e-mail
- **Do NOT submit your private key file!**
- You will be notified as soon as your account is ready to be used

# Log into your account

- Enter in a shell (replace `<matriculation_number>` with your matriculation number):
  - `ssh -p 49316 e<matriculation_number>@saturn.par.tuwien.ac.at`
- You will be asked for your passphrase – enter the passphrase you have chosen when generating your SSH key pair
- You should now be logged into your account!!

# Log into your account

- Contact [levonyak@par.tuwien.ac.at](mailto:levonyak@par.tuwien.ac.at) if you experience any problems



# Help to keep the system secure

- We are very concerned about securing our systems
- Please inform [levonyak@par.tuwien.ac.at](mailto:levonyak@par.tuwien.ac.at) immediately if you suppose that anyone else could have had access to your SSH private key or if you detect any other security threat

# Help to keep the system secure

- Please help us by following a few simple rules:
  - Choose a secure and unique passphrase for your SSH private key
  - Never share your SSH private key with anyone
  - Always log out when you do not use the system or when you leave your PC
  - Never let anyone else use your account
  - Do not use the system for anything else than testing your programs written for this course