

SNA Lab - SSH without a password

Get a GNU/Linux server on IU Azure (<https://vm.innopolis.university/> or <https://azure.university.innopolis.ru/>). As an alternative, you are allowed to use virtualization on your workstation, only if you want a GNU/Linux distribution that is not available over there.

On your workstation, be it GNU/Linux or Windows, create a key pair. Read the `ssh-keygen` manual and choose your algorithm carefully, please use the most recent one, and publish your *on-liner* public key in the report. Enable the SSH service and make it so that you can reach your new VM's system as root without having to provide a password.

Further tune the SSH service by switching to an alternate port, disabling ipv6, password authentication, PAM (if possible), X11 forwarding. Make sure strict modes is the default and allow only a specific system group to use the service (e.g. root or wheel). Show the configuration in your report. You *can* allow the root user to log in for convenience. Bonus: restrict the service to the IPv4 subnet or IP addresses of your choice.

Create an account for a teammate and allow him to SSH into your server as user. Show your system logs as acceptance test, once your teammate reached his account.