**INSTITUTO
FEDERAL**
Ceará

OTTO TEIXEIRA RIBEIRO BRAGA E MELLO

23-2 ASR TELE

AVALIAÇÃO 03
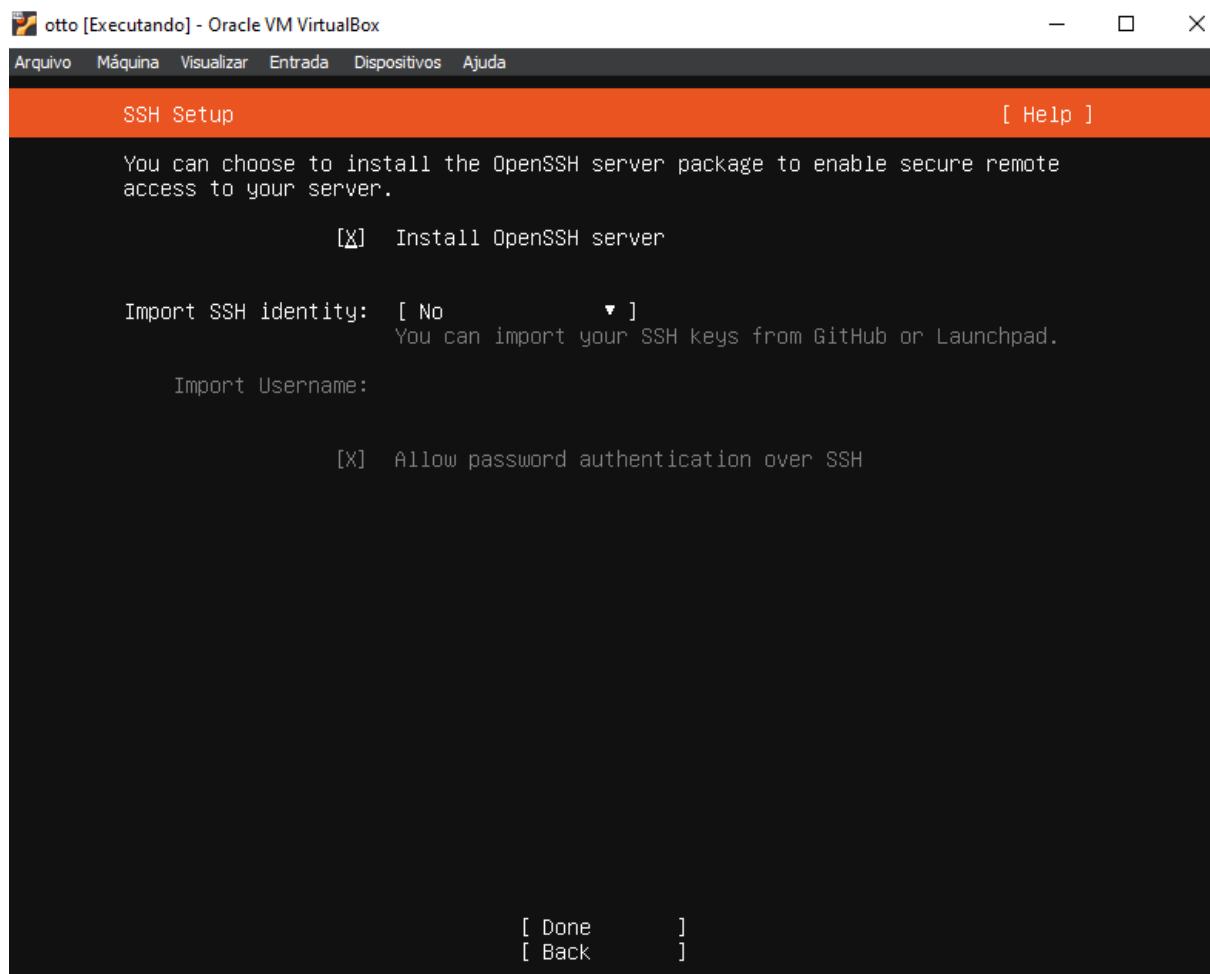
Arquivo   Máquina   Visualizar   Entrada   Dispositivos   Ajuda

SSH Setup   [Help]

You can choose to install the OpenSSH server package to enable secure remote
access to your server.

                    [X]   Install OpenSSH server

Import SSH identity: [No   ▼]
                       You can import your SSH keys from GitHub or Launchpad.

    Import Username:

                    [X]   Allow password authentication over SSH

                              [Done   ]
                              [Back   ]

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

```
Type dpkg --help for help about installing and deinstalling packages [*];
Use 'apt' or 'aptitude' for user-friendly package management;
Type dpkg -Dhelp for a list of dpkg debug flag values;
Type dpkg --force-help for a list of forcing options;
Type dpkg-deb --help for help about manipulating *.deb files;

Options marked [*] produce a lot of output - pipe it through 'less' or 'more' !
otto_19@aluno:~$ sudo dpkg -l | less | grep ssh
ii  libssh-4:amd64                     0.9.6-2ubuntu0.22.04.1        amd64      tiny
C SSH library (OpenSSL flavor)
ii  openssh-client                     1:8.9p1-3ubuntu0.3           amd64      securi
e shell (SSH) client, for secure access to remote machines
ii  openssh-server                     1:8.9p1-3ubuntu0.3           amd64      secur
e shell (SSH) server, for secure access from remote machines
ii  openssh-sftp-server                1:8.9p1-3ubuntu0.3           amd64      secur
e shell (SSH) sftp server module, for SFTP access from remote machines
ii  ssh-import-id                      5.11-0ubuntu1                all        secur
ely retrieve an SSH public key and install it locally
otto_19@aluno:~$  sudo systemctl status ssh
• ssh.service - OpenBSD Secure Shell server
     Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
     Active: active (running) since Thu 2023-09-07 03:19:03 UTC; 2h 56min left
       Docs: man:sshd(8)
             man:sshd_config(5)
    Process: 646 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
   Main PID: 685 (sshd)
      Tasks: 1 (limit: 2221)
     Memory: 4.4M
        CPU: 62ms
     CGroup: /system.slice/ssh.service
             └─685 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

Sep 07 03:19:01 aluno systemd[1]: Starting OpenBSD Secure Shell server...
Sep 07 03:19:03 aluno sshd[685]: Server listening on 0.0.0.0 port 22.
Sep 07 03:19:03 aluno sshd[685]: Server listening on :: port 22.
Sep 07 03:19:03 aluno systemd[1]: Started OpenBSD Secure Shell server.
otto_19@aluno:~$
```

Right Control

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos os direitos reservados.

Experimente a nova plataforma cruzada PowerShell https://aka.ms/pscore6

PS C:\Users\Alunos> ssh -i C:\Users\Alunos\.ssh\id_rsa otto_19@10.112.2.99
The authenticity of host '10.112.2.99 (10.112.2.99)' can't be established.
ECDSA key fingerprint is SHA256:u12iNrttfP1xBAtq7BOf1yQArm+Au+ggfl0ucXBXbjI.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.112.2.99' (ECDSA) to the list of known hosts.
otto_19@10.112.2.99's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-83-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Thu Sep  7 12:33:35 AM UTC 2023

  System load:  0.033203125        Processes:              105
  Usage of /:   43.5% of 11.21GB   Users logged in:        1
  Memory usage: 11%                IPv4 address for enp0s3: 10.112.2.99
  Swap usage:   0%


Expanded Security Maintenance for Applications is not enabled.

12 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


Last login: Thu Sep  7 03:19:28 2023
otto_19@aluno: $
```

```
authorized_keys
otto_19@aluno:~/.ssh$ dir
authorized_keys
otto_19@aluno:~/.ssh$ _
```

```
ECDSA key fingerprint is SHA256:ul2iNrttfP1xBAtq7BOf1yQArm+Au+ggf10ucXBXbjI.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.112.2.99' (ECDSA) to the list of known hosts.
otto_19@10.112.2.99's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-83-generic x86_64)

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Last login: Thu Sep  7 03:19:28 2023
otto_19@aluno:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/otto_19/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/otto_19/.ssh/id_rsa
Your public key has been saved in /home/otto_19/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:zE8B/YnWfRy9DrDro1O0KmBnPmcDiRf5dHQR6/zyLDM otto_19@aluno
The key's randomart image is:
+---[RSA 3072]----+
|        ..   oo .|
|        ..o ....|
|       . o+++ .o|
|      = .o=*...o|
|     . S.+ ooo. |
|    + * + +  .. |
|   . * . =  . . |
|     + * o E+  |
|      =.+ . +o |
+----[SHA256]-----+
otto_19@aluno:~$
```

```
otto_19@aluno:~$ ls -la .ssh
total 16
drwx------ 2 otto_19 otto_19 4096 Sep  7 00:42 .
drwxr-x--- 4 otto_19 otto_19 4096 Sep  7 00:36 ..
-rw------- 1 otto_19 otto_19    0 Sep  6 23:57 authorized_keys
-rw------- 1 otto_19 otto_19 2602 Sep  7 00:42 id_rsa
-rw-r--r-- 1 otto_19 otto_19  567 Sep  7 00:42 id_rsa.pub
```