

Jalon 5:

5.1

figure 24) Copie écran du changement de mot de passe du rpi via ssh
on s'est connecté en ssh via la commande ssh noah@192.168.33.125
puis on a changé le mot de passe du rpi avec la commande sudo psswd

The screenshot shows a terminal window with a dark background and light-colored text. At the top, there's a menu bar with French labels: Fichier, Editer, Affichage, Rechercher, Terminal, Aide. Below the menu, the terminal prompt is tp@rt:~\$ followed by the command ssh noah@192.168.33.125. The password is entered, and the system responds with Linux noah 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr 3 17:24:16 BST 2023 aarch64. It then displays the standard Debian free software license information. Below that, it states that Debian comes with ABSOLUTELY NO WARRANTY. The last login information is shown as Last login: Thu Jan 9 17:53:09 2025. A red box highlights the password entry area. The bottom part of the terminal shows the sudo psswd command being run, followed by the new password and its confirmation, and finally a success message from the passwd command.

```
tp@rt:~$ ssh noah@192.168.33.125
noah@192.168.33.125's password:
Linux noah 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr 3 17:24:16 BST 2023 aarch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jan 9 17:53:09 2025

Wi-Fi is currently blocked by rfkill.
Use raspi-config to set the country before use.

noah@noah:~ $ sudo passwd
Nouveau mot de passe :
Retapez le nouveau mot de passe :
passwd: password updated successfully
noah@noah:~ $
```

rouge = partie où on s'est connecté en ssh
jaune = partie où on change le mot de passe

5.2

figure 25) Copie du terminal lors de la connexion avec login

The screenshot shows a terminal window with a dark background and light-colored text. At the top, there's a menu bar with French labels: Fichier, Editer, Affichage, Rechercher, Terminal, Aide. Below the menu, the terminal prompt is tp@rt:~\$ followed by the command ssh noah@192.168.33.125. The password is entered, and the system responds with Linux noah 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr 3 17:24:16 BST 2023 aarch64. It then displays the standard Debian free software license information. Below that, it states that Debian comes with ABSOLUTELY NO WARRANTY. The last login information is shown as Last login: Thu Jan 9 17:53:09 2025. A yellow box highlights the password entry area. The bottom part of the terminal shows the login process, including the prompt for the new password, its confirmation, and the success message from the passwd command.

```
noah@noah: ~
Fichier Editer Affichage Rechercher Terminal Aide
tp@rt:~$ ssh noah@192.168.33.125
noah@192.168.33.125's password:
Linux noah 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr 3 17:24:16 BST 2023 aarch64

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the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Thu Jan 9 17:53:09 2025

Wi-Fi is currently blocked by rfkill.
Use raspi-config to set the country before use.
```

5.3

Copie du terminal lors de la connexion avec échange de clefs. On s'est connecté avec la commande ssh noah@192.168.33.125 et on voit qu'on nous demande aucun mot de passe on a créé la clé avec la commande ssh-keygen -t -rsa -b et on envoie la clé public sur le rpi avec la commande noah@192.168.33.125

figure 26)

```
tp0rt:~$ ssh-copy-id noah@192.168.33.125
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
noah@192.168.33.125's password:

Number of key(s) added: 1

Now try logging into the machine, with: "ssh 'noah@192.168.33.125'"
and check to make sure that only the key(s) you wanted were added.

tp0rt:~$ ssh noah@192.168.33.125
Linux noah 6.1.21-v8+ #1642 SMP PREEMPT Mon Apr  3 17:24:16 BST 2023 aarch64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Fri Jan 10 08:28:38 2025 from 192.168.33.88

Wi-Fi is currently blocked by rfkill.
Use raspi-config to set the country before use.

noah@noah:~ $ exit
déconnexion
Connection to 192.168.33.125 closed.
```

rouge = partie ou on envoie la clé public sur le rpi

jaune = partie ou on se connecte en ssh sans mot de passe

5.4

figure 27) Copie de l'agenda hebdomadaire réactualisé.

ID	Tâches récapitulatives	Sous-tâches		Non commencé	En cours	Terminé
	Binôme 1-SAÉ 12 s'initier aux réseaux informatiques : 20 heures	11				
2	1 Outil de supervision: Mise en place d'un agenda hebdomadaire (1h)	1		1		
3	2 Le PC fixe est connecté au réseau de l'IUT et il accède sur l'extérieur : (1h)	1		1		
4	3 Rpi connecté sur le réseau de l'IUT (2h)	1		1		
5	4 Mise en place d'un serveur web Apache sur le Rpi	1		1		
6	5 Certification de la connexion des 2 machines sur le même réseau (2h)	1		1		
7	6 Accès ssh établi entre le PC fixe et le Rpi(1h)	1		1		
8	7 partage de ressources actif (3h)	1		1		
9	8 réseau de la salle analysé (3h)	1		1		
10	9	1		1		