

Cloud privé avec Nextcloud : Infrastructure sécurisée : LDAP Samba, Netdata, sauvegarde rsync

Network configuration [Help]

Configurez au moins une interface pour que ce serveur puisse communiquer avec les autres machines sur le réseau, préféablement un réseau avec accès aux mises à jour.

NAME	TYPE	NOTES
[enp0s3	eth	- ►] désactivé autoconfiguration failed 08:00:27:48:92:f5 / Intel Corporation / 82540EM Gigabit Ethernet Controller (PRO/1000 MT Desktop Adapter)

[Create bond ►]

— Edit enp0s3 IPv4 configuration —

IPv4 Method: [Manuel ▾]

Masque de sous-réseau: 192.168.100.0/24

Adresse : 192.168.100.10

Passerelle : 192.168.100.1

Serveurs DNS : 127.0.0.1
IP adresses, comma separated

Domaines de recherche : bts-sio.local
Domains, comma separated

[Sauvegarder]
[Annuler]

[Continuer sans réseau]
[Retour]

Profile configuration [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on a later screen, but a password is still needed for sudo.

Votre nom : Administrateur

Your servers name: srv-cloud-ad
The name it uses when it talks to other computers.

Choisir un nom d'utilisateur : user-admin

Choisir un mot de passe : *****

Confirmer votre mot de passe: *****

[Terminé]

Installation complete! [Help]

```
configuring mount: mount-0
executing curtin install extract step
curtin command install
writing install sources to disk
running 'curtin extract'
curtin command extract
acquiring and extracting image from cp:///tmp/tmp3quvfnp/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
running 'curtin curthooks'
curtin command curthooks
configuring apt configuring apt
installing missing packages
Installing packages on target system: ['grub-pc']
configuring iscsi service
configuring raid (mdadm) service
configuring NVMe over TCF
installing kernel
setting up swap
apply networking config
writing etc/fstab
configuring multipath
updating packages on target system
configuring pollinate user-agent on target
updating initramfs configuration
configuring target system bootloader
installing grub to target devices
copying metadata from /cdrom
final system configuration
calculating extra packages to install
Installing openssh-server
retrieving openssh-server
curtin command system-install
unpacking openssh-server
curtin command system-install
configuring cloud-init
restoring apt configuration
subiquity/Late/run:
```

[View full log] [Redémarrer maintenant]

```
srv-cloud-ad login: user-admin
Password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

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

System information as of Sun Feb 16 21:00:26 UTC 2025

System load:  1.15      Processes:          34
Usage of /home: unknown  Users logged in:     0
Memory usage:  5%       IPv4 address for eth0: 10.10.10.2
Swap usage:   0%

La maintenance de sécurité étendue pour Applications n'est pas activée.

0 mise à jour peut être appliquée immédiatement.

Activez ESM Apps pour recevoir des futures mises à jour de sécurité supplémentaires.
Visitez https://ubuntu.com/esm ou exécutez : sudo pro status

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

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

user-admin@srv-cloud-ad:~$
```

```
GNU nano 7.2                                     /etc/netplan/80-installer-config.yaml
network:
  version: 2
  renderer: networkd
  ethernets:
    enp0s3:
      addresses:
        - 192.168.100.10/24
      nameservers:
        addresses: [127.0.0.1]

user-admin@srv-cloud-ad:~$
```

```
user-admin@srv-cloud-ad:~$ sudo chmod 600 /etc/netplan/80-installer-config.yaml
user-admin@srv-cloud-ad:~$ sudo netplan apply
user-admin@srv-cloud-ad:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:48:52:f5 brd ff:ff:ff:ff:ff:ff
    inet 192.168.100.10/24 brd 192.168.100.255 scope global enp0s3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe48:52f5/64 scope link
        valid_lft forever preferred_lft forever
user-admin@srv-cloud-ad:~$
```

```
GNU nano 7.2                               /etc/netplan/80-installer-config.yaml

network:
  version: 2
  renderer: networkd
  ethernets:
    enp0s3:
      addresses: [192.168.100.10/24]
      nameservers:
        addresses: [8.8.8.8, 1.1.1.1]
    enp0s8:
      dhcp4: true
```

```
[ Read 10 lines ]
[ Help ] [ Write Out ] [ Where Is ] [ Cut ] [ Paste ] [ Execute ] [ Location ] [ M-U Undo ] [ M-A Set Mark ] [ M-J To Bracket ] [ M-Q Previous ]
[ Exit ] [ R Read File ] [ Replace ] [ Justify ] [ Go To Line ] [ M-B Redo ] [ M-G Copy ] [ M-W Where Has ] [ M-K Next ]
```

```
user-admin@srv-cloud-ad:~$ ping -c 3 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
4 bytes from 8.8.8.8: icmp_seq=1 ttl=115 time=17.2 ms
4 bytes from 8.8.8.8: icmp_seq=2 ttl=115 time=18.9 ms
4 bytes from 8.8.8.8: icmp_seq=3 ttl=115 time=64.3 ms

--- 8.8.8.8 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 17.184/33.472/64.285/21.799 ms
user-admin@srv-cloud-ad:~$
```

update

```
user-admin@srv-cloud-ad:~$ sudo apt upgrade
E: L'opération upgrade n'est pas valable
user-admin@srv-cloud-ad:~$ sudo apt upgrade
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
Calcul de la mise à jour... Fait
0 mis à jour, 0 nouvellement installés, 0 à enlever et 0 non mis à jour.
user-admin@srv-cloud-ad:~$ sudo apt upgrade
Lecture des listes de paquets... Fait
Construction de l'arbre des dépendances... Fait
Lecture des informations d'état... Fait
Calcul de la mise à jour... Fait
0 mis à jour, 0 nouvellement installés, 0 à enlever et 0 non mis à jour.
user-admin@srv-cloud-ad:~$ _
```

```
sudo apt install samba krb5-user krb5-config winbind smbclient -y
```

Pour vérifier immédiatement ce que tu fais :

Tape précisément :

```
bash Copier Modifier  
sudo ip route del default via 192.168.100.1 dev enp0s3
```

Puis immédiatement vérifie avec :

```
ip addr show enp0s3
```

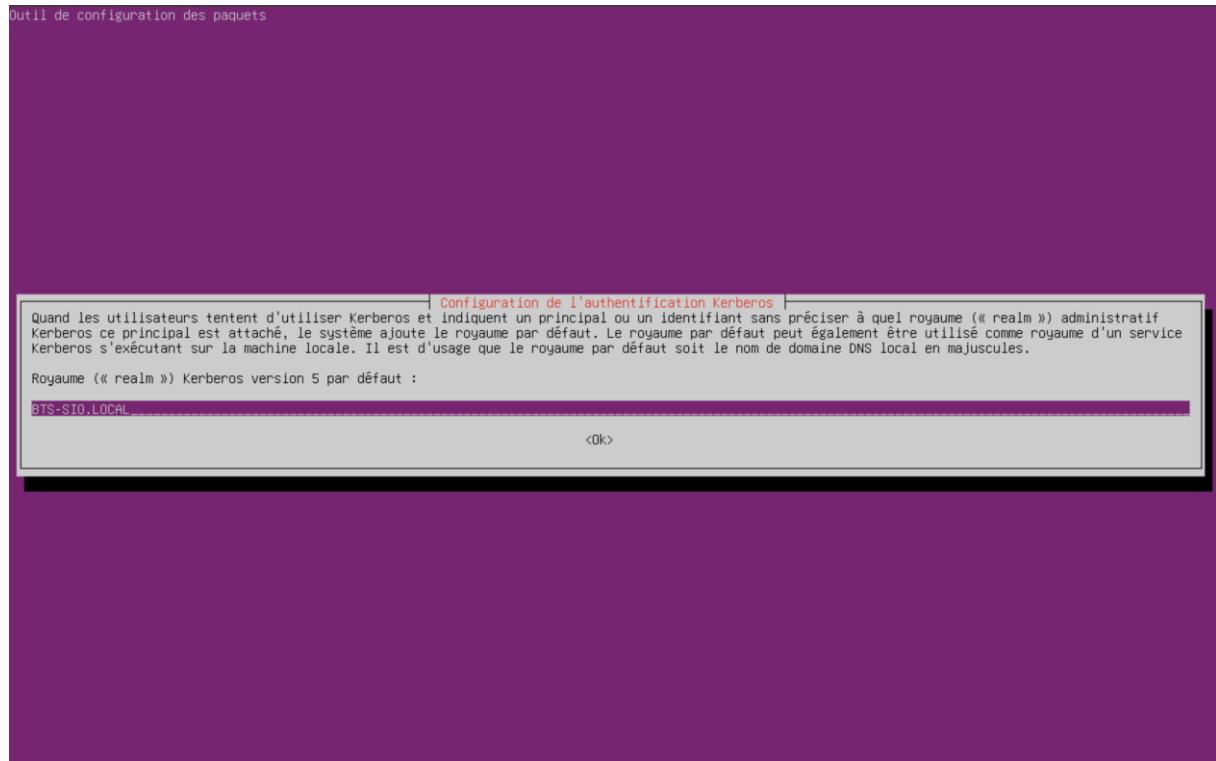
Tu verras que ton IP 192.168.100.10 sera toujours là et fonctionnelle ✓.

Ensuite teste immédiatement :

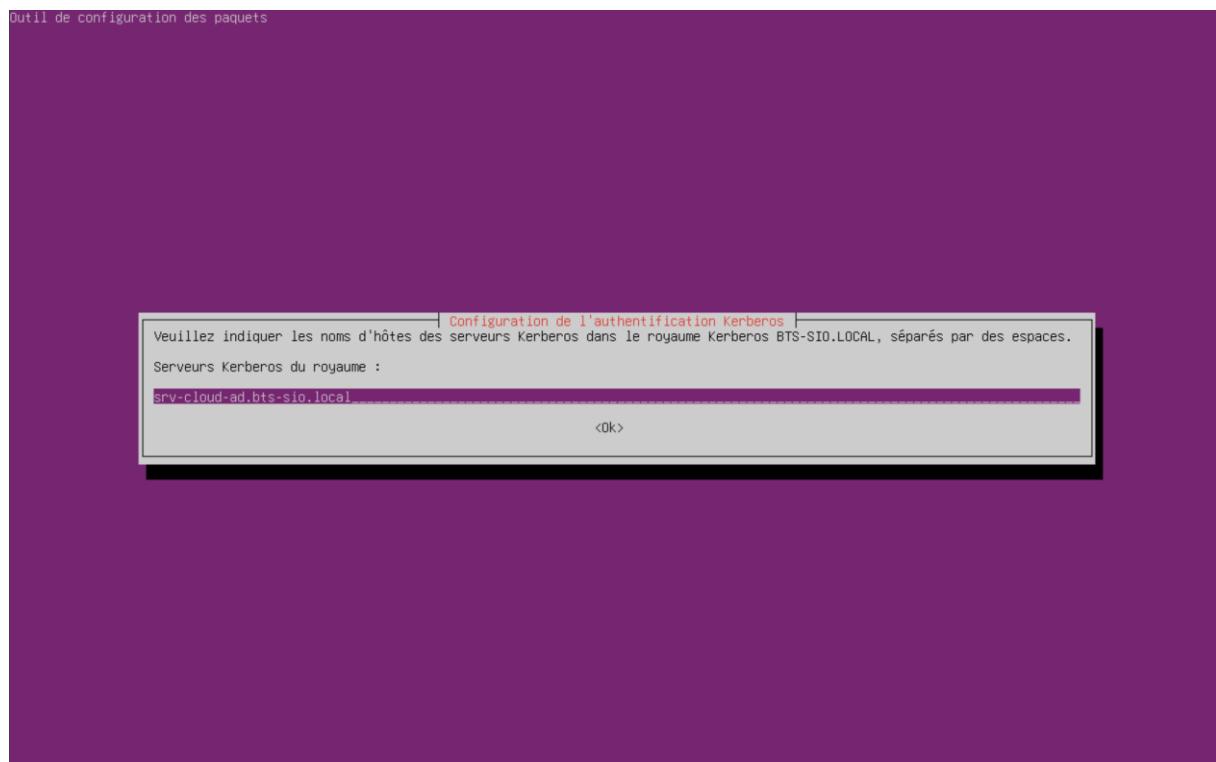
`sudo apt update`

`sudo apt upgrade -y`

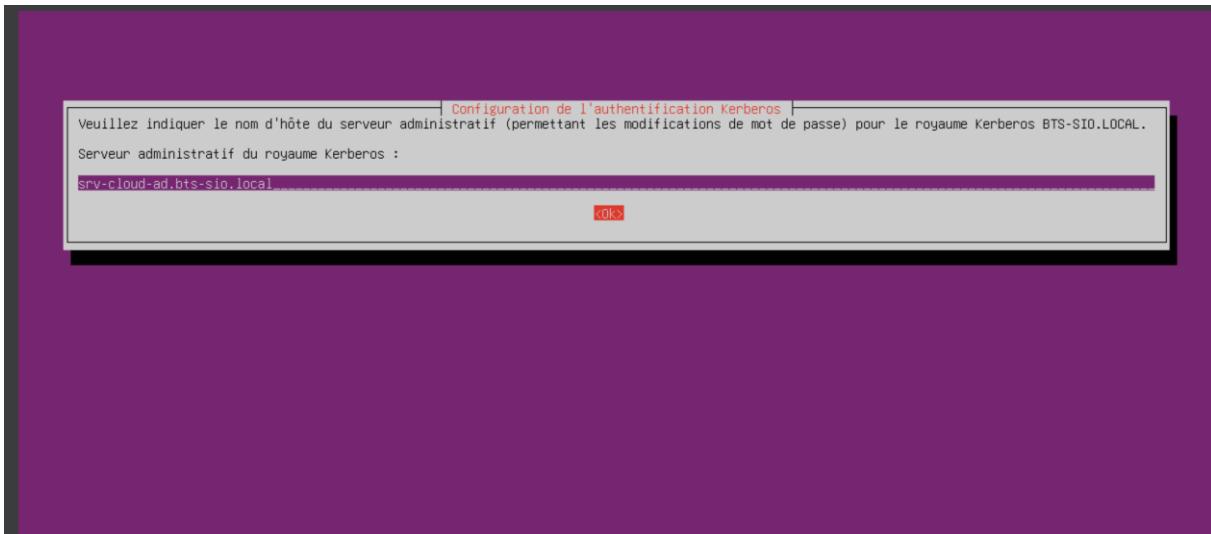
```
sudo apt install samba krb5-user krb5-config winbind smbclient -y
```



Tu indiques le nom d'hôte complet (FQDN) de ton serveur Kerberos (celui que tu es en train de configurer actuellement).



```
update-alternatives: utilisation de « /usr/bin/kdestroy.mit » pour fournir « /usr/bin/kdestroy » (kdestroy) en mode automatique
update-alternatives: utilisation de « /usr/bin/kadmin.mit » pour fournir « /usr/bin/kadmin » (kadmin) en mode automatique
update-alternatives:
  progression : [====] ######
```



création de ton AD

```
sudo mv /etc/samba/smb.conf /etc/samba/smb.conf.old
```

```
sudo samba-tool domain provision --use-rfc2307 --interactive
```

```
update-alternatives: utilisation de « /usr/bin/kdestroy.mit » pour fournir « /usr/bin/kdestroy » (kdestroy) en mode automatique
update-alternatives: utilisation de « /usr/bin/kadmin.mit » pour fournir « /usr/bin/kadmin » (kadmin) en mode automatique
update-alternatives:
Progression : [####] 98% [#####
.....1
```

Realm **BTS-SIO.LOCAL**

Domain **BTS-SIO**

Server Role **dc**

DNS backend **SAMBA_INTERNAL**

```
user-admin@srv-cloud-ad:~$ sudo mv /etc/samba/smb.conf /etc/samba/smb.conf.old
[sudo] password for user-admin:
user-admin@srv-cloud-ad:~$ sudo samba-tool domain provision --use-rfc2307 --interactive
Realm: BTS-SIO.LOCAL
Domain [BTS-SIO]: BTS-SIO
Server Role (dc, member, standalone) [dc]: dc
DNS backend (SAMBA_INTERNAL, BIND9_FLATFILE, BIND9_DLZ, NONE) [SAMBA_INTERNAL]: SAMBA_INTERNAL
DNS forwarder IP address (write 'none' to disable forwarding) [127.0.0.53]: 8.8.8.8
Administrator password:
Administrator password does not meet the default minimum password length requirement (7 characters).
Administrator password:
Retype password:
INFO 2025-03-21 13:45:59.111 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2128: Looking up IPv4 addresses
WARNING 2025-03-21 13:45:59.132 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2133: More than one IPv4 address found. Using 192.168.100.0
INFO 2025-03-21 13:45:59.133 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2145: Looking up IPv6 addresses
WARNING 2025-03-21 13:45:59.169 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2152: No IPv6 address will be assigned
INFO 2025-03-21 13:45:59.538 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2318: Setting up share ldb
INFO 2025-03-21 13:45:59.681 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2322: Setting up secrets ldb
INFO 2025-03-21 13:46:00.178 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2330: Setting up the privileges database
INFO 2025-03-21 13:46:00.382 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2331: Setting up idmap db
INFO 2025-03-21 13:46:00.523 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #2340: Setting up SAM db
INFO 2025-03-21 13:46:00.578 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #886: Setting up sam.ldb partitions and settings
INFO 2025-03-21 13:46:00.579 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #898: Setting up sam.ldb rootDSE
INFO 2025-03-21 13:46:00.639 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1020: Pre-loading the Samba 4 and AD schema
Unable to determine the DomainSID, can not enforce uniqueness constraint on local domainSIDs
INFO 2025-03-21 13:46:00.739 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1099: Adding DomainDN: DC=bts-sio,DC=local
INFO 2025-03-21 13:46:00.794 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1431: Adding configuration container
INFO 2025-03-21 13:46:00.855 pid:3004 /usr/lib/python3/dist-packages/samba/provision/__init__.py #1446: Setting up sam.ldb schema
```

active définitivement Samba AD

```
sudo systemctl disable smbd nmbd winbind --now
```

```
sudo systemctl unmask samba-ad-dc
```

```
sudo systemctl enable samba-ad-dc
```

```
sudo systemctl restart samba-ad-dc
```

```
user-admin@srv-cloud-ad:~$ sudo systemctl disable smbd nmbd winbind --now
Synchronizing state of smbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable smbd
Synchronizing state of nmbd.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable nmbd
Synchronizing state of winbind.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install disable winbind
Removed '/etc/systemd/system/multi-user.target.wants/winbind.service'.
Removed '/etc/systemd/system/multi-user.target.wants/smbd.service'.
Removed '/etc/systemd/system/multi-user.target.wants/nmbd.service'.
Removed '/etc/systemd/system/smb.service'.
Removed '/etc/systemd/system/nmb.service'.
```

Vérification du serveur actif

```
* samba-ad-dc.service - Samba AD Daemon
  Loaded: loaded (/usr/lib/systemd/system/samba-ad-dc.service; enabled; preset: enabled)
  Active: active (running) since Fri 2025-03-21 13:55:36 UTC; 15s ago
    Docs: man:samba(6)
          man:samba(7)
          man:smb.conf(5)
  Process: 3667 ExecCondition=/usr/share/samba/is-configured samba (code=exited, status=0/SUCCESS)
 Main PID: 3670 (samba)
 Status: "samba: ready to serve connections..."
   Tasks: 62 (limit: 11810)
  Memory: 197.7M (peak: 270.9M)
    CPU: 9.275s
   CGroup: /system.slice/samba-ad-dc.service
           ├─3670 "samba: root process"
           ├─3671 "samba: tfork waiter process(3672)"
           ├─3672 "samba: task[s3fs] pre-fork master"
           ├─3673 "samba: tfork waiter process(3678)"
           ├─3674 "samba: tfork waiter process(3679)"
           ├─3675 "samba: task[rpc] pre-fork master"
           ├─3676 "samba: tfork waiter process(3677)"
           ├─3677 "samba: task[nbt] pre-fork master"
           ├─3678 "/usr/sbin/smbd -D \"-option-server role check:inhibit=yes\" --foreground"
           ├─3679 "samba: tfork waiter process(3681)"
           ├─3680 "samba: tfork waiter process(3683)"
           ├─3681 "samba: task[rpc] pre-forked worker(0)"
           ├─3682 "samba: tfork waiter process(3685)"
           ├─3683 "samba: task[repil] pre-fork master"
           ├─3684 "samba: tfork waiter process(3687)"
           ├─3685 "samba: task[rpc] pre-forked worker(1)"
           ├─3686 "samba: tfork waiter process(3690)"
           ├─3687 "samba: task[ldap] pre-fork master"
           ├─3688 "samba: tfork waiter process(3689)"
           ├─3689 "samba: task[cldapi] pre-fork master"
           ├─3690 "samba: task[rpc] pre-forked worker(2)"
           ├─3691 "samba: tfork waiter process(3692)"
           ├─3692 "samba: task[kdc] pre-fork master"
           ├─3693 "samba: tfork waiter process(3694)"
           ├─3694 "samba: task[rpc] pre-forked worker(3)"
           ├─3695 "samba: tfork waiter process(3699)"
           ├─3696 "samba: tfork waiter process(3697)"
           ├─3697 "samba: task[kdc] pre-forked worker(0)"
           ├─3698 "samba: tfork waiter process(3701)"
           ├─3699 "samba: task[repil] pre-fork master"
           ├─3700 "samba: tfork waiter process(3703)"
           ├─3701 "samba: task[kdc] pre-forked worker(1)"
           ├─3703 "samba: task[winbindd] pre-fork master"
           ├─3704 "samba: tfork waiter process(3708)"
           ├─3705 "samba: tfork waiter process(3707)"
           ├─3706 "samba: tfork waiter process(3709)"
```

lines 1-49

Étapes suivantes immédiates pour vérifier le bon fonctionnement : nameserver 127.0.0.1

search bts-sio.local

sudo nano /etc/resolv.conf

```
GNU nano 7.2                               /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

nameserver 127.0.0.53
options edns0 trust-ad
search bts-sio.local localdomain
```

host -t SRV _ldap._tcp.bts-sio.local

sinon

```
user-admin@srv-cloud-ad:~$ sudo rm -f /etc/resolv.conf
user-admin@srv-cloud-ad:~$ echo -e "nameserver 127.0.0.1\nsearch bts-sio.local" | sudo tee /etc/resolv.conf
nameserver 127.0.0.1
search bts-sio.local
user-admin@srv-cloud-ad:~$ sudo chmod 644 /etc/resolv.conf
user-admin@srv-cloud-ad:~$ sudo systemctl restart samba-ad-dc
user-admin@srv-cloud-ad:~$ host -t SRV _ldap._tcp.bts-sio.local
_bts-sio.local has SRV record 0 100 389 srv-cloud-ad.bts-sio.local.
user-admin@srv-cloud-ad:~$
```

Puis sudo systemctl restart samba-ad-dc

host -t SRV _ldap._tcp.bts-sio.local

**serveur Active Directory sous Linux (Samba AD) est maintenant officiellement
opérationnel !**

Créer ton premier utilisateur test dans l'AD

sudo samba-tool user create testuser Motdepasse123!

```
user-admin@srv-cloud-ad:~$ sudo samba-tool user create testuser Karesh2003!
User 'testuser' added successfully
user-admin@srv-cloud-ad:~$ _
```

```
user-admin@srv-cloud-ad:~$ sudo samba-tool user create testuser Karesh2003!
User 'testuser' added successfully
user-admin@srv-cloud-ad:~$ sudo samba-tool user list
Guest
testuser
Administrator
krbtgt
user-admin@srv-cloud-ad:~$
```

Prochaine grande étape

 **Résumé clair de ta configuration actuelle (à conserver précieusement pour ton projet) :**

VM	Ubuntu Server (24.04 LTS)
Adresse IP (Interne)	192.168.100.10
Nom de domaine (AD)	BTS-SIO.LOCAL
Nom hôte complet	srv-cloud-ad.bts-sio.local
DNS local	127.0.0.1
Forward DNS	8.8.8.8
Utilisateur test AD	testuser (Motdepasse123!)
Interface NAT Internet	activée (IP dynamique : 10.0.3.15)

Tu vas installer et configurer ta VM Nextcloud pour ensuite :

- L'intégrer précisément à ton Active Directory.
- Ajouter un système LDAP à Nextcloud.
- Ajouter une supervision avec Zabbix (monitoring).

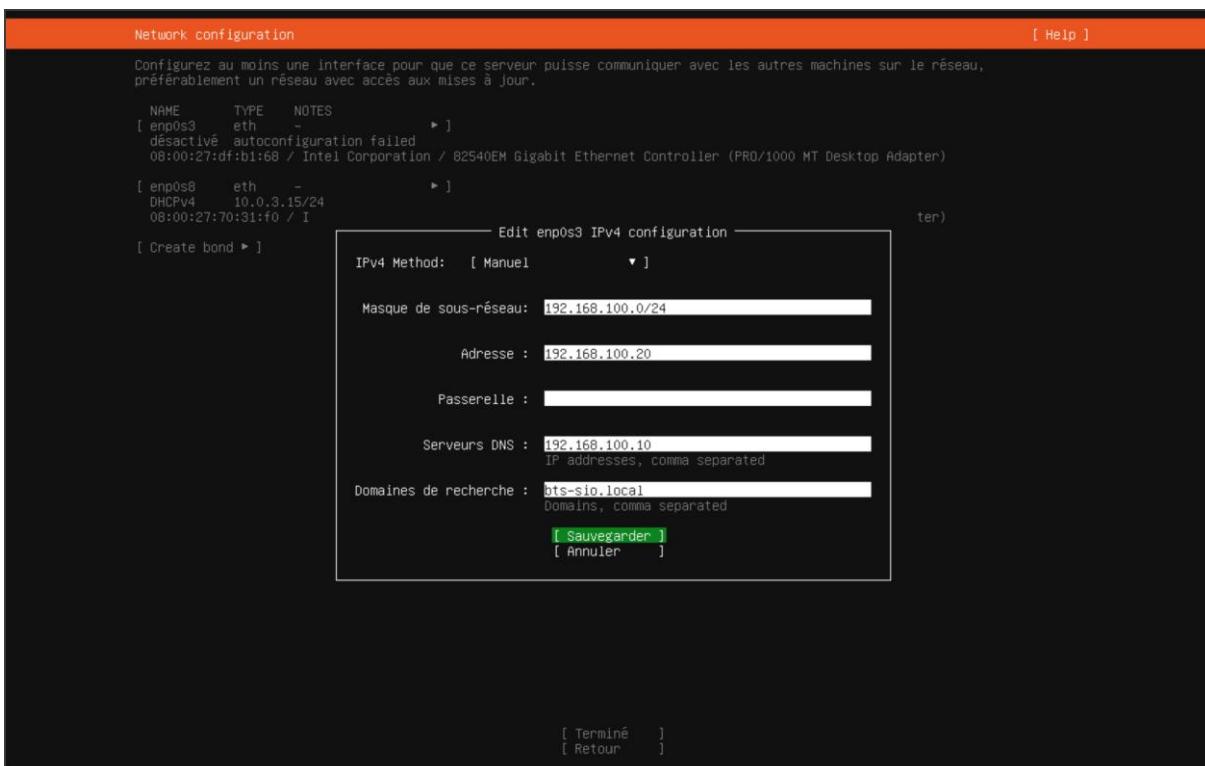
Étape 1 : Configuration de la nouvelle VM (Nextcloud)

Crée immédiatement une nouvelle VM sur VirtualBox avec les paramètres précis suivants :

Paramètres	Valeurs recommandées
Nom VM	srv-nextcloud
OS	Ubuntu Server 24.04 LTS (idem AD)
RAM	4096 Mo (idéal pour Nextcloud)
CPU	2 vCPU (ou +)
Disque	30 Go minimum
Carte Réseau	2 cartes : - Réseau Interne (<code>intnet</code> , statique) - NAT (internet)

Configure immédiatement l'adressage réseau suivant pour ta VM Nextcloud durant l'installation :

Carte Réseau	Paramètres IP précis
Interne (<code>intnet</code>)	IP : 192.168.100.20/24 Passerelle : laisse vide DNS : 192.168.100.10 (ton serveur AD)
NAT	DHCP (automatique, pas de config manuelle)



Ubuntu archive mirror configuration [Help]

If you use an alternative mirror for Ubuntu, enter its details here.

Adresse du miroir : You may provide an archive mirror to be used instead of the default.

This mirror location passed tests.

```
Atteint :1 http://archive.ubuntu.com/ubuntu noble InRelease
Réception de :2 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Réception de :3 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
252 Ko réceptionnés en 2s (103 Ko/s)
Lecture des listes de paquets...
```

[Terminé] [Retour]

Profile configuration [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on a later screen, but a password is still needed for sudo.

Votre nom :

Your servers name: The name it uses when it talks to other computers.

Choisir un nom d'utilisateur :

Choisir un mot de passe :

Confirmer votre mot de passe:

[Terminé]

Featured server snaps [Help]

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.

[] microk8s	canonical✓	Kubernetes for workstations and appliances
[*] nextcloud	nextcloud✓	Nextcloud Server - A safe home for all your data
[] wekan	xet7	Open-Source kanban
[] kata-containers	katacontainers✓	Build lightweight VMs that seamlessly plug into the containers ecosystem
[] docker	canonical✓	Docker container runtime
[] canonical-livepatch	canonical✓	Canonical Livepatch Client
[] rocketchat-server	rocketchat✓	Rocket.Chat server
[] mosquitto	mosquitto✓	Eclipse Mosquitto MQTT broker
[] etcd	canonical✓	Resilient key-value store by CoreOS
[] powershell	canonical✓	PowerShell for every system!
[] sabnzbd	sabnzbd	SABnzbd
[] wormhole	snapcrafters■	get things from one computer to another, safely
[] aus-cli	aus✓	Universal Command Line Interface for Amazon Web Services
[] google-cloud-sdk	google-cloud-sdk✓	Google Cloud SDK
[] sicli	softlayer	Python based Softlayer API Tool.
[] doctl	digitalocean✓	The official DigitalOcean command line interface
[] conjure-up	canonical✓	Package runtime for conjure-up spells
[] postgresql10	cmd	PostgreSQL is a powerful, open source object-relational database system.
[] heroku	heroku✓	CLI client for Heroku
[] keepalived	keepalived-project✓	High availability VRRP/BFD and load-balancing for Linux
[] prometheus	canonical✓	The Prometheus monitoring system and time series database
[] lxd	canonical✓	LXD - container and VM manager

[Terminé] [Retour]

Installation complete! [Help]

```
writing install sources to disk
running 'curtin extract'
curtin command extract
    acquiring and extracting image from cp:///tmp/tmp_1vnrszr/mount
configuring keyboard
curtin command in-target
executing curtin install curthooks step
curtin command install
configuring installed system
    running 'curtin curthooks'
    curtin command curthooks
        configuring apt configuring apt
        installing missing packages
        Installing packages on target system: ['grub-pc']
        configuring iscsi service
        configuring raid (mdadm) service
        configuring NVMe over TCP
        installing kernel
        setting up swap
        apply networking config
        writing etc/fstab
        configuring multipath
        updating packages on target system
        configuring pollinate user-agent on target
        updating initramfs configuration
        configuring target system bootloader
        installing grub to target devices
        copying metadata from /cdrom
final system configuration
calculating extra packages to install
installing openssh-server
retrieving openssh-server
curtin command system-install
unpacking openssh-server
curtin command system-install
configuring cloud-init
downloading and installing security updates
curtin command in-target
restoring apt configuration
curtin command in-target
subiquity/Late/run:
```

[View full log] [Redémarrer maintenant]

Vérifier que Nextcloud est bien installé

Snap list

```
nextcloud-admin@srv-nextcloud:~$ snap list
Name    Version  Rev  Tracking     Publisher  Notes
core18  20250129 2855  latest/stable canonical+ base
snapd   2.67.1   23771 latest/stable canonical+ snapd
nextcloud-admin@srv-nextcloud:~$
```

2. Configurer Nextcloud

sudo nextcloud.manual-install admin password

Ensuite, active Nextcloud via : sudo nextcloud.occ maintenance:mode –off

Puis : Configurer l'accès web avec ip a

```
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ config:system:set trusted_domain 1 --value="192.168.100.10"
System config value trusted_domain => 1 set to string 192.168.100.10
nextcloud-admin@srv-nextcloud:~$ _
```

Access par pont

```
nextcloud-admin@srv-nextcloud:~$ sudo systemctl status snap.nextcloud.apache
[sudo] password for nextcloud-admin:
● snap.nextcloud.apache.service - Service for snap application nextcloud.apache
  Loaded: loaded (/etc/systemd/system/snap.nextcloud.apache.service; enabled; preset: enabled)
  Active: active (running) since Fri 2025-03-21 15:47:12 UTC; 2min 21s ago
    Main PID: 719 (run-httpd)
      Tasks: 8 (limit: 11914)
        Memory: 26.6M (peak: 56.7M)
          CPU: 10.194s
        CGroup: /system.slice/snap.nextcloud.apache.service
                  └─ 719 /bin/sh /snap/nextcloud/46218/bin/run-httpd -k start -DFOREGROUND
                    ├─ 2342 /bin/sh /snap/nextcloud/46218/bin/httpd-wrapper -k start -DFOREGROUND
                    ├─ 2391 httpd -d /snap/nextcloud/46218 -k start -DFOREGROUND
                    ├─ 2392 httpd -d /snap/nextcloud/46218 -k start -DFOREGROUND
                    ├─ 2393 httpd -d /snap/nextcloud/46218 -k start -DFOREGROUND
                    └─ 2394 httpd -d /snap/nextcloud/46218 -k start -DFOREGROUND

mars 21 15:47:27 srv-nextcloud nextcloud.apache[2070]: System config value memcache.locking set to string \OC\Memcache\Redis
mars 21 15:47:28 srv-nextcloud nextcloud.apache[2138]: System config value memcache.local set to string \OC\Memcache\Redis
mars 21 15:47:30 srv-nextcloud nextcloud.apache[2292]: No such app enabled: updatenotification
mars 21 15:47:31 srv-nextcloud nextcloud.apache[1060]: Making sure nextcloud is fully upgraded...
mars 21 15:47:32 srv-nextcloud nextcloud.apache[2337]: Nextcloud is already latest version
mars 21 15:47:32 srv-nextcloud nextcloud.apache[713]: All set! Running httpd...
mars 21 15:47:32 srv-nextcloud nextcloud.apache[2342]: No certificates are active: using HTTP only
mars 21 15:47:32 srv-nextcloud nextcloud.apache[2342]: HTTP compression is disabled
mars 21 15:47:32 srv-nextcloud nextcloud.apache[2342]: notify_push reverse proxy is disabled
mars 21 15:47:32 srv-nextcloud nextcloud.apache[2391]: httpd: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. ▶

nextcloud-admin@srv-nextcloud:~$ sudo _
```

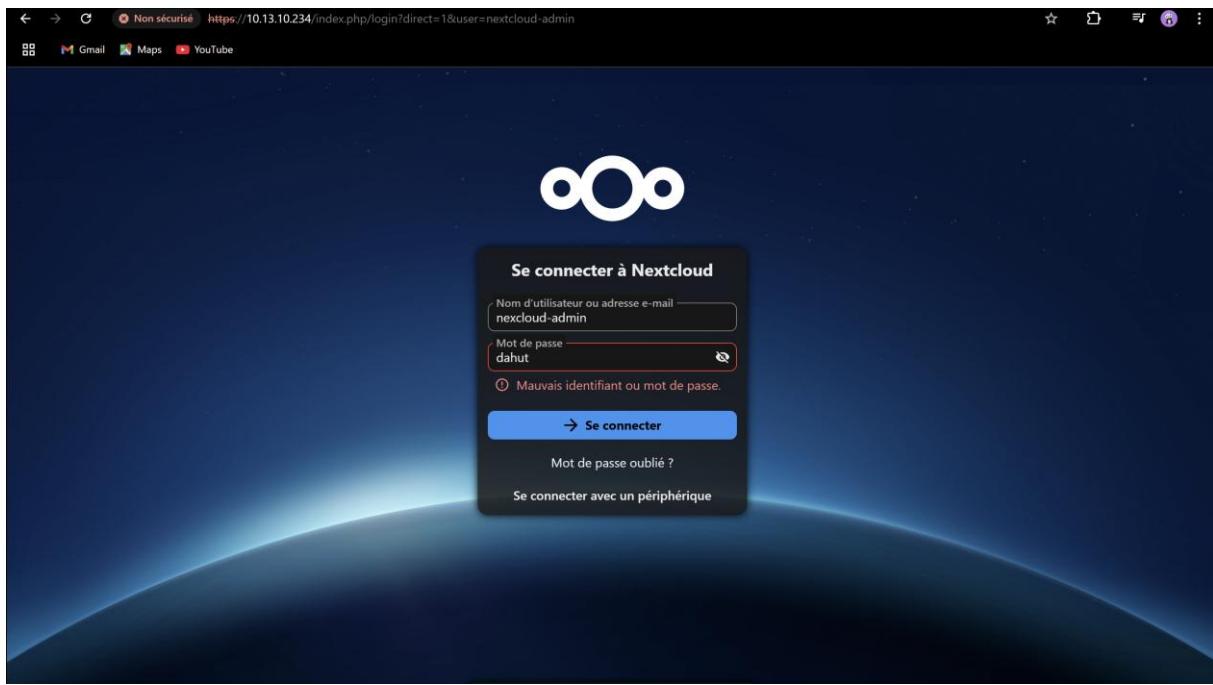
```
nextcloud-admin@srv-nextcloud:~$ dpkg -l | grep apache2
nextcloud-admin@srv-nextcloud:~$ snap service nextcloud
error: unknown command "service", see 'snap help'.
nextcloud-admin@srv-nextcloud:~$ snap services nextcloud
Service           Startup  Current  Notes
nextcloud.apache   enabled   active   -
nextcloud.logrotate enabled   inactive timer-activated
nextcloud.mysql    enabled   active   -
nextcloud.nextcloud-cron enabled   active   -
nextcloud.nextcloud-fixer enabled   inactive -
nextcloud.php-fpm  enabled   active   -
nextcloud.redis-server enabled   active   -
nextcloud.renew-certs enabled   active   -
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ config:system:get trusted_domains
localhost
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ config:system:set trusted_domains 1 --value="192.168.100.20"
System config value trusted_domains => 1 set to string 192.168.100.20
nextcloud-admin@srv-nextcloud:~$ _
```

```
nextcloud-admin@srv-nextcloud:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
        inet6 ::1/128 scope host noprefixroute
            valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:00:27:df:b1:68 brd ff:ff:ff:ff:ff:ff
        inet 192.168.100.20/24 brd 192.168.100.255 scope global enp0s3
            valid_lft forever preferred_lft forever
        inet6 fe80::a00:27ff:fedf:b168/64 scope link
            valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:00:27:70:31:f0 brd ff:ff:ff:ff:ff:ff
        inet 10.13.10.234/16 metric 100 brd 10.13.255.255 scope global dynamic enp0s8
            valid_lft 6241sec preferred_lft 6241sec
        inet6 fe80::a00:27ff:fe70:31f0/64 scope link
            valid_lft forever preferred_lft forever
nextcloud-admin@srv-nextcloud:~$ sudo nextclou_
```

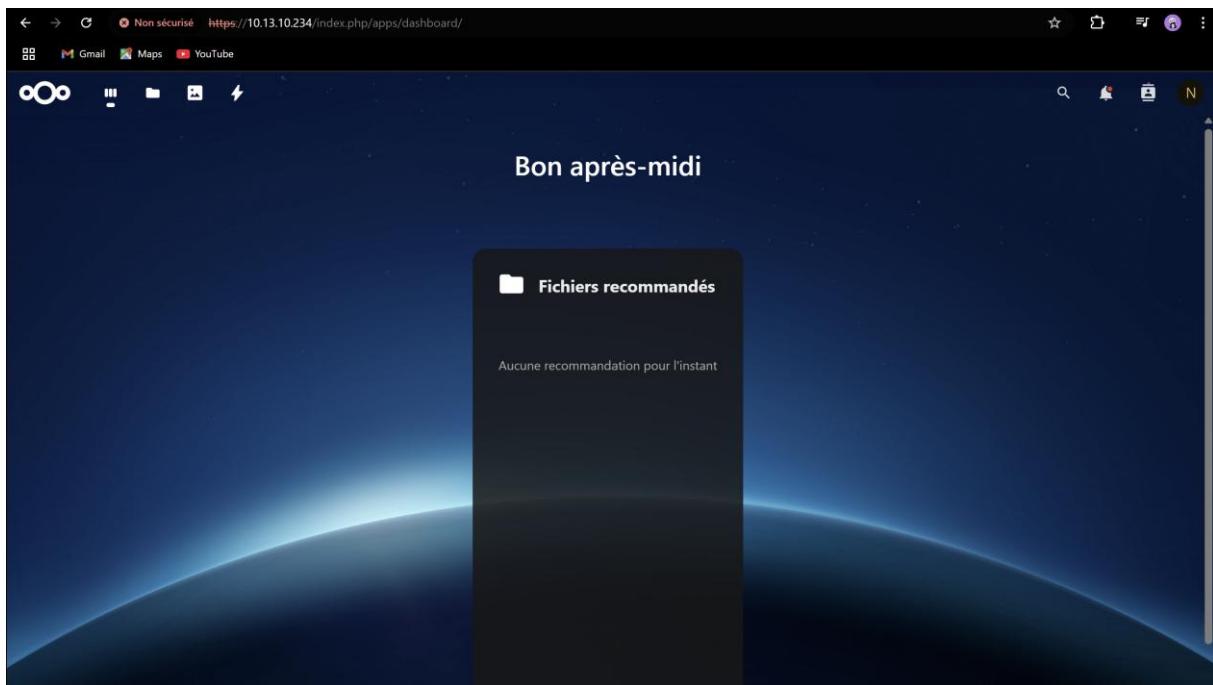
```
nextcloud-admin@srv-nextcloud:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
        inet6 ::1/128 scope host noprefixroute
            valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:00:27:df:b1:68 brd ff:ff:ff:ff:ff:ff
        inet 192.168.100.20/24 brd 192.168.100.255 scope global enp0s3
            valid_lft forever preferred_lft forever
        inet6 fe80::a00:27ff:fedf:b168/64 scope link
            valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:00:27:70:31:f0 brd ff:ff:ff:ff:ff:ff
        inet 10.13.10.234/16 metric 100 brd 10.13.255.255 scope global dynamic enp0s8
            valid_lft 6241sec preferred_lft 6241sec
        inet6 fe80::a00:27ff:fe70:31f0/64 scope link
            valid_lft forever preferred_lft forever
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ config:system:set trusted_domains 2 --value=10.13.10.234
[sudo] password for nextcloud-admin:
System config value trusted_domains => 2 set to string 10.13.10.234
nextcloud-admin@srv-nextcloud:~$ _
```

Puis, sudo systemctl restart snap.nextcloud.apache

Recharger la page



```
user-admin@srv-cloud-ad:~$ sudo samba-tool user create alice Karesh2003
User 'alice' added successfully
user-admin@srv-cloud-ad:~$
```



✓ Étapes pour activer LDAP dans Nextcloud (version Snap) :

1.

```
sudo nextcloud.occ app:enable user_ldap
```

```
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ app:enable user_ldap
user_ldap 1.21.0 enabled
nextcloud-admin@srv-nextcloud:~$ _
```

```
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ app:list | grep ldap
- user_ldap: 1.21.0
nextcloud-admin@srv-nextcloud:~$
```

```
nextcloud-admin@srv-nextcloud:~$ sudo nextcloud.occ user:add Alice
Enter password:
Confirm password:
The account "Alice" was created successfully
nextcloud-admin@srv-nextcloud:~$
```

The screenshot shows the NextCloud Admin interface. On the left, there's a sidebar with buttons for 'Nouveau compte' (New account), 'Tous les comptes' (2), 'Administrateurs' (1), 'Récemment actifs' (1), and 'Groupes'. The main area displays a table of users:

	Nom d'affichage	Nom du compte	Mot de passe	E-mail	Groupes
A	Alice				
N	nexcloud-admin	nexcloud-admin			admin

Below the table, it says '2 accounts'.