NextCloud Usage instructions:

Launch the product via 1-click from AWS Marketplace. **Wait** until the instance status changes to 'Running' and passes all health checks. Then, connect to your instance using your Amazon private key and the '**ubuntu**' user."

To update software, use: **sudo apt update**

Wait ~2–5 minutes for first-boot to finish.

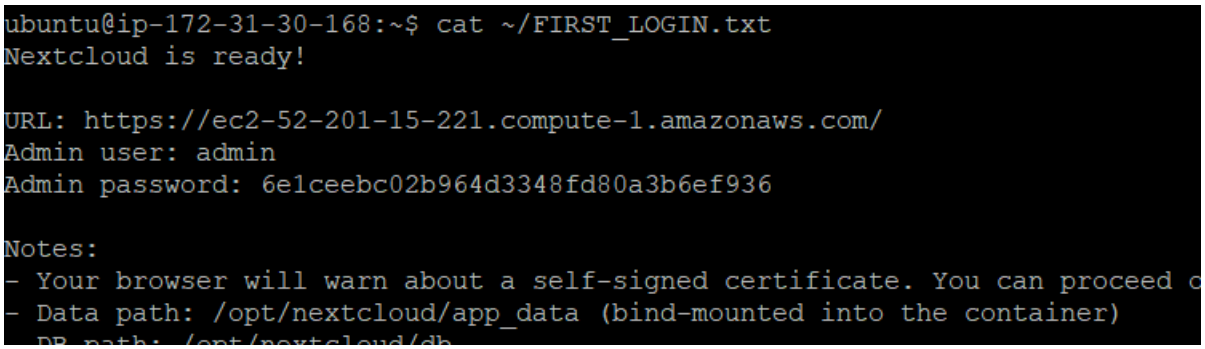
1. **Get your admin credentials**

SSH in and read the first-login file and run

cat ~/FIRST_LOGIN.txt

You'll see:

- URL
- Admin username (admin)
- Admin password (randomly generated)
- For example:



2. **Sign in**

Open: **https://Your_Public_IP/**

- Your browser will warn about a **self-signed** certificate. Proceed.
- Sign in with the credentials from FIRST_LOGIN.txt. ***(above)***
- Immediately change the admin password: **Settings** → **Security**.

<u>Optional:</u> Use a real domain + Let's Encrypt

1. Point your DNS **A record** (e.g., cloud.example.com) to **You_Public_IP**
2. SSH to the instance and follow the helper:

cat /home/ubuntu/LETS_ENCRYPT.md

Quick version:

sudo apt-get update && sudo apt-get install -y certbot

sudo certbot certonly --standalone -d cloud.example.com --non-interactive --agree-tos -m you@example.com

Replace the self-signed cert with the real one:

sudo cp /etc/letsencrypt/live/cloud.example.com/fullchain.pem /opt/nextcloud/certs/fullchain.pem

sudo cp /etc/letsencrypt/live/cloud.example.com/privkey.pem /opt/nextcloud/certs/privkey.pem

sudo chown root:root /opt/nextcloud/certs/*.pem && sudo chmod 600 /opt/nextcloud/certs/privkey.pem

sudo systemctl reload nginx

3. Add your domain to **trusted_domains** (first boot added the IP; add the hostname too):

cd /opt/nextcloud/compose

docker compose ps -q nextcloud | xargs -I{} docker exec -u www-data {} php occ config:system:set trusted_domains 2 --value=cloud.example.com

Now use **https://cloud.example.com/**.

Where stuff lives (for users)

- Files: **/opt/nextcloud/app_data (bind-mounted to /var/www/html)**
- Config: **/opt/nextcloud/config**
- Database: **/opt/nextcloud/db**
- Compose files: **/opt/nextcloud/compose**
- Nginx vhost: **/etc/nginx/sites-available/nextcloud.conf**
- TLS certs in use by Nginx: **/opt/nextcloud/certs/**

AWS Data

- Data Encryption Configuration: This solution does not encrypt data within the running instance.
- User Credentials are stored: /root/.ssh/authorized_keys & /home/ubuntu/.ssh/authorized_keys
- Monitor the health:
    - Navigate to your Amazon EC2 console and verify that you're in the correct region.
    - Choose Instance and select your launched instance.
    - Select the server to display your metadata page and choose the Status checks tab at the bottom of the page to review if your status checks passed or failed.

Extra Information: (Optional)

Allocate Elastic IP

To ensure that your instance **keeps its IP during restarts** that might happen, configure an Elastic IP. From the EC2 console:

1. Select ELASTIC IPs.
2. Click on the ALLOCATE ELASTIC IP ADDRESS.
3. Select the default (Amazon pool of IPv4 addresses) and click on ALLOCATE.
4. From the ACTIONS pull down, select ASSOCIATE ELASTIC IP ADDRESS.
5. In the box that comes up, note down the Elastic IP Address, which will be needed when you configure your DNS.
6. In the search box under INSTANCE, click and find your INSTANCE ID and then click ASSOCIATE.
7. Your instance now has an elastic IP associated with it.
8. For additional help: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html