provide me step for nextclould , does it open sourace and free

Yes, **Nextcloud is completely free and open source**. It operates under the AGPLv3 license, meaning anyone can download, install, use, modify, and distribute the software without paying anything. The source code is freely available with no exploits, backdoors, or hidden features. There are optional paid Enterprise Plans for large organizations requiring dedicated 24/7 support and advanced compliance features, but the core software remains entirely free for self-hosting. [1] [2]

Complete Step-by-Step Nextcloud Setup

Step 1: Create Project Directory

Create a dedicated directory for your Nextcloud installation: [3]

```
mkdir -p /docker/nextcloud
cd /docker/nextcloud
```

Step 2: Create Environment Variables File

Create a `.env` file to store sensitive credentials securely: [3]

```
nano .env
```

Add these environment variables with your own strong passwords: [3]

```
NEXTCLOUD_ADMIN_USER=admin
NEXTCLOUD_ADMIN_PASSWORD=your_secure_admin_password
MYSQL_ROOT_PASSWORD=your_secure_root_password
MYSQL_PASSWORD=your_secure_db_password
MYSQL_DATABASE=nextcloud
MYSQL_USER=nextcloud
```

Step 3: Create Docker Compose File

Create the `docker-compose.yml` file:[3]

```
nano docker-compose.yml
```

Add this configuration:[3]

```yaml
version: '3'

volumes:
  nextcloud_data:
  db_data:

networks:
  nextcloud_network:
    driver: bridge

services:
  db:
    image: mariadb:10.6
    container_name: nextcloud_db
    hostname: nextcloud_db
    restart: unless-stopped
    command: --transaction-isolation=READ-COMMITTED --log-bin=binlog --binlog-format=ROW
    environment:
      - MYSQL_ROOT_PASSWORD=${MYSQL_ROOT_PASSWORD}
      - MYSQL_PASSWORD=${MYSQL_PASSWORD}
      - MYSQL_DATABASE=${MYSQL_DATABASE}
      - MYSQL_USER=${MYSQL_USER}
    volumes:
      - db_data:/var/lib/mysql
    networks:
      - nextcloud_network

  nextcloud:
    image: nextcloud:latest
    container_name: nextcloud
    hostname: nextcloud
    restart: unless-stopped
    ports:
      - "8080:80"
    depends_on:
      - db
    environment:
      - MYSQL_HOST=db
      - MYSQL_DATABASE=${MYSQL_DATABASE}
      - MYSQL_USER=${MYSQL_USER}
      - MYSQL_PASSWORD=${MYSQL_PASSWORD}
      - NEXTCLOUD_ADMIN_USER=${NEXTCLOUD_ADMIN_USER}
      - NEXTCLOUD_ADMIN_PASSWORD=${NEXTCLOUD_ADMIN_PASSWORD}
    volumes:
      - nextcloud_data:/var/www/html
```

```
      networks:
        - nextcloud_network
```

Step 4: Update System Packages

Ensure your system is up to date:[4]

```
sudo apt update && sudo apt upgrade -y
```

Step 5: Verify Docker Installation

Check that Docker and Docker Compose are installed:[4]

```
systemctl is-active docker
docker-compose --version
```

If not installed, install Docker first.

Step 6: Deploy Nextcloud

Start the containers in detached mode:[4]

```
docker-compose up -d
```

This will download the necessary images and start both the MariaDB database and Nextcloud containers.[4]

Step 7: Verify Containers are Running

Check that all containers are running properly:[4]

```
docker ps
```

You should see both `nextcloud` and `nextcloud_db` containers running.[4]

Check the volumes:[4]

```
docker volume ls
docker volume inspect nextcloud_nextcloud_data
docker volume inspect nextcloud_db_data
```

Step 8: Access Nextcloud Web Interface

Open your web browser and navigate to:[4]

```
http://your_server_IP:8080
```

Or if you're running locally:

```
http://localhost:8080
```

The Nextcloud setup page will appear where you can complete the initial configuration.[4]

Step 9: Complete Initial Setup

On the web interface, you'll see your admin credentials already configured (from the environment variables). Simply verify the database settings and click through the setup wizard. [4]

What You Get with Nextcloud

Nextcloud provides a complete self-hosted cloud platform that replaces multiple services:[5]

- **File sync and sharing** across all devices and platforms[5]
- **Calendars, tasks, and contacts** with CalDAV/CardDAV support[5]
- **Real-time document editing** (alternative to Google Docs)[5]
- **Built-in chat and video calls** (Zoom/Slack replacement)[5]
- **Notes and whiteboards** for collaboration[5]
- **Built-in mail client** integration[5]
- **End-to-end encryption** with GDPR compliance[5]
- **Mobile apps** for iOS and Android[5]

Managing Your Installation

To stop the containers:

```
docker-compose down
```

To update Nextcloud:

```
docker-compose pull
docker-compose up -d
```

To view logs:

```
docker-compose logs -f nextcloud
```

This setup gives you a fully functional, self-hosted cloud storage solution with complete data sovereignty and privacy control. [2] [5]

<div align="center">⁂</div>

1. https://nextcloud.com
2. https://www.vpsbg.eu/blog/open-source-software-review-nextcloud
3. https://vkttech.com/how-to-install-nextcloud-using-docker-a-step-by-step-guide/
4. https://www.cherryservers.com/blog/install-nextcloud-docker
5. https://accuweb.cloud/blog/nextcloud-best-alternative-to-google-drive-icloud/
6. https://github.com/ezy/nextcloud-pg-docker
7. https://nextcloud.com/sign-up/
8. https://nextcloud.com/pricing/
9. https://nextcloud.com/files/
10. https://help.nextcloud.com/t/suggestion-for-the-installation-process-in-docker-compose/190035