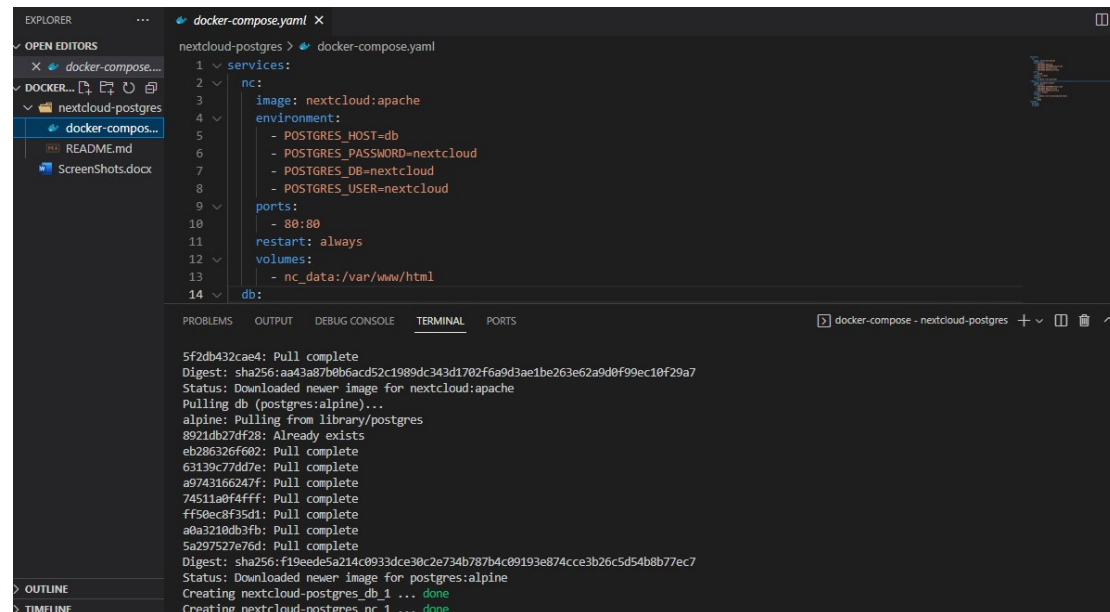


Compose sample application

Nextcloud with Postgres database with Docker Compose

During Deployment

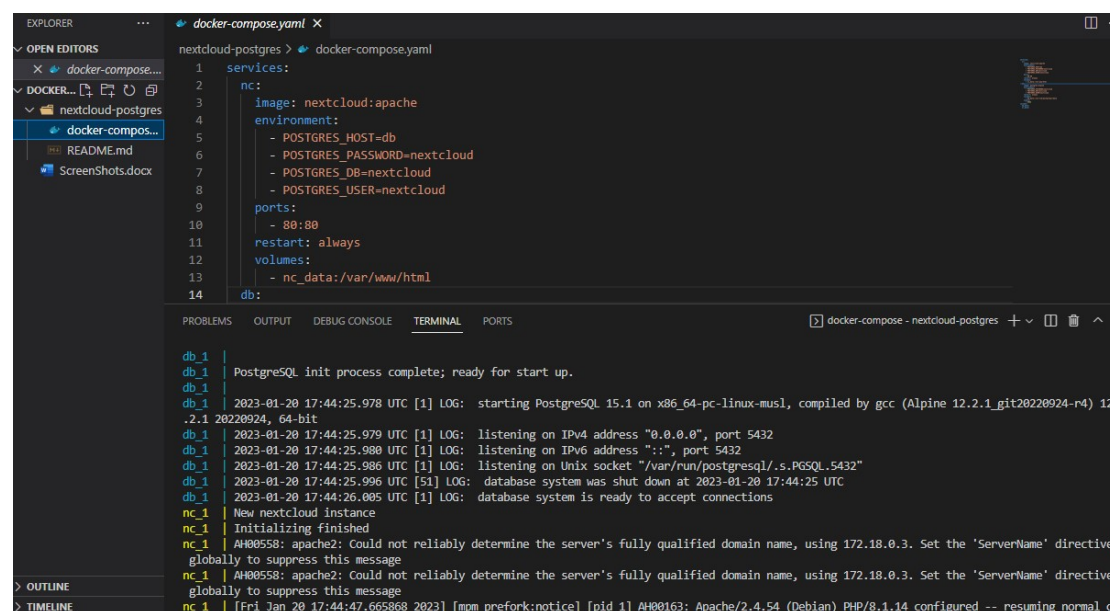


The screenshot shows the VS Code interface with the `docker-compose.yml` file open. The file defines two services: `nc` (Nextcloud) and `db` (PostgreSQL). The `nc` service uses the `nextcloud/apache` image and sets environment variables for database connection. The `db` service uses the `postgres:alpine` image. The terminal output shows the progress of pulling and creating these containers.

```
nextcloud-postgres > docker-compose.yml
1 services:
2   nc:
3     image: nextcloud/apache
4     environment:
5       - POSTGRES_HOST=db
6       - POSTGRES_PASSWORD=nextcloud
7       - POSTGRES_DB=nextcloud
8       - POSTGRES_USER=nextcloud
9     ports:
10      - 80:80
11     restart: always
12     volumes:
13      - nc_data:/var/www/html
14   db:
```

5f2db432cae4: Pull complete
Digest: sha256:aa43a87b0b6acd52c1989dc343d1702f6a9d3ae1be263e62a9d0f9ec10f29a7
Status: Downloaded newer image for nextcloud/apache
Pulling db (postgres:alpine)...
alpine: Pulling from library/postgres
8921db27df28: Already exists
eb286326f602: Pull complete
63139c77dd7e: Pull complete
a9743166247f: Pull complete
74511a0f4fff: Pull complete
ff50ec8f35d1: Pull complete
a0a3210db3fb: Pull complete
5a297527e76d: Pull complete
Digest: sha256:f19eedsa214c0933dce30c2e734b787b4c09193e874cce3b26c5d54b8b77ec7
Status: Downloaded newer image for postgres:alpine
Creating nextcloud-postgres_db_1 ... done
Creating nextcloud-postgres_nc_1 ... done

After Deployment



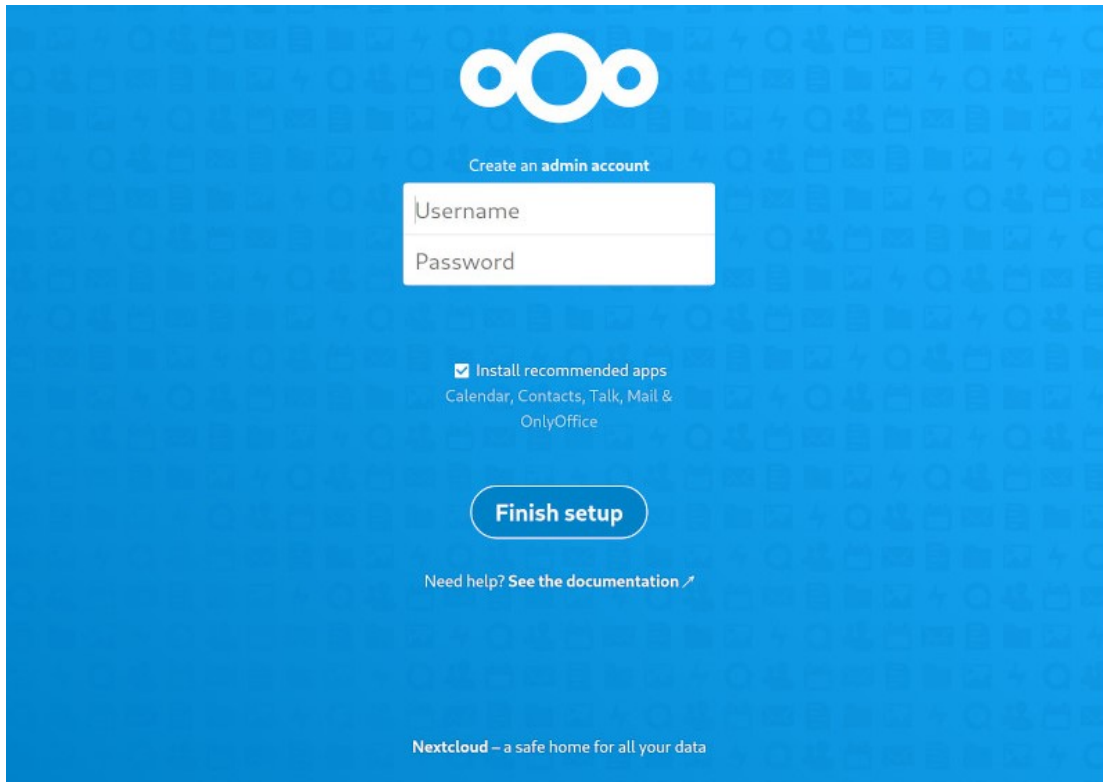
The screenshot shows the VS Code interface with the `docker-compose.yml` file open. The terminal output shows the logs for the `db_1` and `nc_1` containers, indicating that the PostgreSQL database is ready and the Nextcloud instance is initialized.

```
nextcloud-postgres > docker-compose.yml
1 services:
2   nc:
3     image: nextcloud/apache
4     environment:
5       - POSTGRES_HOST=db
6       - POSTGRES_PASSWORD=nextcloud
7       - POSTGRES_DB=nextcloud
8       - POSTGRES_USER=nextcloud
9     ports:
10      - 80:80
11     restart: always
12     volumes:
13      - nc_data:/var/www/html
14   db:
```

db_1 | PostgreSQL init process complete; ready for start up.
db_1 |
db_1 | 2023-01-20 17:44:25.978 UTC [1] LOG: starting PostgreSQL 15.1 on x86_64-pc-linux-musl, compiled by gcc (Alpine 12.2.1_git20220924-r4) 12
db_1 | .2.1 20220924, 64-bit
db_1 | 2023-01-20 17:44:25.979 UTC [1] LOG: listening on IPv4 address "0.0.0.0", port 5432
db_1 | 2023-01-20 17:44:25.980 UTC [1] LOG: listening on IPv6 address "::", port 5432
db_1 | 2023-01-20 17:44:25.986 UTC [1] LOG: listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
db_1 | 2023-01-20 17:44:25.996 UTC [51] LOG: database system was shut down at 2023-01-20 17:44:25 UTC
db_1 | 2023-01-20 17:44:26.005 UTC [1] LOG: database system is ready to accept connections
nc_1 | New nextcloud instance
nc_1 | Initializing finished
nc_1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.3. Set the 'ServerName' directive
nc_1 | globally to suppress this message
nc_1 | AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.18.0.3. Set the 'ServerName' directive
nc_1 | globally to suppress this message
nc_1 | [Fri Jan 20 17:44:47.665868 2023] [mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.54 (Debian) PHP/8.1.14 configured -- resuming normal o

The Application is running...

```
[ec2-user@docker-instance nextcloud-postgres]$ docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
de0092205b35  nextcloud:apache  "/entrypoint.sh apac..." 21 minutes ago Up 21 minutes 0.0.0.0:80->80/tcp, :::80->80/tcp  nextcloud-postgres_nc_
1
d2a201df3419  postgres:alpine  "docker-entrypoint.s..." 21 minutes ago Up 21 minutes  5432/tcp                nextcloud-postgres_db_
1
[ec2-user@docker-instance nextcloud-postgres]$
```



The image shows the Nextcloud installation setup screen. At the top is the Nextcloud logo. Below it is the heading "Create an admin account". There are two input fields: "Username" and "Password". Below these fields is a checkbox labeled "Install recommended apps" which is checked. Underneath the checkbox, the text "Calendar, Contacts, Talk, Mail & OnlyOffice" is displayed. A large blue button labeled "Finish setup" is centered below the checkbox. At the bottom of the screen, there is a link "Need help? See the documentation" with an external link icon. The footer text reads "Nextcloud – a safe home for all your data".

Create an admin account

Username

Password

☒ Install recommended apps
Calendar, Contacts, Talk, Mail & OnlyOffice

Finish setup

Need help? [See the documentation](#)

Nextcloud – a safe home for all your data