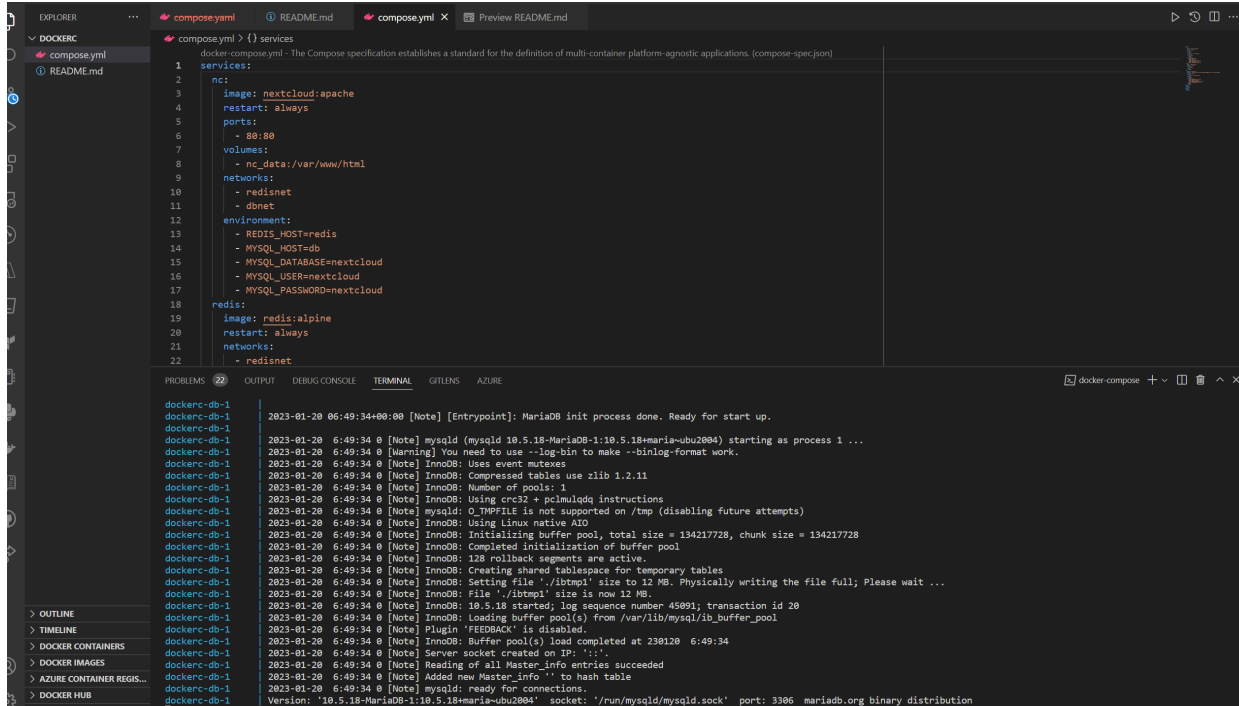


Nextcloud Application

Nextcloud-Redis and MariaDB with Docker Compose

During Deployment



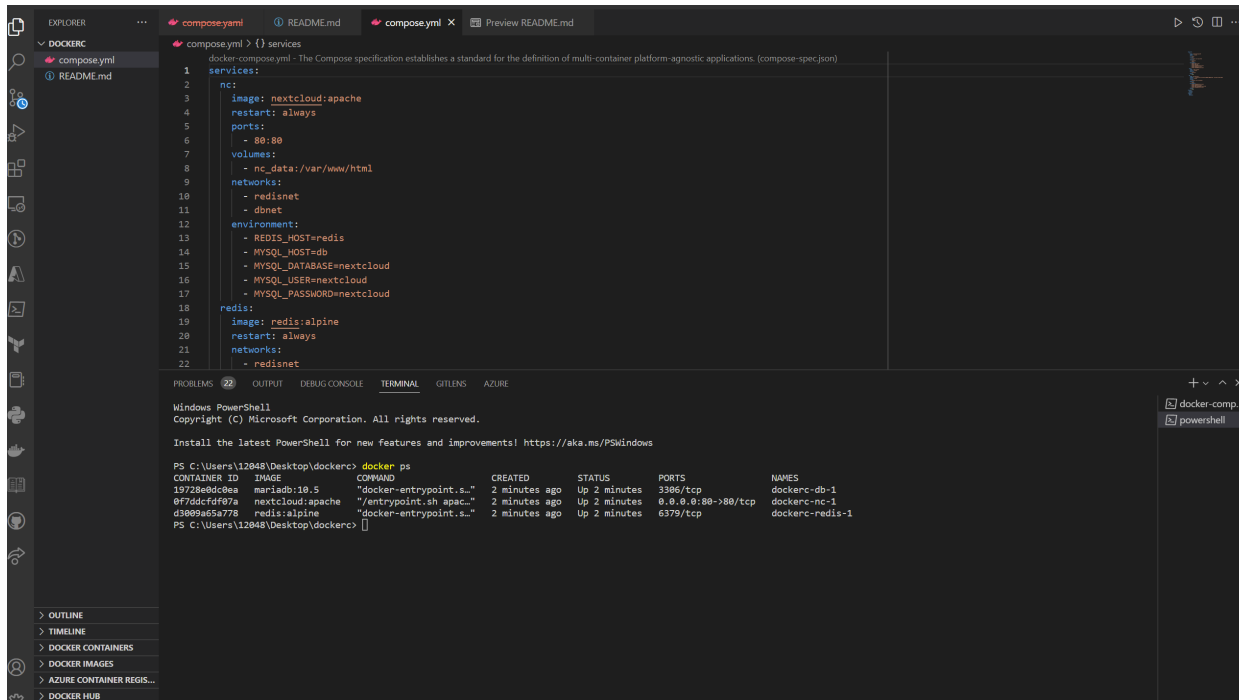
The screenshot shows the VS Code interface with the Docker Compose file open in the Explorer and the Terminal window displaying the deployment logs. The logs show the initialization of MariaDB and the startup of the Nextcloud application.

```
1 services:
2   nc:
3     image: nextcloud/apache
4     restart: always
5     ports:
6       - 80:80
7     volumes:
8       - nc_data:/var/www/html
9     networks:
10      - redisnet
11      - dbnet
12     environment:
13       - REDIS_HOST=redis
14       - MYSQL_HOST=db
15       - MYSQL_DATABASE=nextcloud
16       - MYSQL_USER=nextcloud
17       - MYSQL_PASSWORD=nextcloud
18   redis:
19     image: redis:alpine
20     restart: always
21     networks:
22      - redisnet
```

Terminal Output:

```
dockerc-db-1 2023-01-20 06:49:34+00:00 [Note] [Entrypoint]: MariaDB init process done. Ready for start up.
dockerc-db-1 2023-01-20 06:49:34 0 [Note] mysqld (mysqld 10.5.18-MariaDB-1:10.5.18-maria-ubu2004) starting as process 1 ...
dockerc-db-1 2023-01-20 06:49:34 0 [Warning] You need to use --log-bin to make --binlog-format work.
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Uses event mutexes
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Compressed tables use zlib 1.2.11
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Number of pools: 1
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Using crc32 + pclmulqdq instructions
dockerc-db-1 2023-01-20 06:49:34 0 [Note] mysqld: O_TMPFILE is not supported on /tmp (disabling future attempts)
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Using Linux native AIO
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Creating shared tablespace for temporary tables
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Initializing buffer pool, total size = 134217728, chunk size = 134217728
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Completed initialization of buffer pool
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: 128 rollback segments are active.
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Loading buffer pool(s) from /var/lib/mysql/ib_buffer_pool
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Reading of all Master_info entries succeeded
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Plugin 'FEEDBACK' is disabled.
dockerc-db-1 2023-01-20 06:49:34 0 [Note] InnoDB: Buffer pool(s) load completed at 230120 6:49:34
dockerc-db-1 2023-01-20 06:49:34 0 [Note] Server socket created on IP: '::'.
dockerc-db-1 2023-01-20 06:49:34 0 [Note] Reading of all Master_info entries succeeded
dockerc-db-1 2023-01-20 06:49:34 0 [Note] Added new Master info "" to hash table
dockerc-db-1 2023-01-20 06:49:34 0 [Note] mysqld: ready for connections.
dockerc-db-1 Version: '10.5.18-MariaDB-1:10.5.18-maria-ubu2004' socket: '/run/mysqld/mysqld.sock' port: 3306 mariaDB.org binary distribution
```

After Deployment



The screenshot shows the VS Code interface with the Docker Compose file open in the Explorer and the Terminal window displaying the deployment logs. The logs show the initialization of MariaDB and the startup of the Nextcloud application.

```
1 services:
2   nc:
3     image: nextcloud/apache
4     restart: always
5     ports:
6       - 80:80
7     volumes:
8       - nc_data:/var/www/html
9     networks:
10      - redisnet
11      - dbnet
12     environment:
13       - REDIS_HOST=redis
14       - MYSQL_HOST=db
15       - MYSQL_DATABASE=nextcloud
16       - MYSQL_USER=nextcloud
17       - MYSQL_PASSWORD=nextcloud
18   redis:
19     image: redis:alpine
20     restart: always
21     networks:
22      - redisnet
```

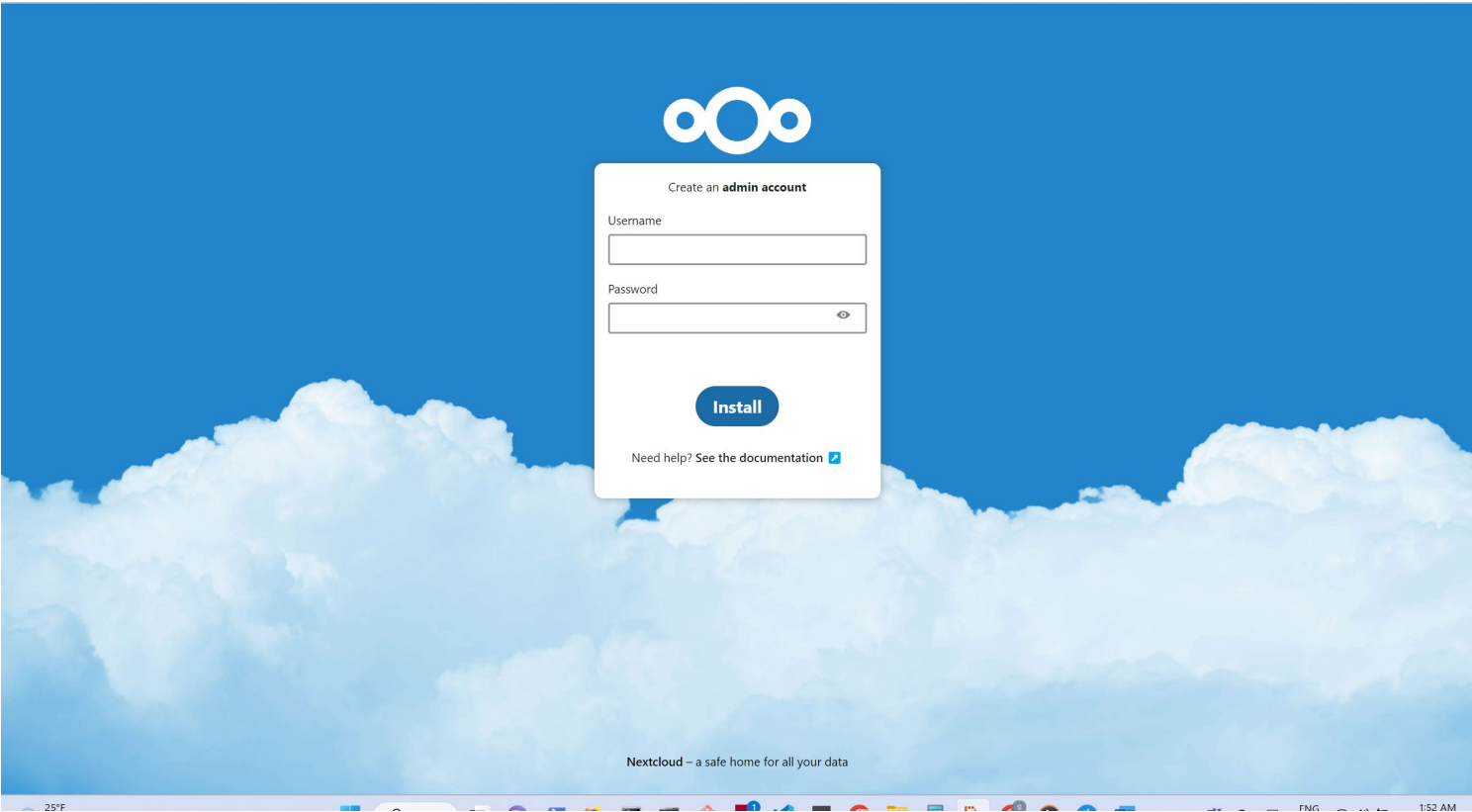
Terminal Output:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\12048\Desktop\dockerc> docker ps
CONTAINER ID   IMAGE               COMMAND                  CREATED    STATUS    PORTS    NAMES
19728edcbea   mariadb:10.5       "docker-entrypoint.s..." 2 minutes ago Up 2 minutes 3306/tcp    dockerc-db-1
0f72dcf4f07a   nextcloud:apache   "/entrypoint.sh apac..." 2 minutes ago Up 2 minutes 80:80->80/tcp    dockerc-nc-1
3d009a65a778   redis:alpine       "docker-entrypoint.s..." 2 minutes ago Up 2 minutes 6379/tcp    dockerc-redis-1
PS C:\Users\12048\Desktop\dockerc> ]
```

The Application



User Logs

EXPLORER

compose.yaml

README.md

Screenshot 2023-01-2...

compose.yaml

Preview README.md

compose.yaml > {} services

docker-compose.yml - The Compose specification establishes a standard for the definition of multi-container platform-agnostic applications. (compose-spec/json)

```
1 services:
2   nc:
3     image: nextcloud:apache
4     restart: always
5     ports:
6       - 80:80
7     volumes:
8       - nc_data:/var/www/html
9     networks:
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12   environment:
13     - REDIS_HOST=redis
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17     - MYSQL_PASSWORD=nextcloud
18   redis:
19     image: redis:alpine
20     restart: always
21     networks:
22      - redisnet
```

PROBLEMS 22

OUTPUT

DEBUG CONSOLE

TERMINAL

GIT LENS

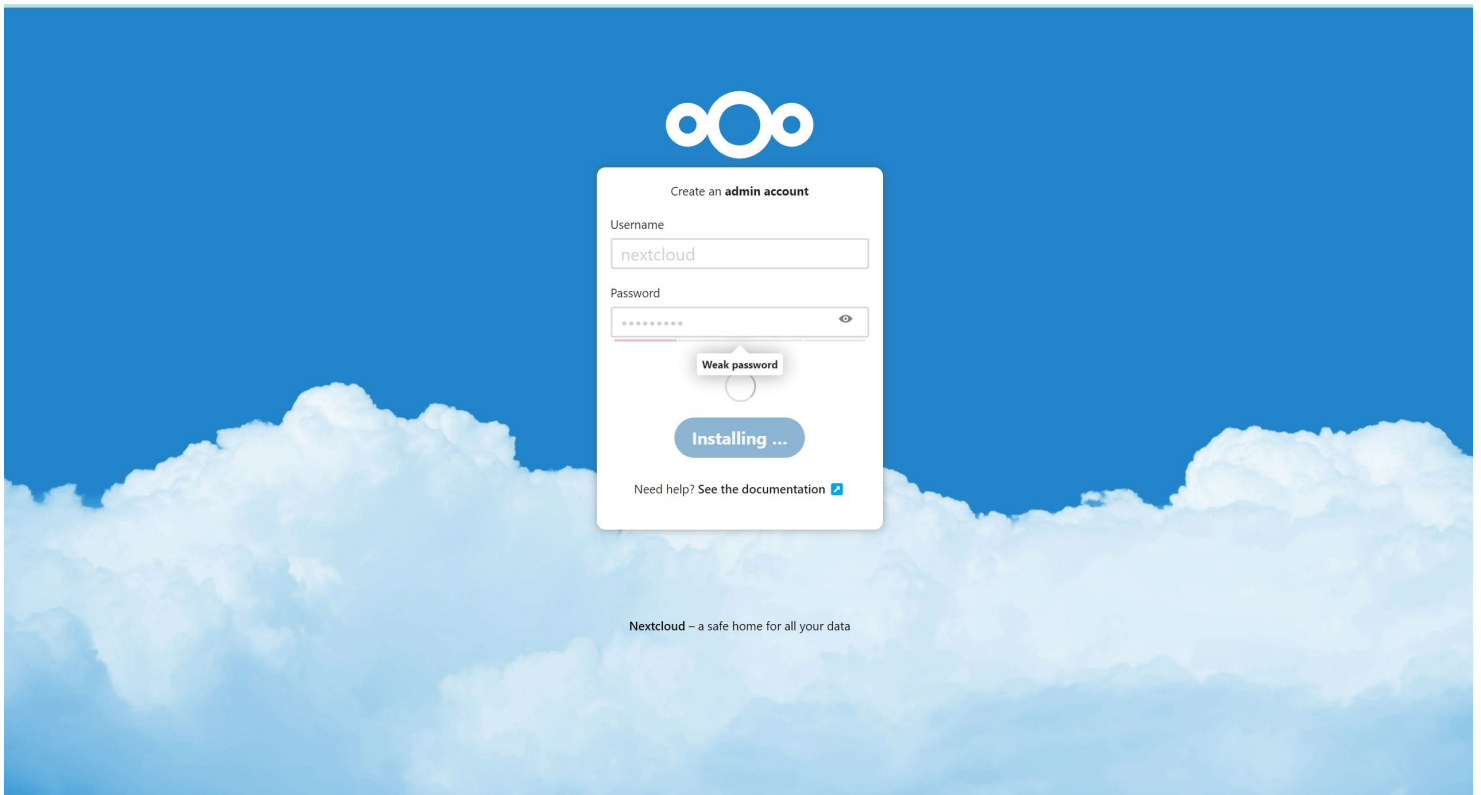
AZURE

```
dockerc-nc-1 | 172.23.0.1 - - [20/Jan/2023:06:52:23 +0000] "GET / HTTP/1.1" 200 3273 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/109.0.0.0 Safari/537.36"
dockerc-nc-1 | 172.23.0.1 - - [20/Jan/2023:06:53:15 +0000] "-" 408 0 "-" "-"
```

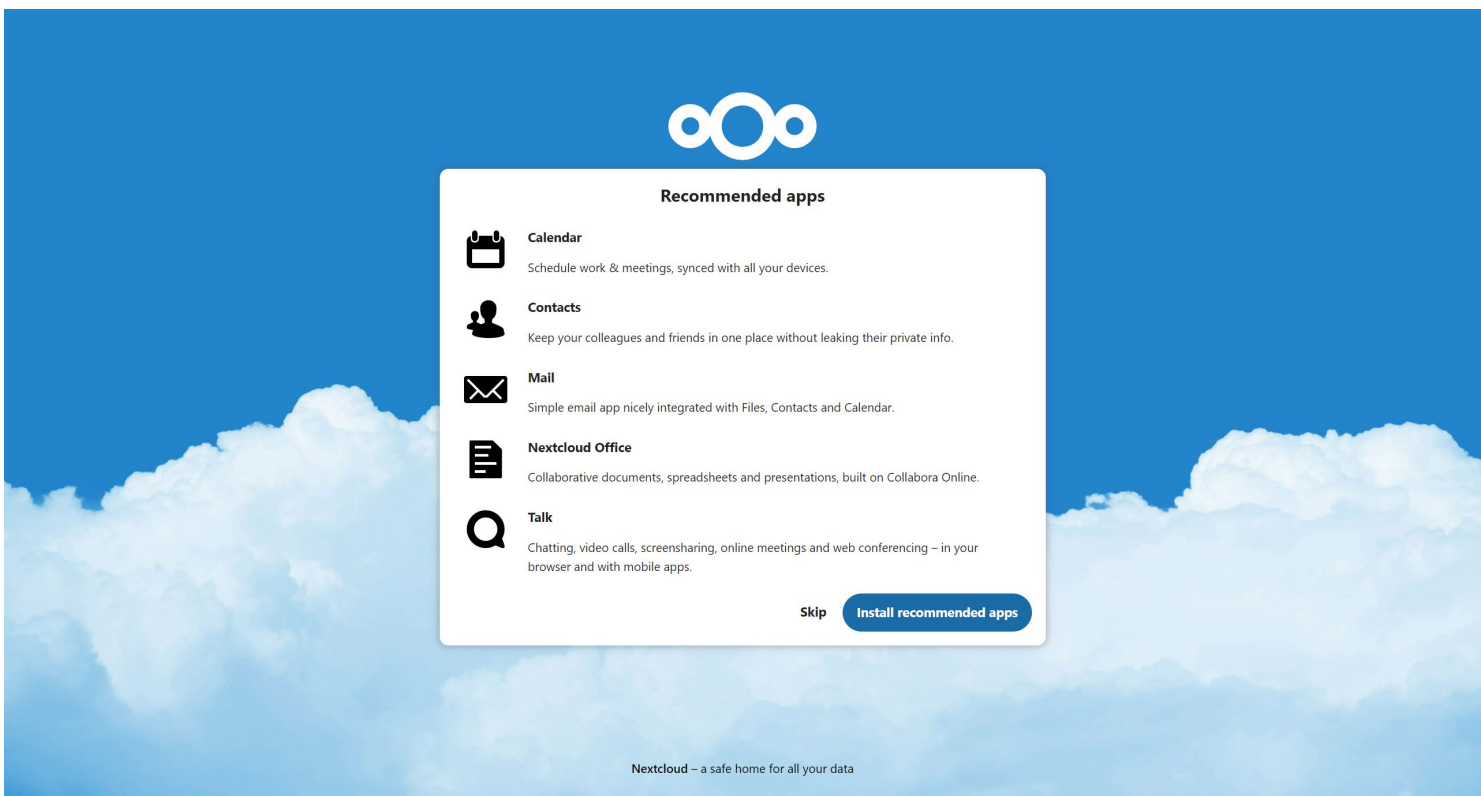
docker-comp...

powershell

During Login



After Login



In The Application

