New Item

Add Item

- ☐ Hello 🗑
- ☐ Hi 🗑

docker

Containers / Apps

Images

Volumes

Dev Environments **PREVIEW**

Search...

centos7 86421210/repo...
EXITED (255)   PORT: 3000

inspiring_cori 86421210/getti...
RUNNING   PORT: 3000

Images on disk

3 images   Total size: 1.29 GB   IN USE   UNUSED

LOCAL   REMOTE REPOSITORIES

🔍 Search   ☐ In Use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
86421210/getting-started	IN USE	latest	6aa2e513407a	4 minutes ago	455.6 MB
86421210/repository	IN USE	versionTag	6a0f9705db24	about 23 hours ago	832.55 MB
repository	IN USE	versionTag	6a0f9705db24	about 23 hours ago	832.55 MB

File Edit Selection View Go Run Terminal Help

EXPLORER

JS app.js   U   🐳 Dockerfile U ✕   🐳 docker-compose.yml U

∨ OPEN EDITORS
  JS app.js app\src\static\js   U
  ✕ 🐳 Dockerfile app   U
  🐳 docker-compose.yml app   U

∨ GETTING-STARTED-MASTER
∨ .github \ workflows
 ! build.yml   U
∨ app
 > node_modules
 > spec
∨ src
 > persistence
 > routes
∨ static
 > css
∨ js
 JS app.js   U
 JS babel.min.js   U
 JS react-bootstrap.js   U
 JS react-dom.production.min... U
 JS react.production.min.js   U
 <> index.html   U
 JS index.js   U
 🐳 docker-compose.yml   U
 🐳 Dockerfile   U
 {} package.json   U
 🔒 yam.lock   U
∨ docs
 > css
 > fonts
 > images
 > tutorial
 📘 index.md   U

> OUTLINE

app > 🐳 Dockerfile

```dockerfile
1    # syntax=docker/dockerfile:1
2    FROM node:12-alpine
3    RUN apk add --no-cache python2 g++ make
4    WORKDIR /app
5    COPY . .
6    RUN yarn install --production
7    CMD ["node", "src/index.js"]
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   ▷ docker + ∨ ⊓ 🗑 ∧

```
=> => sha256:42399d4635eddd7a9b8a24be879d2f9a930d0ed040a61324cfdf59ef1357b3b2 2.00kB / 2.00kB                      0.0s
=> => sha256:e532695ddd93ca7c85a816c67afdb352e91052fab7ac19a675088f80915779a7 1.21kB / 1.21kB                      0.0s
=> => sha256:24a639a53085eb680e1d11618ac62f3977a3926fedf5b8471ace519b8c778030 9.67MB / 9.67MB                      5.9s
=> => extracting sha256:24a639a53085eb680e1d11618ac62f3977a3926fedf5b8471ace519b8c778030                           2.0s
=> [internal] load build definition from Dockerfile                                                                0.0s
=> [internal] load .dockerignore                                                                                   0.0s
=> [internal] load metadata for docker.io/library/node:12-alpine                                                   7.7s
=> [1/5] FROM docker.io/library/node:12-alpine@sha256:c3e7817c8fd124f1597cd66124d247db8e138e8ef311ba085b7104d900129d0b   46.6s
=> => resolve docker.io/library/node:12-alpine@sha256:c3e7817c8fd124f1597cd66124d247db8e138e8ef311ba085b7104d900129d0b   0.3s
=> => sha256:c3e7817c8fd124f1597cd66124d247db8e138e8ef311ba085b7104d900129d0b 1.43kB / 1.43kB                      0.0s
=> => sha256:5cbf7b125ab0155df10b7fc86252b000d8b01c508da39c069a0c3d07db03a673 1.16kB / 1.16kB                      0.0s
=> => sha256:8a6e486e98173d6c728ad9e34562109b0a6c1911863a6c900e689c5e6373f065a6 6.53kB / 6.53kB                    0.0s
=> => sha256:59bf1c3509f33515622619af21ed55bbe26d24913cedbca106468a5fb37a50c3 2.82MB / 2.82MB                      4.8s
=> => sha256:56ea1bcfc51681a204ae05c69001c5b7d72bf091d2bfa06f18db72f388ab7494 24.94MB / 24.94MB                    15.9s
=> => sha256:55284a5c72ce1ed6a1c6a6601d67bdabdb0fa7d111921adca44238fdb08c71af 2.37MB / 2.37MB                      6.2s
=> => extracting sha256:59bf1c3509f33515622619af21ed55bbe26d24913cedbca106468a5fb37a50c3                           1.6s
=> => sha256:a9867c4969ebe6a7af9f0066c7b4fbdd083d658335b83c57c57f368abb43de92 453B / 453B                          6.6s
=> => extracting sha256:56ea1bcfc51681a204ae05c69001c5b7d72bf091d2bfa06f18db72f388ab7494                           12.7s
=> => extracting sha256:55284a5c72ce1ed6a1c6a6601d67bdabdb0fa7d111921adca44238fdb08c71af                           1.7s
=> => extracting sha256:a9867c4969ebe6a7af9f0066c7b4fbdd083d658335b83c57c57f368abb43de92                           0.0s
=> [internal] load build context                                                                                  168.1s
=> => transferring context: 58.79MB                                                                               166.1s
=> [2/5] RUN apk add --no-cache python2 g++ make                                                                   48.6s
=> [3/5] WORKDIR /app                                                                                              3.6s
=> [4/5] COPY . .                                                                                                 13.9s
=> [5/5] RUN yarn install --production                                                                             89.2s
=> exporting to image                                                                                            12.5s
=> => exporting layers                                                                                           12.1s
=> => writing image sha256:6aa2e513407a6148ed08f54cc528ea823077c54852dbfd7e9886ffcc590367f0                       0.1s
=> => naming to docker.io/86421210/getting-started                                                                0.1s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\hp\Downloads\getting-started-master\app> docker run -dp 3000:3000 86421210/getting-started
a5718d00e470da75d455f54be59b36d983e307546c6a56e675b0445002e7ab45
```

```
a25da644285e ? ~ ? exit
PS C:\Users\hp\Downloads\getting-started-master\app> docker run -dp 3000:3000 `
>>     -w /app -v "$(pwd):/app" `
>>     --network todo-app `
>>     -e MYSQL_HOST=mysql `
>>     -e MYSQL_USER=root `
>>     -e MYSQL_PASSWORD=secret `
>>     -e MYSQL_DB=todos `
>>     node:12-alpine `
>>     sh -c "yarn install && yarn run dev"
Unable to find image 'node:12-alpine' locally
12-alpine: Pulling from library/node
59bf1c3509f3: Already exists
56ea1bcfc516: Already exists
55284a5c72ce: Already exists
a9867c49b9eb: Already exists
Digest: sha256:c3e7817c8fd124f1597cd66124d247db8e138e8ef311ba085b7104d900129d0b
Status: Downloaded newer image for node:12-alpine
0e828b5d08be4d97f85ab5df6744152f8685a26671c322e52f136ef19f1fce86
PS C:\Users\hp\Downloads\getting-started-master\app> docker ps
CONTAINER ID   IMAGE           COMMAND                CREATED          STATUS          PORTS                     NAMES
0e828b5d08be   node:12-alpine  "docker-entrypoint.s…" About a minute ago Up About a minute 0.0.0.0:3000->3000/tcp  musing_mccarthy
983c612d81d2   mysql:5.7       "docker-entrypoint.s…" 10 minutes ago   Up 10 minutes   3306/tcp, 33060/tcp      zealous_morse
3e84d23dd065   ubuntu          "bash -c 'shuf -i 1-…" 20 minutes ago   Up 20 minutes                            objective_germain
PS C:\Users\hp\Downloads\getting-started-master\app> docker exec -it 983c612d81d2 mysql -p todos
Enter password:
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 5
Server version: 5.7.37 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select * from todo_items;
Empty set (0.00 sec)
```

	New Item	Add Item

- ☑ ~~Books~~ 🗑
- ☐ Pen 🗑
- ☑ ~~Pencil~~ 🗑
- ☐ School 🗑
- ☑ ~~Teacher~~ 🗑

```
PS C:\Users\hp\Downloads\getting-started-master> cd app
>>      --network todo-app --network-alias mysql `
>>      -v todo-mysql-data:/var/lib/mysql `
>>      -e MYSQL_ROOT_PASSWORD=secret `
>>      -e MYSQL_DATABASE=todos `
>>      mysql:5.7
Unable to find image 'mysql:5.7' locally
5.7: Pulling from library/mysql
72a69066d2fe: Pull complete
93619dbc5b36: Pull complete
99da31dd6142: Pull complete
e5c707858ec0: Pull complete
fc41578cbf60: Pull complete
4785d896ef10: Pull complete
7d250cdc93be: Pull complete
2efe6ef3579a: Pull complete
40dc4a5ca43a: Pull complete
cd6f90222f59: Pull complete
031e631e9021: Pull complete
Digest: sha256:66480693e01295d85954bb5dbe2f41f29ebceb57d3d8098ea0c9d201473f2d8b
Status: Downloaded newer image for mysql:5.7
983c612d81d2c4e2d9a6807c65697d3a9cc73e090d2fff0ed25fd3fd3d8056cb
PS C:\Users\hp\Downloads\getting-started-master\app> docker exec -it <mysql-container-id> mysql -u root -p
At line:1 char:17
+ docker exec -it <mysql-container-id> mysql -u root -p
+                 ~
The '<' operator is reserved for future use.
    + CategoryInfo          : ParserError: (:) [], ParentContainsErrorRecordException

PS C:\Users\hp\Downloads\getting-started-master\app> docker ps
CONTAINER ID   IMAGE        COMMAND                  CREATED          STATUS          PORTS                    NAMES
983c612d81d2   mysql:5.7    "docker-entrypoint.s…"   41 seconds ago   Up 25 seconds   3306/tcp, 33060/tcp      zealous_morse
3e84d23dd065   ubuntu       "bash -c 'shuf -i 1-…"   10 minutes ago   Up 10 minutes                            objective_germain
PS C:\Users\hp\Downloads\getting-started-master\app> docker exec -it 3e84d23dd065 mysql -u root -p
OCI runtime exec failed: exec failed: container_linux.go:380: starting container process caused: exec: "mysql": executable file not found in $PATH: unk
nown
PS C:\Users\hp\Downloads\getting-started-master\app> docker exec -it 983c612d81d2 mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.37 MySQL Community Server (GPL)

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```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.37 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| todos              |
+--------------------+
5 rows in set (0.01 sec)

mysql> exit
Bye
PS C:\Users\hp\Downloads\getting-started-master\app> docker run -it --network todo-app nicolaka/netshoot
Unable to find image 'nicolaka/netshoot:latest' locally
latest: Pulling from nicolaka/netshoot
97518928ae5f: Pull complete
09706d35e05d: Pull complete
4996ecc64030: Pull complete
9a11de879aaa: Pull complete
44f8e61e69d1: Pull complete
dcf41a6beeb6: Pull complete
d4d3a508f57b: Pull complete
ca86b0e825d1: Pull complete
7eeba344c2b1: Pull complete
c52dc2d61c4a: Pull complete
d04aa1a002c2: Pull complete
7070cabd1e04: Pull complete
Digest: sha256:d6942ec583d8e2818f5a5d7a71c303e861a70a11396ad9e9d25b355842e97589
Status: Downloaded newer image for nicolaka/netshoot:latest
```

```
                    dP              dP                              dP
                    88              88                              88
88d888b. .d8888b. d8888P .d8888b. 88d888b. .d8888b. .d8888b. d8888P
88'  `88 88ooood8    88   Y8ooooo. 88'  `88 88'  `88 88'  `88    88
dP    dP `88888P'    dP   `88888P' dP    dP `88888P' `88888P'    dP

Welcome to Netshoot! (github.com/nicolaka/netshoot)



  a25da644285e ⬡ ~ ⬡ dig mysql

;; global options: +cmd
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 64753
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 0
;; QUESTION SECTION:
;mysql.                         IN      A

;; ANSWER SECTION:
mysql.                  600     IN      A       172.18.0.2

;; Query time: 730 msec
;; SERVER: 127.0.0.11#53(127.0.0.11)
;; WHEN: Thu Jan 20 10:21:27 UTC 2022
;; MSG SIZE  rcvd: 44
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> select * from todo_items;
Empty set (0.00 sec)

mysql> select * from todo_items;
+--------------------------------------+---------+-----------+
| id                                   | name    | completed |
+--------------------------------------+---------+-----------+
| 55332ad4-07d2-471b-bef1-397544146560 | Books   |         0 |
| 9b8a356c-2d18-453c-a954-833913f02415 | Pen     |         0 |
| 41d92a2b-5c9a-4e65-81aa-7ce5fc134020 | Pencil  |         0 |
| 35e15562-c244-4bbd-baaa-e202f2e23eef | School  |         0 |
| 23392176-c88d-40e4-a90c-2eb86835f7c4 | Teacher |         0 |
+--------------------------------------+---------+-----------+
5 rows in set (0.00 sec)

mysql> select * from todo_items;
+--------------------------------------+---------+-----------+
| id                                   | name    | completed |
+--------------------------------------+---------+-----------+
| 55332ad4-07d2-471b-bef1-397544146560 | Books   |         1 |
| 9b8a356c-2d18-453c-a954-833913f02415 | Pen     |         0 |
| 41d92a2b-5c9a-4e65-81aa-7ce5fc134020 | Pencil  |         1 |
| 35e15562-c244-4bbd-baaa-e202f2e23eef | School  |         0 |
| 23392176-c88d-40e4-a90c-2eb86835f7c4 | Teacher |         1 |
+--------------------------------------+---------+-----------+
5 rows in set (0.00 sec)

mysql> █
```

docker

Containers / Apps

Images

Volumes

Dev Environments **PREVIEW**

🔍 Search...

🟩 objective_germain ubuntu
RUNNING

🟩 zealous_morse mysql:5.7
RUNNING

⬜ strange_pasteur nicolaka/netsho...
EXITED (0)

🟩 musing_mccarthy node:12-alpine
RUNNING   PORT: 3000

LOCAL   REMOTE REPOSITORIES

🔍 Search   ☐ In Use only

NAME ↑		TAG	IMAGE ID	CREATED	SIZE
86421210/repository		versionTag	6a0f9705db24	1 day ago	832.55 MB
mysql	IN USE	5.7	42f82e150ec2	about 6 hours ago	448.24 MB
nicolaka/netshoot	IN USE	latest	f4c8dceca780	2 months ago	431.71 MB
node	IN USE	12-alpine	8a6e486e9817	8 days ago	91.15 MB
repository		versionTag	6a0f9705db24	1 day ago	832.55 MB
ubuntu	IN USE	latest	d13c942271d6	13 days ago	72.78 MB