

```
$ pwd
/root/wordpress
$
$ cat docker-compose.yml
services:
  db:
    environment:
      POSTGRES_PASSWORD: mysecretpassword
    image: postgres
  wordpress:
    image: wordpress
    links:
      - db
    ports:
      - 8085:80
version: '3.0'
```

```
$
$
$ docker-compose config
services:
  db:
    environment:
      POSTGRES_PASSWORD: mysecretpassword
    image: postgres
  wordpress:
    image: wordpress
    links:
      - db
    ports:
      - 8085:80/tcp
version: '3.0'
```

```
$
```

```
$
```

```
$ docker container ls
```

```
CONTAINER ID    IMAGE           COMMAND
CREATED        STATUS         PORTS
NAMES
```

```
$
```

```
$
```

```
$ docker container ls -a
```

```
CONTAINER ID    IMAGE           COMMAND
CREATED        STATUS         PORTS
NAMES
```

```
$
```

```
$
```

```
$ docker network ls
```

```
NETWORK ID      NAME            DRIVER      SCOPE
d6fa8b1f796c   bridge         bridge      local
25818271944e   host          host        local
fe6f1f6a903a   none          null        local
2d9677688327   wordpress_default bridge      local
```

```
local
```

```
$
```

```
$
```

```
$ docker network inspect bridge
```

```
[
```

```
{
```

```
  "Name": "bridge",
```

```
  "Id":
```

```
"d6fa8b1f796c6e94aa6f7520fa2ff99588b2fe51ed091889
209dc9b50a6ec905",
```

```
"Created": "2020-06-16T19:40:47.478616922Z",
"Scope": "local",
"Driver": "bridge",
"EnableIPv6": false,
"IPAM": {
  "Driver": "default",
  "Options": null,
  "Config": [
    {
      "Subnet": "172.18.0.1/24",
      "Gateway": "172.18.0.1"
    }
  ]
},
"Internal": false,
"Attachable": false,
"Ingress": false,
"ConfigFrom": {
  "Network": ""
},
"ConfigOnly": false,
"Containers": {},
"Options": {
  "com.docker.network.bridge.default_bridge":
"true",
  "com.docker.network.bridge.enable_icc": "true",
  "com.docker.network.bridge.enable_ip_masquerade":
"true",
  "com.docker.network.bridge.host_binding_ipv4":
"0.0.0.0",
  "com.docker.network.bridge.name": "docker0",
```

```
        "com.docker.network.driver.mtu": "1500"
    },
    "Labels": {}
}
]
$
$
$ docker-compose up
Creating wordpress_db_1 ...
Creating wordpress_db_1 ... done
Creating wordpress_wordpress_1 ...
Creating wordpress_wordpress_1 ... done
Attaching to wordpress_db_1, wordpress_wordpress_1
db_1      | The files belonging to this database system
db_1      | will be owned by user "postgres".
db_1      | This user must also own the server process.
db_1      |
db_1      | The database cluster will be initialized with
db_1      | locale "en_US.utf8".
db_1      | The default database encoding has
db_1      | accordingly been set to "UTF8".
db_1      | The default text search configuration will be
db_1      | set to "english".
db_1      |
db_1      | Data page checksums are disabled.
db_1      |
db_1      | fixing permissions on existing directory /var/
db_1      | lib/postgresql/data ... ok
db_1      | creating subdirectories ... ok
db_1      | selecting dynamic shared memory
db_1      | implementation ... posix
db_1      | selecting default max_connections ... 100
```

```
db_1      | selecting default shared_buffers ... 128MB
db_1      | selecting default time zone ... Etc/UTC
db_1      | creating configuration files ... ok
db_1      | running bootstrap script ... ok
db_1      | performing post-bootstrap initialization ... ok
wordpress_1 | WordPress not found in /var/www/html -
copying now...
wordpress_1 | Complete! WordPress has been
successfully copied to /var/www/html
db_1      | syncing data to disk ... ok
db_1      |
db_1      | initdb: warning: enabling "trust"
authentication for local connections
db_1      | You can change this by editing pg_hba.conf
or using the option -A, or
db_1      | --auth-local and --auth-host, the next time
you run initdb.
db_1      |
db_1      | Success. You can now start the database
server using:
db_1      |
db_1      | pg_ctl -D /var/lib/postgresql/data -l logfile
start
db_1      |
db_1      | waiting for server to start....2020-06-16
20:26:39.065 UTC [45] LOG:  starting PostgreSQL 12.3
(Debian 12.3-1.pgdg100+1) on x86_64-pc-linux-gnu,
compiled by gcc (Debian 8.3.0-6) 8.3.0, 64-bit
db_1      | 2020-06-16 20:26:39.066 UTC [45] LOG:
listening on Unix socket "/var/run/
postgresql/.s.PGSQL.5432"
db_1      | 2020-06-16 20:26:39.084 UTC [46] LOG:
```

database system was shut down at 2020-06-16
20:26:38 UTC

db_1 | 2020-06-16 20:26:39.089 UTC [45] LOG:
database system is ready to accept connections

wordpress_1 | AH00558: apache2: Could not reliably
determine the server's fully qualified domain name,
using 172.19.0.3. Set the 'ServerName' directive
globally to suppress this message

wordpress_1 | AH00558: apache2: Could not reliably
determine the server's fully qualified domain name,
using 172.19.0.3. Set the 'ServerName' directive
globally to suppress this message

wordpress_1 | [Tue Jun 16 20:26:39.146005 2020]
[mpm_prefork:notice] [pid 1] AH00163: Apache/2.4.38
(Debian) PHP/7.3.19 configured -- resuming normal
operations

wordpress_1 | [Tue Jun 16 20:26:39.146482 2020]
[core:notice] [pid 1] AH00094: Command line: 'apache2
-D FOREGROUND'

db_1 | done

db_1 | server started

db_1 |

db_1 | /usr/local/bin/docker-entrypoint.sh: ignoring /
docker-entrypoint-initdb.d/*

db_1 |

db_1 | 2020-06-16 20:26:39.155 UTC [45] LOG:
received fast shutdown request

db_1 | waiting for server to shut down....2020-06-16
20:26:39.164 UTC [45] LOG: aborting any active
transactions

db_1 | 2020-06-16 20:26:39.165 UTC [45] LOG:
background worker "logical replication launcher" (PID

52) exited with exit code 1

db_1 | 2020-06-16 20:26:39.167 UTC [47] LOG:
shutting down

db_1 | 2020-06-16 20:26:39.175 UTC [45] LOG:
database system is shut down

db_1 | done

db_1 | server stopped

db_1 |

db_1 | PostgreSQL init process complete; ready for
start up.

db_1 |

db_1 | 2020-06-16 20:26:39.285 UTC [1] LOG:
starting PostgreSQL 12.3 (Debian 12.3-1.pgdg100+1)
on x86_64-pc-linux-gnu, compiled by gcc (Debian
8.3.0-6) 8.3.0, 64-bit

db_1 | 2020-06-16 20:26:39.285 UTC [1] LOG:
listening on IPv4 address "0.0.0.0", port 5432

db_1 | 2020-06-16 20:26:39.285 UTC [1] LOG:
listening on IPv6 address ":::", port 5432

db_1 | 2020-06-16 20:26:39.287 UTC [1] LOG:
listening on Unix socket "/var/run/
postgresql/.s.PGSQL.5432"

db_1 | 2020-06-16 20:26:39.298 UTC [54] LOG:
database system was shut down at 2020-06-16
20:26:39 UTC

db_1 | 2020-06-16 20:26:39.303 UTC [1] LOG:
database system is ready to accept connections

wordpress_1 | 172.17.0.5 - - [16/Jun/2020:20:28:46
+0000] "\x16\x03\x01" 400 0 "-" "-"

wordpress_1 | 172.17.0.5 - - [16/Jun/2020:20:28:46
+0000] "GET / HTTP/1.1" 302 271 "https://

katacoda.com/embed/mmumshad2/docker-for-

beginners-fcc-compose/?

v=2&embed=true&ui=inline&host=kodekloud.com&url=https%3A%2F%2Fkodekloud.com%2Fcourses%2F296044%2Flectures%2F5973871&target=katacoda-scenario-1&nonce=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWJIZCI6dHJ1ZSwiZG9tYWluljoiaHR0cHM6Ly9rb2Rla2xvdWQuY29tLyIsImIwIjoiaODYuMjEuMjE0OSIsImIhdCI6MTU5MjMzNjQzMiwiZG9tYWluljoiaNTkyMzMyNDYyYfQ.pg2H_TvpkYofNOeliUy-uJE2nTRdloC_-uKzYKtRoU&color=004d7f&externalcss=https%3A%2F%2Fres.cloudinary.com%2Fcloudusthad%2Fraw%2Fupload%2Fv1571161480%2Fcustom.css&code=" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari/605.1.15"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:28:46+0000] "HEAD / HTTP/1.1" 302 252 "-" "Go-http-client/1.1"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:28:46+0000] "GET /wp-admin/setup-config.php HTTP/1.1" 200 4388 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari/605.1.15"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:28:49+0000] "HEAD / HTTP/1.1" 302 252 "-" "Go-http-client/1.1"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:28:49+0000] "POST /wp-admin/setup-config.php?step=0 HTTP/1.1" 200 1421 "http://2886795303-8085-kitek06e.environments.katacoda.com/wp-admin/setup-config.php" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko)"

Version/13.1.1 Safari/605.1.15"

wordpress_1 | 172.17.0.3 - - [16/Jun/2020:20:28:51+0000] "HEAD / HTTP/1.1" 302 252 "-" "Go-http-client/1.1"

wordpress_1 | 172.17.0.3 - - [16/Jun/2020:20:28:51+0000] "GET /wp-admin/setup-config.php?step=1 HTTP/1.1" 200 1495 "http://2886795303-8085-kitek06e.environments.katacoda.com/wp-admin/setup-config.php?step=0" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari/605.1.15"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:29:16+0000] "HEAD / HTTP/1.1" 302 252 "-" "Go-http-client/1.1"

wordpress_1 | 172.17.0.4 - - [16/Jun/2020:20:29:17+0000] "POST /wp-admin/setup-config.php?step=2 HTTP/1.1" 500 3839 "http://2886795303-8085-kitek06e.environments.katacoda.com/wp-admin/setup-config.php?step=1" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_5) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.1.1 Safari/605.1.15"

CHECKS

Tasks not completed!

Syntax Check for the docker-compose.yml

Wordpress running on the correct HostPort?

WordPress linked to db container

db container running with env variable
POSTGRES_PASSWORD?

```
=====
```

2nd Attempt :

Did “docker-compose down”

Removing both containers and starting again

```
$ pwd
```

```
/root/wordpress
```

```
$ ls
```

```
docker-compose.yml
```

```
$
```

```
$ cat docker-compose.ymlservices: db:  environment:
```

```
POSTGRES_PASSWORD: mysecretpassword
```

```
  image: postgres
```

```
wordpress:  image: wordpress
```

```
  links:
```

```
    - db  ports:
```

```
      - 8085:80
```

```
version: '3.0'$
```

```
$ docker-compose config
```

```
services: db:
```

```
  environment:
```

```
    POSTGRES_PASSWORD: mysecretpassword
```

```
image: postgres
wordpress:
  image: wordpress
  links:
  - db
  ports:
  - 8085:80/tcp
version: '3.0'
```

\$

\$

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

```
Creating network "wordpress_default" with the default
driver
```

```
Creating wordpress_db_1 ...
```

```
Creating wordpress_db_1 ... done
```

```
Creating wordpress_wordpress_1 ...
```

```
Creating wordpress_wordpress_1 ... done
```

\$

\$

\$

\$

CHECKS

Tasks not completed!

Syntax Check for the docker-compose.yml

Wordpress running on the correct HostPort?

WordPress linked to db container

db container running with env variable
POSTGRES_PASSWORD?

DEBUGGING OUTPUTS

```
docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND
CREATED	STATUS	PORTS
NAMES		
d745824578e7	wordpress	"docker-
entrypoint.s..."	2 minutes ago	Up 2 minutes
0.0.0.0:8085->80/tcp	wordpress_wordpress_1	
3bf26ef2239b	postgres	"docker-
entrypoint.s..."	2 minutes ago	Up 2 minutes
5432/tcp	wordpress_db_1	

```
$
```

```
$ docker network ls
```

NETWORK ID	NAME	DRIVER	
d6fa8b1f796c	bridge	bridge	local
25818271944e	host	host	local
fe6f1f6a903a	none	null	local
0ae993946e9a	wordpress_default	bridge	

```
local
```

```
$
```

```
$
```

```
$ docker network inspect wordpress_default
```

```
[
```

```
{
```

```
  "Name": "wordpress_default",
```

```
  "Id":
```

```
"0ae993946e9add558ed7d43e0d51e3aad8896e3568a0
```

```
a47b9fc2554fbe3cc24d",
  "Created": "2020-06-16T20:32:15.815706622Z",
  "Scope": "local",
  "Driver": "bridge",
  "EnableIPv6": false,
  "IPAM": {
    "Driver": "default",
    "Options": null,
    "Config": [
      {
        "Subnet": "172.20.0.0/16",
        "Gateway": "172.20.0.1"
      }
    ]
  },
  "Internal": false,
  "Attachable": true,
  "Ingress": false,
  "ConfigFrom": {
    "Network": ""
  },
  "ConfigOnly": false,
  "Containers": {
```

```
"3bf26ef2239b22c7cc77b52400b24329988236d87a706
485495b7c7399b3fa67": {
  "Name": "wordpress_db_1",
  "EndpointID":
"dc701e23c862eea8ba8cc2038dd0c5c3f47cb430198c1
adc1285424d85fb396c",
  "MacAddress": "02:42:ac:14:00:02",
  "IPv4Address": "172.20.0.2/16",
```


NAMES

```
d745824578e7      wordpress      "docker-
entrypoint.s..." 6 minutes ago  Up 6 minutes
0.0.0.0:8085->80/tcp  wordpress_wordpress_1
3bf26ef2239b      postgres      "docker-
entrypoint.s..." 6 minutes ago  Up 6 minutes
5432/tcp          wordpress_db_1
```

\$

\$

```
$ docker container inspect wordpress_wordpress_1
```

```
[
```

```
{
```

```
  "Id":
```

```
"d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b",
```

```
  "Created": "2020-06-16T20:32:17.434460258Z",
```

```
  "Path": "docker-entrypoint.sh",
```

```
  "Args": [
```

```
    "apache2-foreground"
```

```
  ],
```

```
  "State": {
```

```
    "Status": "running",
```

```
    "Running": true,
```

```
    "Paused": false,
```

```
    "Restarting": false,
```

```
    "OOMKilled": false,
```

```
    "Dead": false,
```

```
    "Pid": 8914,
```

```
    "ExitCode": 0,
```

```
    "Error": "",
```

```
    "StartedAt":
```

```
"2020-06-16T20:32:20.305574346Z",
```

```
    "FinishedAt": "0001-01-01T00:00:00Z"
  },
  "Image":
"sha256:2c9350d16623803c9bcfa58973b9bdba18e06d
3107b15ba8090c09db946c27bf",
    "ResolvConfPath": "/var/lib/docker/containers/
d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b/resolv.conf",
    "HostnamePath": "/var/lib/docker/containers/
d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b/hostname",
    "HostsPath": "/var/lib/docker/containers/
d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b/hosts",
    "LogPath": "/var/lib/docker/containers/
d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b/
d745824578e7070838005fe46ad150c0c13cb34c374b2
72d2b0dec314654140b-json.log",
    "Name": "/wordpress_wordpress_1",
    "RestartCount": 0,
    "Driver": "overlay",
    "Platform": "linux",
    "MountLabel": "",
    "ProcessLabel": "",
    "AppArmorProfile": "docker-default",
    "ExecIDs": null,
    "HostConfig": {
      "Binds": [],
      "ContainerIDFile": "",
      "LogConfig": {
        "Type": "json-file",
```

```
    "Config": {}
  },
  "NetworkMode": "wordpress_default",
  "PortBindings": {
    "80/tcp": [
      {
        "HostIp": "",
        "HostPort": "8085"
      }
    ]
  },
  "RestartPolicy": {
    "Name": "",
    "MaximumRetryCount": 0
  },
  "AutoRemove": false,
  "VolumeDriver": "",
  "VolumesFrom": [],
  "CapAdd": null,
  "CapDrop": null,
  "Dns": null,
  "DnsOptions": null,
  "DnsSearch": null,
  "ExtraHosts": null,
  "GroupAdd": null,
  "IpcMode": "shareable",
  "Cgroup": "",
  "Links": null,
  "OomScoreAdj": 0,
  "PidMode": "",
  "Privileged": false,
  "PublishAllPorts": false,
```

```
"ReadOnlyRootfs": false,  
"SecurityOpt": null,  
"UTSMode": "",  
"UsersnsMode": "",  
"ShmSize": 67108864,  
"Runtime": "runc",  
"ConsoleSize": [  
    0,  
    0  
],  
"Isolation": "",  
"CpuShares": 0,  
"Memory": 0,  
"NanoCpus": 0,  
"CgroupParent": "",  
"BlkioWeight": 0,  
"BlkioWeightDevice": null,  
"BlkioDeviceReadBps": null,  
"BlkioDeviceWriteBps": null,  
"BlkioDeviceReadIOps": null,  
"BlkioDeviceWriteIOps": null,  
"CpuPeriod": 0,  
"CpuQuota": 0,  
"CpuRealtimePeriod": 0,  
"CpuRealtimeRuntime": 0,  
"CpusetCpus": "",  
"CpusetMems": "",  
"Devices": null,  
"DeviceCgroupRules": null,  
"DiskQuota": 0,  
"KernelMemory": 0,  
"MemoryReservation": 0,
```

```
"MemorySwap": 0,
"MemorySwappiness": null,
"OomKillDisable": false,
"PidsLimit": 0,
"Ulimits": null,
"CpuCount": 0,
"CpuPercent": 0,
"IOMaximumIOps": 0,
"IOMaximumBandwidth": 0,
"MaskedPaths": [
  "/proc/asound",
  "/proc/acpi",
  "/proc/kcore",
  "/proc/keys",
  "/proc/latency_stats",
  "/proc/timer_list",
  "/proc/timer_stats",
  "/proc/sched_debug",
  "/proc/scsi",
  "/sys/firmware"
],
"ReadOnlyPaths": [
  "/proc/bus",
  "/proc/fs",
  "/proc/irq",
  "/proc/sys",
  "/proc/sysrq-trigger"
]
},
"GraphDriver": {
  "Data": {
    "LowerDir": "/var/lib/docker/overlay/"
```

```
fb4441144af6e5a9eb8af02802739db683b18680b318fa9
1756b98ed87beecd3/root",
    "MergedDir": "/var/lib/docker/overlay/
9ab09b846273618357d1292911202d84922df0db25767
1f56db07d4fdd15a28d/merged",
    "UpperDir": "/var/lib/docker/overlay/
9ab09b846273618357d1292911202d84922df0db25767
1f56db07d4fdd15a28d/upper",
    "WorkDir": "/var/lib/docker/overlay/
9ab09b846273618357d1292911202d84922df0db25767
1f56db07d4fdd15a28d/work"
    },
    "Name": "overlay"
},
"Mounts": [
    {
        "Type": "volume",
        "Name":
"173e61292aeda070bf0c90ea3b9319d79907eb995814e
1fe3caa90b7ab444a66",
        "Source": "/var/lib/docker/volumes/
173e61292aeda070bf0c90ea3b9319d79907eb995814e
1fe3caa90b7ab444a66/_data",
        "Destination": "/var/www/html",
        "Driver": "local",
        "Mode": "",
        "RW": true,
        "Propagation": ""
    }
],
"Config": {
    "Hostname": "d745824578e7",
```

```
"Domainname": "",
"User": "",
"AttachStdin": false,
"AttachStdout": false,
"AttachStderr": false,
"ExposedPorts": {
  "80/tcp": {}
},
"Tty": false,
"OpenStdin": false,
"StdinOnce": false,
"Env": [
  "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin",
  "PHPIZE_DEPS=autoconf \t\t\tdpkg-dev \t\t\tfile \t\t\tg++ \t\t\tgcc \t\t\tlibc-dev \t\t\tmake \t\t\tpkg-config \t\t\tre2c",
  "PHP_INI_DIR=/usr/local/etc/php",
  "APACHE_CONFDIR=/etc/apache2",
  "APACHE_ENVVARS=/etc/apache2/envvars",
  "PHP_EXTRA_BUILD_DEPS=apache2-dev",
  "PHP_EXTRA_CONFIGURE_ARGS=--with-apxs2 --disable-cgi",
  "PHP_CFLAGS=-fstack-protector-strong -fpic -fpie -O2 -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64",
  "PHP_CPPFLAGS=-fstack-protector-strong -fpic -fpie -O2 -D_LARGEFILE_SOURCE -D_FILE_OFFSET_BITS=64",
  "PHP_LDFLAGS=-Wl,-O1 -pie",
  "GPG_KEYS=CBAF69F173A0FEA4B537F470D66C9593118BCCB6
```

```
F38252826ACD957EF380D39F2F7956BC5DA04B5D",
  "PHP_VERSION=7.3.19",
  "PHP_URL=https://www.php.net/distributions/
php-7.3.19.tar.xz",
  "PHP_ASC_URL=https://www.php.net/
distributions/php-7.3.19.tar.xz.asc",
```

```
"PHP_SHA256=6402faa19b1a8c4317c7612632bce985
684a5bbae0980a5779a4019439882422",
  "PHP_MD5=",
  "WORDPRESS_VERSION=5.4.2",
```

```
"WORDPRESS_SHA1=e5631f812232fbd45d3431783d
3db2e0d5670d2d"
```

```
  ],
  "Cmd": [
    "apache2-foreground"
  ],
  "ArgsEscaped": true,
  "Image": "wordpress",
  "Volumes": {
    "/var/www/html": {}
  },
  "WorkingDir": "/var/www/html",
  "Entrypoint": [
    "docker-entrypoint.sh"
  ],
  "OnBuild": null,
  "Labels": {
    "com.docker.compose.config-hash":
"3c6abed06257bbfc34b5e3d5522d06897757e91a2d201
6da717b8ea8dbdd1c85",
```

```
    "com.docker.compose.container-number": "1",
    "com.docker.compose.oneoff": "False",
    "com.docker.compose.project": "wordpress",
    "com.docker.compose.service": "wordpress",
    "com.docker.compose.version": "1.16.1"
  },
  "StopSignal": "SIGWINCH"
},
"NetworkSettings": {
  "Bridge": "",
  "SandboxID":
"95145f5392ede9e2663db5d3bed2fd67fa76ef52c1f1cf5
5e43fc5b643dc6c35",
  "HairpinMode": false,
  "LinkLocalIPv6Address": "",
  "LinkLocalIPv6PrefixLen": 0,
  "Ports": {
    "80/tcp": [
      {
        "HostIp": "0.0.0.0",
        "HostPort": "8085"
      }
    ]
  }
},
  "SandboxKey": "/var/run/docker/netns/
95145f5392ed",
  "SecondaryIPAddresses": null,
  "SecondaryIPv6Addresses": null,
  "EndpointID": "",
  "Gateway": "",
  "GlobalIPv6Address": "",
  "GlobalIPv6PrefixLen": 0,
```

```
"IPAddress": "",
"IPPrefixLen": 0,
"IPv6Gateway": "",
"MacAddress": "",
"Networks": {
  "wordpress_default": {
    "IPAMConfig": null,
    "Links": [
      "wordpress_db_1:db",
      "wordpress_db_1:db_1",
      "wordpress_db_1:wordpress_db_1"
    ],
    "Aliases": [
      "d745824578e7",
      "wordpress"
    ],
    "NetworkID":
"0ae993946e9add558ed7d43e0d51e3aad8896e3568a0
a47b9fc2554fbe3cc24d",
    "EndpointID":
"6c55211e2807c6de24843dd45b4f9fd823a164ab01552
a3c11701e31ca2d8105",
    "Gateway": "172.20.0.1",
    "IPAddress": "172.20.0.3",
    "IPPrefixLen": 16,
    "IPv6Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "MacAddress": "02:42:ac:14:00:03",
    "DriverOpts": null
  }
}
```

```

    }
  }
]
$
$ docker container inspect wordpress_wordpress_1 |
grep Links
    "Links": null,
    "Links": [
$
$ docker container ls
CONTAINER ID        IMAGE               COMMAND
CREATED            STATUS             PORTS
NAMES
d745824578e7       wordpress          "docker-
entrypoint.s..." 7 minutes ago     Up 7 minutes
0.0.0.0:8085->80/tcp wordpress_wordpress_1
3bf26ef2239b       postgres          "docker-
entrypoint.s..." 7 minutes ago     Up 7 minutes
5432/tcp           wordpress_db_1
$
$ docker container inspect postgres
[]
Error: No such container: postgres
$
$ docker container inspect wordpress_db_1
[
  {
    "Id":
"3bf26ef2239b22c7cc77b52400b24329988236d87a706
485495b7c7399b3fa67",
    "Created": "2020-06-16T20:32:15.95989943Z",
    "Path": "docker-entrypoint.sh",

```

```
"Args": [
  "postgres"
],
"State": {
  "Status": "running",
  "Running": true,
  "Paused": false,
  "Restarting": false,
  "OOMKilled": false,
  "Dead": false,
  "Pid": 8743,
  "ExitCode": 0,
  "Error": "",
  "StartedAt":
"2020-06-16T20:32:17.289737613Z",
  "FinishedAt": "0001-01-01T00:00:00Z"
},
"Image":
"sha256:b97bae343e06e050f84c781eee8a9d6b0688b8
bbdcc0161990573c194b333479",
  "ResolvConfPath": "/var/lib/docker/containers/
3bf26ef2239b22c7cc77b52400b24329988236d87a7064
85495b7c7399b3fa67/resolv.conf",
  "HostnamePath": "/var/lib/docker/containers/
3bf26ef2239b22c7cc77b52400b24329988236d87a7064
85495b7c7399b3fa67/hostname",
  "HostsPath": "/var/lib/docker/containers/
3bf26ef2239b22c7cc77b52400b24329988236d87a7064
85495b7c7399b3fa67/hosts",
  "LogPath": "/var/lib/docker/containers/
3bf26ef2239b22c7cc77b52400b24329988236d87a7064
85495b7c7399b3fa67/3bf26ef2239b22c7cc77b52400b2
```

```
4329988236d87a706485495b7c7399b3fa67-json.log",
  "Name": "/wordpress_db_1",
  "RestartCount": 0,
  "Driver": "overlay",
  "Platform": "linux",
  "MountLabel": "",
  "ProcessLabel": "",
  "AppArmorProfile": "docker-default",
  "ExecIDs": null,
  "HostConfig": {
    "Binds": [],
    "ContainerIDFile": "",
    "LogConfig": {
      "Type": "json-file",
      "Config": {}
    },
    "NetworkMode": "wordpress_default",
    "PortBindings": {},
    "RestartPolicy": {
      "Name": "",
      "MaximumRetryCount": 0
    },
    "AutoRemove": false,
    "VolumeDriver": "",
    "VolumesFrom": [],
    "CapAdd": null,
    "CapDrop": null,
    "Dns": null,
    "DnsOptions": null,
    "DnsSearch": null,
    "ExtraHosts": null,
    "GroupAdd": null,
```

```
"IpcMode": "shareable",
"Cgroup": "",
"Links": null,
"OomScoreAdj": 0,
"PidMode": "",
"Privileged": false,
"PublishAllPorts": false,
"ReadOnlyRootfs": false,
"SecurityOpt": null,
"UTSMode": "",
"UsersnsMode": "",
"ShmSize": 67108864,
"Runtime": "runc",
"ConsoleSize": [
    0,
    0
],
"Isolation": "",
"CpuShares": 0,
"Memory": 0,
"NanoCpus": 0,
"CgroupParent": "",
"BlkioWeight": 0,
"BlkioWeightDevice": null,
"BlkioDeviceReadBps": null,
"BlkioDeviceWriteBps": null,
"BlkioDeviceReadIOps": null,
"BlkioDeviceWriteIOps": null,
"CpuPeriod": 0,
"CpuQuota": 0,
"CpuRealtimePeriod": 0,
"CpuRealtimeRuntime": 0,
```

```
"CpusetCpus": "",
"CpusetMems": "",
"Devices": null,
"DeviceCgroupRules": null,
"DiskQuota": 0,
"KernelMemory": 0,
"MemoryReservation": 0,
"MemorySwap": 0,
"MemorySwappiness": null,
"OomKillDisable": false,
"PidsLimit": 0,
"Ulimits": null,
"CpuCount": 0,
"CpuPercent": 0,
"IOMaximumIOps": 0,
"IOMaximumBandwidth": 0,
"MaskedPaths": [
  "/proc/asound",
  "/proc/acpi",
  "/proc/kcore",
  "/proc/keys",
  "/proc/latency_stats",
  "/proc/timer_list",
  "/proc/timer_stats",
  "/proc/sched_debug",
  "/proc/scsi",
  "/sys/firmware"
],
"ReadOnlyPaths": [
  "/proc/bus",
  "/proc/fs",
  "/proc/irq",
```

```
        "/proc/sys",
        "/proc/sysrq-trigger"
    ]
},
"GraphDriver": {
    "Data": {
        "LowerDir": "/var/lib/docker/overlay/
77393ac859278efc2e5f090a7f275e22891f74d10dcdb2a
6313ffb6fcd799df6/root",
        "MergedDir": "/var/lib/docker/overlay/
0b6292b9da86f62ab9ff087b2ba51ec52c2a971ba05aa6
48490d38a84fda8166/merged",
        "UpperDir": "/var/lib/docker/overlay/
0b6292b9da86f62ab9ff087b2ba51ec52c2a971ba05aa6
48490d38a84fda8166/upper",
        "WorkDir": "/var/lib/docker/overlay/
0b6292b9da86f62ab9ff087b2ba51ec52c2a971ba05aa6
48490d38a84fda8166/work"
    },
    "Name": "overlay"
},
"Mounts": [
    {
        "Type": "volume",
        "Name":
        "b68d91404359061a847ee923ea204034390921c8c0f40
226d93154bcbeb36cc6",
        "Source": "/var/lib/docker/volumes/
b68d91404359061a847ee923ea204034390921c8c0f40
226d93154bcbeb36cc6/_data",
        "Destination": "/var/lib/postgresql/data",
        "Driver": "local",
```

```
    "Mode": "",
    "RW": true,
    "Propagation": ""
  }
],
"Config": {
  "Hostname": "3bf26ef2239b",
  "Domainname": "",
  "User": "",
  "AttachStdin": false,
  "AttachStdout": false,
  "AttachStderr": false,
  "ExposedPorts": {
    "5432/tcp": {}
  },
  "Tty": false,
  "OpenStdin": false,
  "StdinOnce": false,
  "Env": [
```

```
"POSTGRES_PASSWORD=mysecretpassword",
  "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/lib/postgresql/12/bin",
  "GOSU_VERSION=1.12",
  "LANG=en_US.utf8",
  "PG_MAJOR=12",
  "PG_VERSION=12.3-1.pgdg100+1",
  "PGDATA=/var/lib/postgresql/data"
],
"Cmd": [
  "postgres"
],
```

```
"ArgsEscaped": true,
"Image": "postgres",
"Volumes": {
  "/var/lib/postgresql/data": {}
},
"WorkingDir": "",
"Entrypoint": [
  "docker-entrypoint.sh"
],
"OnBuild": null,
"Labels": {
  "com.docker.compose.config-hash":
"4f299f4dcdd14d3f6993f758213d49dbcd0a367ec89c0b
24ef4168e4385f246f",
  "com.docker.compose.container-number": "1",
  "com.docker.compose.oneoff": "False",
  "com.docker.compose.project": "wordpress",
  "com.docker.compose.service": "db",
  "com.docker.compose.version": "1.16.1"
}
},
"NetworkSettings": {
  "Bridge": "",
  "SandboxID":
"7253465ee1cd1978a5aaf0b85c414a2e1f4596155e28a
04122f3c13d248cd664",
  "HairpinMode": false,
  "LinkLocalIPv6Address": "",
  "LinkLocalIPv6PrefixLen": 0,
  "Ports": {
    "5432/tcp": null
  },
}
```

```
    "SandboxKey": "/var/run/docker/netns/
7253465ee1cd",
    "SecondaryIPAddresses": null,
    "SecondaryIPv6Addresses": null,
    "EndpointID": "",
    "Gateway": "",
    "GlobalIPv6Address": "",
    "GlobalIPv6PrefixLen": 0,
    "IPAddress": "",
    "IPPrefixLen": 0,
    "IPv6Gateway": "",
    "MacAddress": "",
    "Networks": {
        "wordpress_default": {
            "IPAMConfig": null,
            "Links": null,
            "Aliases": [
                "3bf26ef2239b",
                "db"
            ],
            "NetworkID":
"0ae993946e9add558ed7d43e0d51e3aad8896e3568a0
a47b9fc2554fbe3cc24d",
            "EndpointID":
"dc701e23c862eea8ba8cc2038dd0c5c3f47cb430198c1
adc1285424d85fb396c",
            "Gateway": "172.20.0.1",
            "IPAddress": "172.20.0.2",
            "IPPrefixLen": 16,
            "IPv6Gateway": "",
            "GlobalIPv6Address": "",
            "GlobalIPv6PrefixLen": 0,
```

```
        "MacAddress": "02:42:ac:14:00:02",
        "DriverOpts": null
    }
}
}
]
$
$ docker container inspect wordpress_db_1 | grep Links
    "Links": null,
    "Links": null,
$
$
```

```
=====
=====
=====
```

CHECKS FAILING as below

Tasks not completed!

Syntax Check for the docker-compose.yml

Wordpress running on the correct HostPort?

WordPress linked to db container

db container running with env variable
POSTGRES_PASSWORD?

