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# DBSeeder Development and Operational Image

This image supports the use of a Docker container for the development and operation of DBSeeder in an Ubuntu environment.

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# 1. Installed core components

With the following command you can check in detail which software components in which versions are included in the Docker image:

```
apt list --installed
```

### Version 2.9.1

Component	Version	Remark	Status
Docker Engine	20.10.7		
Eclipse	2021-03-R		
Git	2.31.1		
Gradle	7.0.2		
Java	16.0.1	openjdk	
Ubuntu	20.04.2 LTS	focal	
Vim	8.2.2949		

# 2. Creating a new DBSeeder container

# 2.1 Getting started

- > REM Assumptions:
- > REM you want to map the container port 8443 to the host port 443
- > REM the name of the Docker container should be: my db seeder
- > REM the path the host repository is: //C/projects/my\_repro
- > REM the directory name for this repository inside the container should be: my\_repro\_dir

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# 2.2 Detailed Syntax

A new container can be created with the docker run command.

### Syntax:

```
docker run -it
    [-p <port>:8443] \
    [--name <container_name>] \
    konnexionsgmbh/db_seeder[:<version>]
    [<cmd>]
```

### Parameters:

- port an optional listener port
- **container\_name** an optional container identification
- directory\_repository an optional host repository directory the default value is expecting the repository inside the container
- version an optional version number of the image or the constant latest
- cmd an optional command to be executed in the container, default is bash for running the bash shell

Detailed documentation for the command docker run can be found here.

#### **Examples:**

1. Creating a new Docker container named my\_db\_seeder using a repository inside the Docker container:

```
docker run -it --name my_db_seeder konnexionsgmbh/db_seeder:latest
```

2. Creating a new Docker container named my\_db\_seeder using the host repository of a Windows directory D:\projects\my\_repro:

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```
docker run -it --name db_seeder -v //D/projects/my_repro:/my_repro
konnexionsgmbh/db_seeder:latest
```

3. Creating a new Docker container named my\_db\_seeder using the host repository of a Linux directory /my\_repro and mapping port 8443 to port 8000:

```
docker run -it --name my_db_seeder -p 8000:8443 -v /my_repro:/my_repro
konnexionsgmbh/db_seeder:latest
```

# 3 Working with an existing DBSeeder container

## 3.1 Starting a stopped container

A previously stopped container can be started with the docker start command.

#### Syntax:

```
docker start <container_name>
```

#### Parameter:

• **container\_name** - the mandatory container identification, that is an UUID long identifier, an UUID short identifier or a previously given name

Detailed documentation for the command docker start can be found here.

# 3.2 Entering a running container

A running container can be entered with the docker exec command.

#### Syntax:

```
docker exec -it <container_name> <cmd>
```

## Parameter:

- **container\_name** the mandatory container identification, that is an UUID long identifier, an UUID short identifier or a previously given name
- cmd the command to be executed in the container, e.g. bash for running the bash shell

Detailed documentation for the command docker exec can be found here.