



# Tutorial session

Setting-up a VESPA service using custom API from MongoDB

# Setting up an EPN-TAB service and MongoDB

get instruction from:

[https://git.cbk.waw.pl/tomasik/vespa\\_tutorial](https://git.cbk.waw.pl/tomasik/vespa_tutorial)

Result expected:

\*Running VO server

\*Running mongoBD

# Add some software to Dachs container

```
docker exec -it dachs /bin/bash
```

- - apt update
- - apt-get install mc
- - apt-get install nano
- - apt-get install python
- - apt-get install iputils-ping
- - apt-get install python3-pip
- - apt-get install screen
- - pip3 install pymongo
- - pip3 install pandas
- - pip3 install flask
- - pip3 install waitress

# Create user and activate ssh

```
useradd -m -d /home/myuser myuser
```

```
usermod -aG sudo myuser
```

```
passwd myuser
```

```
/etc/init.d/ssh start
```

# create our REST API for databases in mongoDB

```
cd $home
```

```
mkdir mongoapi
```

```
cd mongoapi
```

```
wget --no-check-certificate -O mongo_create_rest_api.py
```

```
https://git.cbk.waw.pl/tomasik/vespa\_tutorial/-/raw/main/mongo\_create\_rest\_api.py?inline=false
```

# create our first database in mongoDB

```
cd $home
```

```
mkdir mongodatabase
```

```
cd mongodatabase
```

```
wget --no-check-certificate -O mongo_create_database.py
```

```
https://git.cbk.waw.pl/tomasik/vespa\_tutorial/-/raw/main/mongo\_create\_database.py?inline=false
```

# setting our Gavo inputs files

```
cd /var/gavo/inputs
```

```
mkdir mongoplanet
```

```
cd mongoplanet
```

```
wget --no-check-certificate -O generate_csv.py
```

```
https://git.cbk.waw.pl/tomasik/vespa\_tutorial/-/raw/main/generate\_csv.py?inline=false
```

```
python3 generate_csv.py
```

```
wget --no-check-certificate -O q.rd https://git.cbk.waw.pl/tomasik/vespa\_tutorial/-/raw/main/q.rd?inline=false
```

# Import data

```
gavo val q.rd
```

```
gavo imp q.rd
```

```
dachs serve restart
```