

Deploy Container

You can pull DataIngest container image from IBM container and run on any operating environment that has docker-ce (Docker Community Edition) environment set. For information on Docker Community Edition for your operating environment, see [About Docker CE](#).

You need API key to pull docker image from IBM Container registry and run on your system. If you need API key, contact IBM Watson IoT support.

Use the following steps to run DataIngest container:

Step 1: Create the following directory on host system to volume map directory with the container and create container configuration files:

```
On Linux Platform:
$ mkdir -p /mnt/volume

On Windows Platform:
# md c:\\mnt
# md c:\\mnt\\volume
```

Step 2: Use the following docker command to pull and run the container:

```
On Linux Platform:
$ docker login -u iamapikey -p <api_key> us.icr.io
$ docker run -dit --name wiotp-dataingest --volume /mnt/volume:/volume us.icr.io/dataingest/wiotp-d

On Windows Platform
# docker login -u iamapikey -p <api_key> us.icr.io
# docker run -dit --name wiotp-dataingest --volume c:\\mnt\\volume:/volume us.icr.io/dataingest/wio
```

If you want to expose DataIngest documentation port, run the following command:

```
On Linux Platform:
$ docker login -u iamapikey -p <api_key> us.icr.io
$ docker run -dit --name wiotp-dataingest -p localhost:5001:443 --volume /mnt/volume:/volume us.icr.io/dataingest/wiotp-d

On Windows Platform
# docker login -u iamapikey -p <api_key> us.icr.io
# docker run -dit --name wiotp-dataingest -p 5001:443 --volume c:\\mnt\\volume:/volume us.icr.io/dataingest/wio
```

NOTE: If you are running the container on Windows platform, in Docker desktop settings, enable disk sharing. You may have to open port 445 in firewall for disk sharing to work.

Step 3: Create container configuration files in /mnt/volume/config directory. Refer to [Configuration](#) for details on container configuration options.