

Created Docker Container:

```
tanmay@tanmay-HP-Notebook ~/MyLearning/XmlPageGeneratorUtility $ sudo docker build -t migutil:8 .
Sending build context to Docker daemon 111.6kB
Step 1/6 : FROM amazonlinux:latest
--> add9612f9214
Step 2/6 : RUN yum install -y pip
--> Using cache
--> 7dfb16422052
Step 3/6 : RUN pip install supervisor
--> Using cache
--> 03255b9229a0
Step 4/6 : COPY ./app/
--> b54b64d11c5f
Step 5/6 : WORKDIR /app/
--> Running in 197502cf75dd
Removing intermediate container 197502cf75dd
--> 506a4cd921e2
Step 6/6 : ENTRYPOINT ["supervisord","-n", "-c", "/app/supervisord.conf"]
--> Running in 2b67fa181351
Removing intermediate container 2b67fa181351
--> 4308fff6af1d
Successfully built 4308fff6af1d
Successfully tagged migutil:8
```

Started Docker Container

```
tanmay@tanmay-HP-Notebook ~/MyLearning/XmlPageGeneratorUtility $ sudo docker run -p9001:9001 -it migutil:8
2021-07-31 12:17:04,431 CRIT Supervisor is running as root. Privileges were not dropped because no user is specified in the config file. If you intend to run as root,
you can set user=root in the config file to avoid this message.
2021-07-31 12:17:04,436 INFO RPC interface 'supervisor' initialized
2021-07-31 12:17:04,437 INFO RPC interface 'supervisor' initialized
2021-07-31 12:17:04,437 INFO supervisord started with pid 1
2021-07-31 12:18:09,009 ERRO :Server Error: <type 'exceptions.UnicodeDecodeError', 'ascii' codec can't decode byte 0xf2 in position 176: ordinal not in range(128): file
: /usr/lib/python2.7/site-packages/supervisor/http.py line: 380
2021-07-31 12:18:09,013 ERRO :Server Error: <type 'exceptions.UnicodeDecodeError', 'ascii' codec can't decode byte 0x89 in position 170: ordinal not in range(128): file
```

Finding IP address of Container

```
tanmay@tanmay-HP-Notebook /mnt/LinuxHome/tanmay/MyLearning/XmlPageGeneratorUtility $ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED       STATUS       PORTS                               NAMES
25dce1d376a9   migutil:8 "supervisord -n -c /..." 31 seconds ago Up 29 seconds 0.0.0.0:9001->9001/tcp boring_bell
tanmay@tanmay-HP-Notebook /mnt/LinuxHome/tanmay/MyLearning/XmlPageGeneratorUtility $ sudo docker inspect -f format='{{.NetworkSettings.IPAddress}}' 25dce1d376a9
format=172.17.0.2
tanmay@tanmay-HP-Notebook /mnt/LinuxHome/tanmay/MyLearning/XmlPageGeneratorUtility $
```

Opening the browser:

State	Description	Name	Action
running	pid 18, uptime 0:00:01	generator	Restart Stop Clear Log Tail -f Stdout Tail -f Stderr

Connecting to same docker container and checking the output directory for timestamp changes, since the files were regenerated the output timestamp has changed.

```
tanmay@tanmay-HP-Notebook /mnt/LinuxHome/tanmay/MyLearning/XmlPageGeneratorUtility $ sudo docker exec -it 3ca59de538ab bash
bash-4.2# ls -ltr
total 52
drwxrwxr-x 2 root root 4096 Jan 29 2021 template
-rw-rw-r-- 1 root root 127 Feb 7 16:20 note.txt
-rw-rw-r-- 1 root root 912 Feb 27 10:58 xmlGeneratorUtility.py
-rw-rw-r-- 1 root root 864 Feb 27 10:59 dataLoader.pyc
-rw-rw-r-- 1 root root 320 Feb 27 11:00 input.csv
drwxrwxr-x 2 root root 4096 Feb 27 11:00 output
-rw-rw-r-- 1 root root 736 Apr 11 08:55 dataLoader.py
-rw-rw-r-- 1 root root 449 Jul 25 07:55 ReadMe.md
-rw-rw-r-- 1 root root 18 Jul 31 09:52 requirements.txt
-rw-rw-r-- 1 root root 164 Jul 31 12:10 Dockerfile
-rwxrwxrwx 1 root root 9619 Jul 31 12:28 supervisord.conf
bash-4.2# ls -ltr output/
total 12
-rw-rw-r-- 1 root root 284 Feb 27 11:00 output-2.xml
-rw-rw-r-- 1 root root 266 Feb 27 11:00 output-1.xml
-rw-rw-r-- 1 root root 286 Feb 27 11:00 output-0.xml
bash-4.2# ls -ltr output/
total 12
-rw-rw-r-- 1 root root 266 Jul 31 12:30 output-1.xml
-rw-rw-r-- 1 root root 286 Jul 31 12:30 output-0.xml
-rw-rw-r-- 1 root root 284 Jul 31 12:30 output-2.xml
bash-4.2#
```