

Docker [Details] [Edit] [Action] [Settings] Search

bm98-dump1090-fa1 CPU RAM Stopped

bm98/dump1090-fa:v3.6.2.1

Docker [Launch] [Add] [Delete] [Export]

bm98/dump1090-fa:v3.6.2.1 [Registry: Docker Hub](#) 619 MB

Docker [Add] [Manage] [Delete]

bridge
1 connected container(s)

Driver	bridge
Subnet	172.17.0.0/16
Gateway	172.17.0.1
IPv6	Disabled
Container	bm98-dump1090-fa1

host
No connected containers.

bm98-dump1090-fa1 [Overview] [Process] [Log] [Terminal]

[Start] [Stop] [Restart] [Force stop]

bm98-dump1090-fa1

Desktop Shortcut: Disabled
 CPU Priority: Med
 Memory Limit: Auto
 Execution Command: /bin/bash /usr/share/dump...

CPU Usage
0%

RAM Usage
0 B

Local Port	Container Port	Type
Auto	30104	tcp
9090	8080	tcp

Environment Variables

PATH	/usr/local/sbin:/usr/local...
DEBIAN_FRONTEND	noninteractive

Export

Search

2018-08

08-26

Time	Log	Stream
15:15:08	[...] Starting web server: lighttpd[ok .	stdout
15:15:09	Trying to get BEAST-format data from 192.168.1.82:31005).	stdout
15:15:10	IP address 192.168.1.82 is reachable using ping!	stdout
15:15:10	Remote port check:	stdout
15:15:10	rpi-adsb1.local [192.168.1.82] 31005 (?) open	stdout
15:15:10	Netstat:	stdout
15:15:10	Active Internet connections (w/o servers)	stdout
15:15:10	Proto Recv-Q Send-Q Local Address Foreign Address ...	stdout
15:15:10	tcp 0 0 bm98-dump1090-fa1:50802 rpi-adsb1.local:31005 ...	stdout
15:15:10	Active UNIX domain sockets (w/o servers)	stdout
15:15:10	Proto RefCnt Flags Type State I-Node Path	stdout
15:15:10	nc 192.168.1.82 31005 nc localhost 30004	stdout

Details Edit Action Settings

bm98-dump1090-fa1 CPU RAM Stopped

Edit - bm98-dump1090-fa1

General Settings Volume Port Settings Links Environment

Container Name:

Execute container using high privilege

Enable resource limitation

CPU Priority: Low Med High

Memory Limit: MB

Enable auto-restart ?

Create shortcut on desktop

Status page

Web page

Apply Cancel

Details Edit Action Settings

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Edit - bm98-dump1090-fa1

General Settings Volume Port Settings Links Environment

Add File Add Folder Delete

File/Folder	Mount path	<input type="checkbox"/> Read-Only

Details Edit Action Settings

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Edit - bm98-dump1090-fa1

General Settings Volume Port Settings Links Environment

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Local Port	Container Port	Type
Auto	30104	TCP
9090	8080	TCP

Details Edit Action Settings

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Edit - bm98-dump1090-fa1

General Settings Volume Port Settings Links Environment

+ -

variable	Value
PATH	/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sb...
DEBIAN_FRONTEND	noninteractive

```
# More info at:
# https://github.com/bm98/docker-dumpl090
# https://github.com/bm98/dumpl090
# https://github.com/mutability/dumpl090
# https://hub.docker.com/r/tedsluis/dumpl090-mutability
# http://discussions.flightaware.com/post180185.html
# https://www.youtube.com/watch?v=h4YyFDTs6CQ

# This dockerfile can be used to build my fork of the original dumpl090-mutability (v1.15) with
# the heatmap and rangeview features on X86/AMD64 (Intel or AMD cpu's).

# Build it yourself:
#           $ docker build -t bm98/dumpl090-fa:v3.6.2.1 .

# Run it:
#           $ docker run -d -h dump01 -p 8080:80 bm98/dumpl090-fa:v3.6.2.1

# Or run it with a different BEAST source:
#           $ docker run -d -h dump01 -p 8080:80 bm98/dumpl090-fa:v3.6.2.1
# /usr/share/dumpl090-mutability/startdump1090.sh <IP address of your own remote dumpl090 source>

FROM debian:stable

LABEL maintainer="github@mail.burri-web.org"

# Required settings
RUN sed -i 's/exit 101/exit 0/g' /usr/sbin/policy-rc.d
ENV DEBIAN_FRONTEND noninteractive

# Install required packages:
RUN apt-get update && apt-get install -y \
    apt-utils \
    cron \
    curl \
    dialog \
    git \
    lighttpd \
    netcat \
    net-tools \
    python2.7 \
    wget

# Update to the latest software packages:
RUN apt-get update && apt-get upgrade -y

# Install required packages for building dumpl090:
RUN apt-get update && apt-get install -y \
    debhelper \
    dpkg-dev \
    pkg-config \
    libusb-1.0-0-dev \
    pkg-config \
    dh-systemd \
    libncurses5-dev \
    adduser

# Prepare for install
RUN ln /usr/bin/python2.7 /usr/bin/python2
RUN mkdir /tmp/dumpl090
RUN mkdir /var/log/dumpl090-fa
RUN touch /var/log/dumpl090-fa/errlog

# Clone, build and install dumpl090 from source:
RUN cd /tmp/dumpl090 && git clone https://github.com/bm98/dumpl090.git /tmp/dumpl090
RUN cd /tmp/dumpl090 && dpkg-buildpackage -b
RUN cd /tmp && dpkg -i dumpl090-fa_3.6.2.1_amd64.deb

# Download heatmapdata file:
# RUN wget -O /usr/share/dumpl090-mutability/html/heatmapdata.csv https://www.burri-
# web.org/cassini/dl/heatmap.csv
```

```
# Download config files.
# notes:
# This is the place where you can replace the config files with your own URL's.
# If you use other config files, be sure you configure them before building the image. Don't
use the default config files, because you won't be able to configure them!
# RUN wget -O /usr/share/dump1090-fa/html/config.js \
  https://www.burri-web.org/cassini/dl/config.js
# RUN wget -O /etc/default/dump1090-fa \
  https://www.burri-web.org/cassini/dl/dump1090-fa

# Add terrain-limit rings. To enable this:
# create a panorama for your receiver location on heywhatsthat.com
# note the "view" value from the URL at the top of the panorama
# i.e. the XXXX in http://www.heywhatsthat.com/?view=XXXX
# fetch a json file from the API for the altitudes you want to see:
# wget -O /usr/share/dump1090-mutability/html/upintheair.json \
# 'http://www.heywhatsthat.com/api/upintheair.json?id=XXXX&refraction=0.25&alts=3048,9144'
# NB: altitudes are in _meters_, you can specify a list of altitudes
# RUN wget -O /usr/share/dump1090-mutability/html/upintheair.json
'http://www.heywhatsthat.com/api/upintheair.json?id=M7R4MI9M&refraction=0.25&alts=100,1000,1000
0'

# Open the firewall for http and incoming BEAST-format
EXPOSE 8080
EXPOSE 30104

# Expose the error log volume
VOLUME /var/log/dump1090-fa

# Configure the webserver:
# RUN lighty-enable-mod dump1090-fa

# Create startdump1090.sh script
# note: Change the default IP address of the remote dump1090 source in the startdump1090.sh
script or specify the script with the IP address while you start the container!
RUN wget -O /usr/share/dump1090-fa/startdump1090.sh \
  https://www.burri-web.org/cassini/dl/startdump1090.sh
RUN chmod 775 /usr/share/dump1090-fa/startdump1090.sh

# This is the place where you can put your own ADS-B BEAST source.
# Replace the IP address with a dump1090 instance.
RUN sed -i 's/^([\s]+)ip="\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}"/\${1}ip="192.168.1.82"/g'
/usr/share/dump1090-fa/startdump1090.sh

# Add labels
LABEL architecture="AMD64,X86_64"
LABEL dump1090version="v3.6.2.1"

# Start lighttpd web server, BEAST-format input (netcat) and Dump1090
CMD ["/bin/bash", "/usr/share/dump1090-fa/startdump1090.sh"]
```