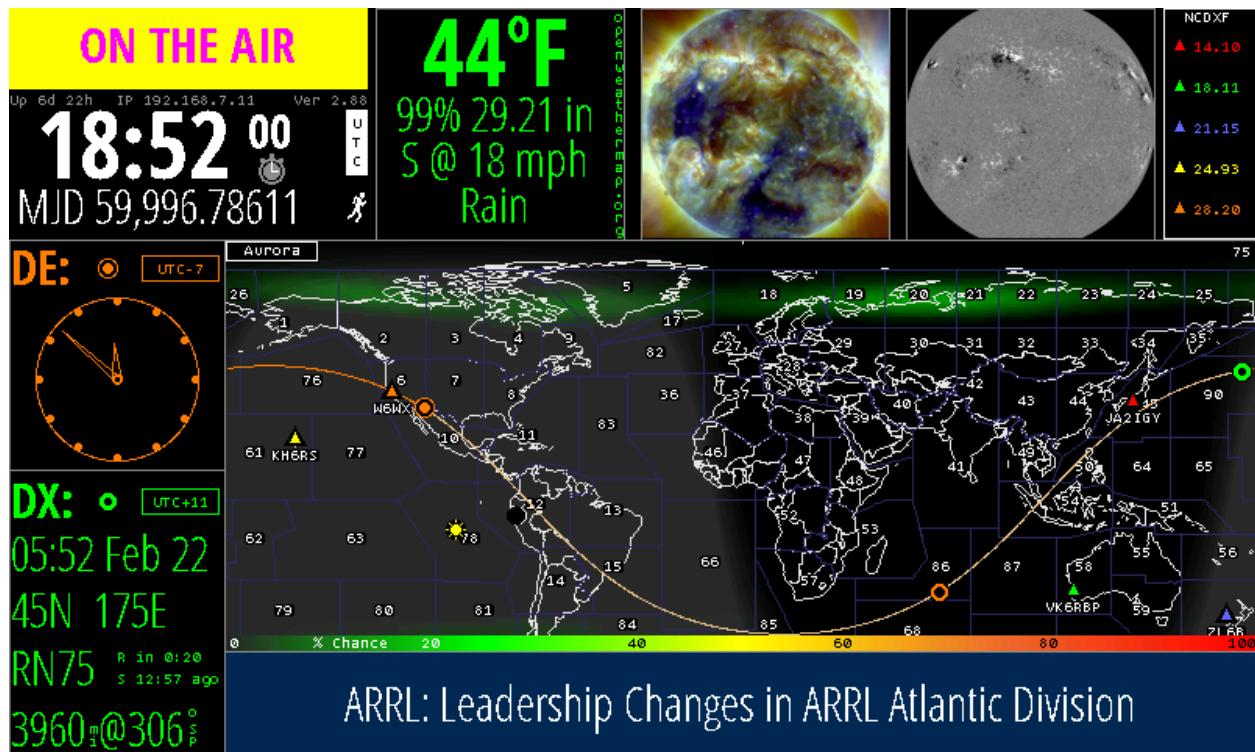


HamClock on ProxMox



How to configure HamClock to operate in an LXC container

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Introduction

Since the introduction of Hamclock 2.8 the most efficient way to view the clock is via a web browser. In this manner it can be easily added to your shack's digital signage carousel. If you operate a ProxMox server to host your various virtual machines and containers, adding Hamclock-Web is somewhat trivial.

Assumptions

A functioning ProxMox server
Familiarity with creating LXC containers on ProxMox

Install the Container

Create a new unprivileged, nesting Debian container with 8GB of disk, 1 CPU core, 512mb of memory and network access.

Update the container

Log into the container and perform the following

```
apt update -y  
apt upgrade -y  
apt install curl unzip build-essential -y
```

Install the software

```
wget https://www.clearskyinstitute.com/ham/HamClock/ESPHamClock.tgz
tar -xvzf ESPHamClock.tgz
cd ~/ESPHamClock
make -j 4 hamclock-web-1600x960
make install
```

Test

Run the hamclock

```
hamclock &
```

Point your browser at http://container_ip_address:8081/live.html

Survive a reboot

Add /usr/local/bin/hamclock to crontab for startup at reboot

```
# start the hamclock
@reboot sleep 15 && /usr/local/bin/hamclock &
```