

# Install WebCDR - Open Source GIT CDR Front End

<https://github.com/ipoddubny/webcdr>

- I chose to install this in a separate VM based upon CentOS 7
- I will mount the recordings via NFS and access the MySQL DB remotely via the FreePBX User
- Major Thanks to the Author, not only for the code, but for helping me customize/install it!

## Install into /opt/:

```
cd ~
cat << 'EOL' >install_webcdr.sh
firewall-cmd --zone=public --add-port=9030/tcp --permanent
firewall-cmd --reload
yum check-update
yum install -y nodejs git httpd nfs-utils nfs-utils-lib
npm -g install bower browserify
cd /opt/
git clone https://github.com/ipoddubny/webcdr.git
cd webcdr/public
bower install --allow-root
cd ..
npm install
npm run build
EOL
chmod +x install_webcdr.sh
./install_webcdr.sh
```

## Setup config.ini

### Configure Remote SQL Params + NFS Mounted Recordings

```
nano /opt/webcdr/config.ini
```

## TimeZone

```
America/New_York
```

<http://php.net/manual/en/timezones.america.php>

**Note:** I changed from MP3 to Wav because thats our Format, this interface supports most HTML5 compatible formats.

```
pattern = /mnt/nfs/monitor/%YYYY%/%MM%/%DD%/*%uniqueid%.wav
```

## Test NFS:

```
mkdir /mnt/nfs
mount $SERVER:/monitor /mnt/nfs/
```

## Make Permanent:

```
umount /mnt/nfs
sudo sh -c 'echo "$SERVER:/monitor /mnt/nfs/ nfs auto 0 0" >> /etc/fstab'
sudo mount -a
```

## Prep Astersikcdrdb

- In my case, I had no ID Column

```
use asteriskcdrdb;
alter table cdr ADD `id` INT NOT NULL AUTO_INCREMENT PRIMARY KEY UNIQUE FIRST;
```

#### Add WebCDR Login Admin:

```
DROP TABLE IF EXISTS `webuser`;
CREATE TABLE `webuser` (
  `id` INT(11) UNSIGNED NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(100) NOT NULL DEFAULT '',
  `username` VARCHAR(100) NOT NULL UNIQUE,
  `password` VARCHAR(100) NOT NULL,
  `acl` VARCHAR(1024) NOT NULL DEFAULT '',
  `created_at` TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
  `admin` INT(1) NOT NULL DEFAULT 0,
  `acl_in` INT(1) NOT NULL DEFAULT 0,
  `auth_ad` INT(1) NOT NULL DEFAULT 0,
  PRIMARY KEY (`id`)
)
ENGINE=InnoDB DEFAULT CHARSET=utf8;

INSERT INTO `webuser` (`name`,`username`,`password`,`admin`) VALUES ('Administrator','admin','admincdr',1);
```

#### Modify WebCDR to use "recordingfile" vs "record" searching asteriskcdrdb:

- I didn't want to change my VoIP Server setup, as its a lot of moving parts, but it used the row name "recordingfile", but WebCDR used, 'record' in its seach params.

- To change this I used the following after contacting Ivan directly to inquire where to make the changes

- find and replace the SINGLE instance of ['record'] (Single ' important as there are multiple entries of the word record without ') in the following 2 files

```
/opt/webcdr/lib/api/cdrs.js
/opt/webcdr/public/js/cdr/CDRView.js
```

```
cd /opt/webcdr/public
bower install --allow-root
cd ..
npm install
npm run build
```

#### Start Server:

```
node /opt/webcdr/server.js
```

Use admin/admincdr to login for the first time.

Debug, Once "ready" implement SystemD script and enable service on boot, restart and confirm working as expected.

SystemD installation example:

```
cat << 'EOL' >/etc/systemd/system/webcdr.service
[Service]
ExecStart=/usr/bin/node /opt/webcdr/server.js
Restart=always
StandardOutput=syslog
StandardError=syslog
SyslogIdentifier=webcdr
User=root
Group=root

[Install]
WantedBy=multi-user.target
EOL
systemctl start webcdr.service
systemctl status webcdr.service
systemctl enable webcdr.service
reboot
```

Test & Profit!