

# IP Audio Center Management System



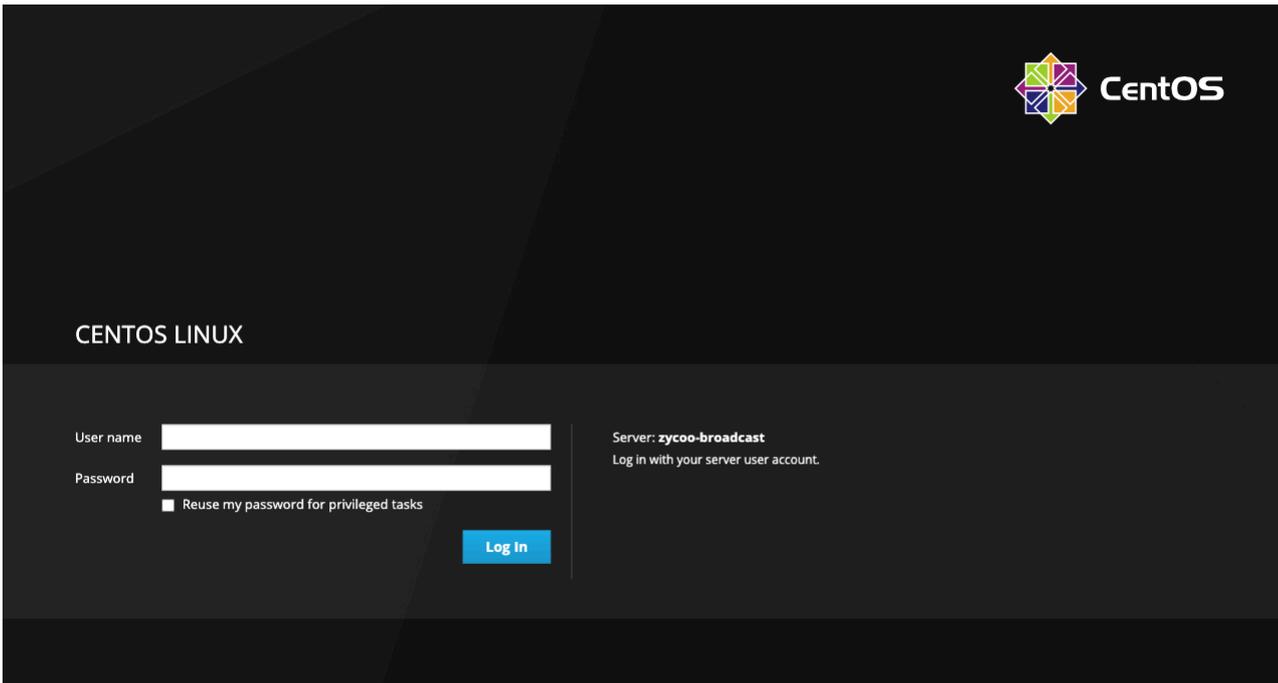
# IP Audio Center Management System

## Administrator Guide

Note: Please follow the instruction in this document to modify the system settings. For sections that are not described in this document, we do not recommend non-professional personnel to make any changes to those system settings, otherwise ,the system may not work properly due to incorrect configurations.

### 1. The management system access is your IP address + port 9090, <https://YOURSYSTEMIP:9090>

For example: <https://192.168.11.188:9090/>

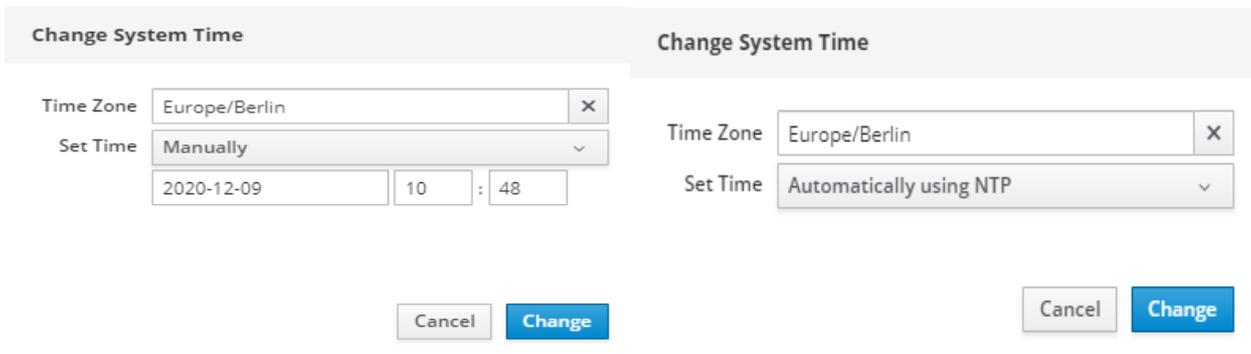


Please login the system by using the root account's username and password.

**Default Username:** root

**Default Password:** [IPAudioCenter@zycoo.com](mailto:IPAudioCenter@zycoo.com)

### 2. For changing the system's time and time zone, please click on the 'System Time' on the System page.

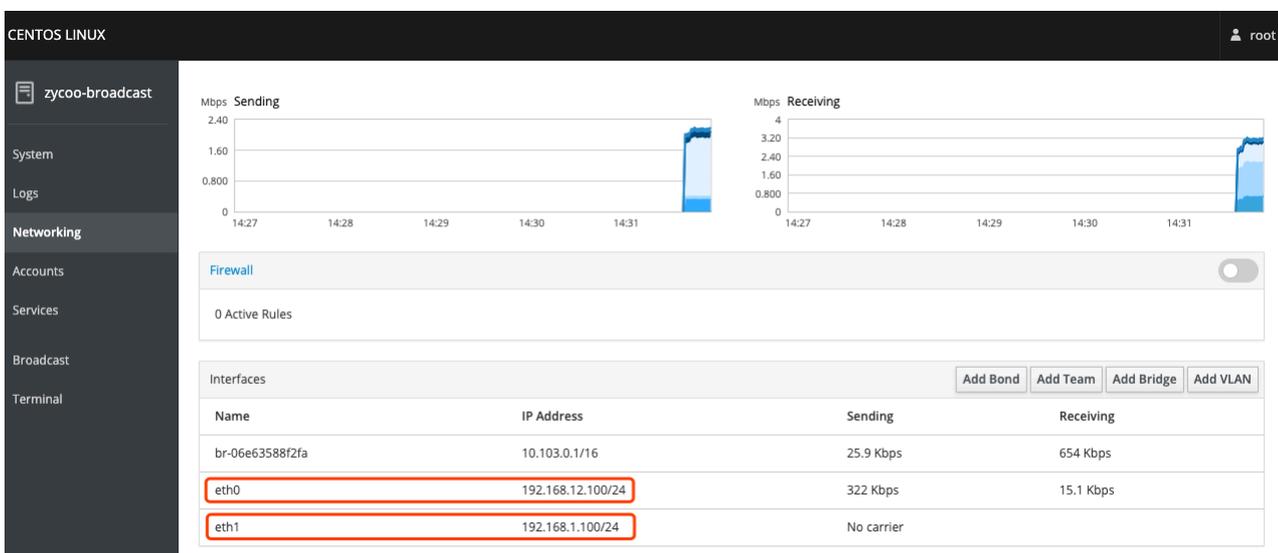


**Time Zone:** This setting represents the system's time zone.

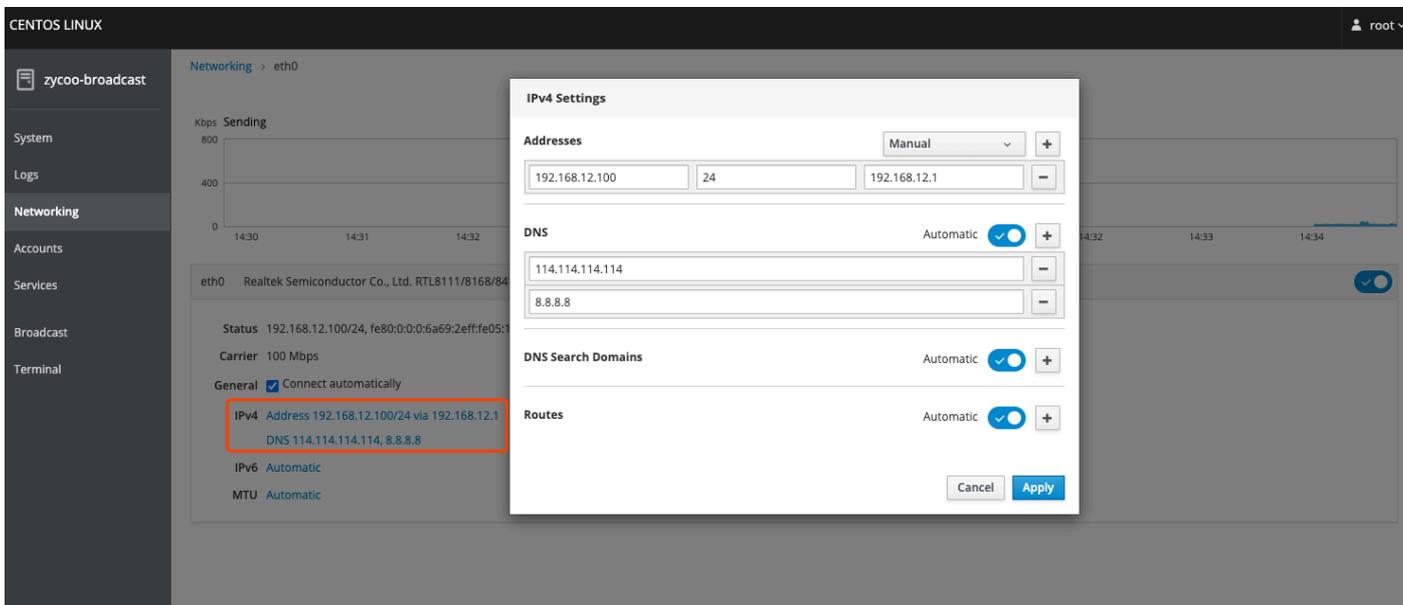
**Set Time:** This setting represents the ways of setting the time zone, you can set the time Manually or Automatically using NTP

### 3. Modify network IP address, IPv4 network settings

Please click on the Networking option from the left navigation bar.



Setting up the static address on networking: please enter the Address, Netmask, and Gateway information, then click the button on Apply.



Setting up a DNS server address, you may add or delete a DNS server address by clicking the '+' or '-' button, then click the button on Apply.

**IPv4 Settings**

Addresses Automatic (DHCP) +

**DNS** Automatic +

114.114.114.114 -

8.8.8.8 -

DNS Search Domains Automatic +

Routes Automatic +

Cancel Apply

Note: The br- and docker0 are the two system default interfaces, and it is not recommended to make any changes to these two interfaces.

Name	IP Address	Sending	Receiving
br-3564b1861427	10.103.0.1/16	99.8 Kbps	158 Kbps
docker0	172.17.0.1/16	No carrier	
eth0	192.168.12.145/24	383 Kbps	101 Kbps
eth1	192.168.1.100/24	No carrier	

#### 4. System Backup

Please click on the Broadcast --> Backup option from the menu.

CENTOS LINUX root

zycoo-broadcast

- System
- Logs
- Networking
- Accounts
- Services
- Broadcast**
- Terminal

Backup Log Multicast HotStandBy Ethernet Capture

After the automatic backup function is enabled, the system will automatically backup the system on a daily basis and store the latest 5 days of backup files.

Date	Size	FileName	Action
暂无数据			

Backup Data:  Configuration Files  Music Files  Recordng Files

Automatic Backup

Manual Backup Select Backup File Upload

only the backup files downloaded from our system is allowed to upload here.

**Restore:** Restore the system by the backup file

**Download:** Download the backup file

**Delete:** Delete the backup

Backup Data:

**Configuration files:** The backup of all the configuration files is mandatory.

**Music files:** The backup of all the music/audio files are optional because the music files can be large.

**Recording files:** The backup of all the recording files is optional because recording files can be large.

**Automatic Backup:** This setting represents the turn on/off of the automatic backup feature.

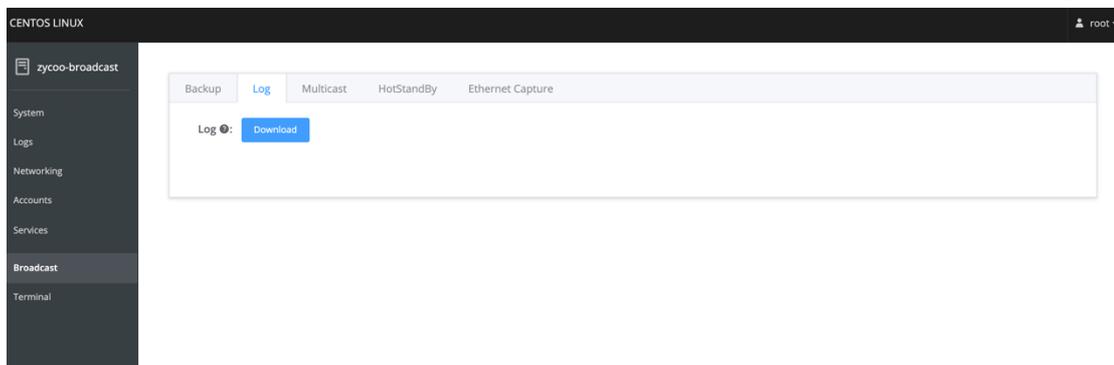
**Manual Backup:** You may choose to backup the system manually by clicking the 'Manual Backup' button to backup the current system.

**Select Backup File:** Select the appropriate backup file, only the backup file downloaded from this system is allowed to upload here.

**Upload:** Click on the 'Upload' button to upload the selected backup file.

## 5. Log Download

Please click on the Broadcast --> Log option from the menu.



**Download:** download the system log file.

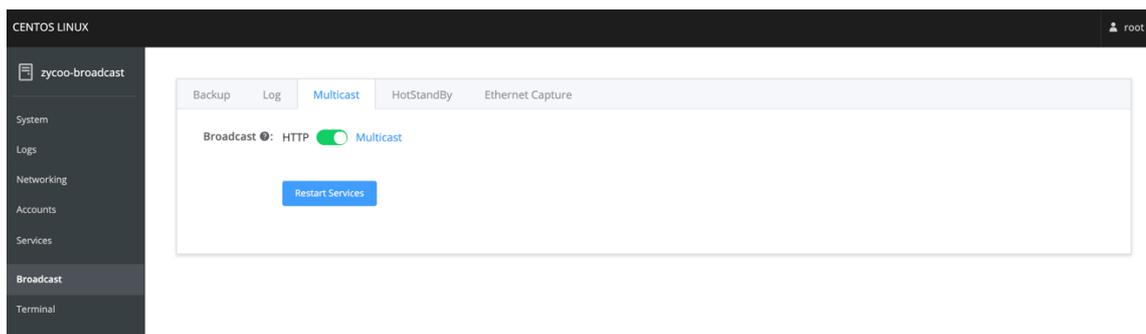
## 6. Multicast

Please click on the Broadcast --> Multicast option from the menu.

This page provides you the option to choose the broadcasting methods. You can use either the HTTP streaming or Multicast.

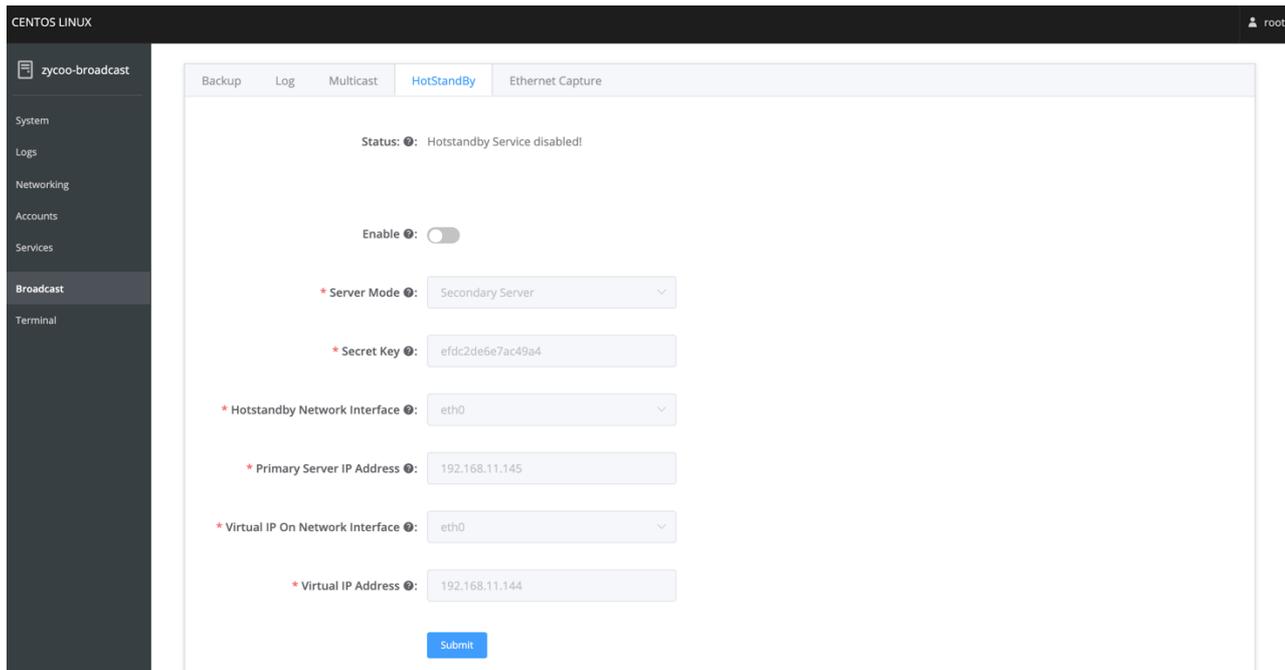
**HTTP:** HTTP Streaming is a push-style data transfer technique that allows server to send data to a client over a single HTTP connection continuously. It is commonly use when your server is on the public or cloud.

**Multicast:** The Multicast method result in a better music sync effect, but it can only apply to local network.



## 7. Hot-Standby

Please click on the Broadcast --> HotStandby option from the menu.



The screenshot shows the 'HotStandby' configuration page in the 'zycoo-broadcast' application. The page has a dark sidebar on the left with a menu including System, Logs, Networking, Accounts, Services, Broadcast, and Terminal. The main content area has a top navigation bar with tabs for Backup, Log, Multicast, HotStandBy (selected), and Ethernet Capture. The configuration form includes:

- Status: Hotstandby Service disabled!
- Enable: A toggle switch currently turned off.
- Server Mode: A dropdown menu set to 'Secondary Server'.
- Secret Key: A text input field containing 'efd2de6e7ac49a4'.
- Hotstandby Network Interface: A dropdown menu set to 'eth0'.
- Primary Server IP Address: A text input field containing '192.168.11.145'.
- Virtual IP On Network Interface: A dropdown menu set to 'eth0'.
- Virtual IP Address: A text input field containing '192.168.11.144'.
- A blue 'Submit' button at the bottom.

**Status:** The service's status of the Hot-Standby

**Enable:** Turn on/off the Hot-Standby service.

**Server Mode:** Choose this server to work as a primary or secondary server.

**Secret key:** The Secret key uses for the authenticated connection with the two servers, therefore the Secret Key of the two servers must be exactly the same.

**Hot-standby Network Interface:** The data transmission interface uses for the Hot Standby service, heartbeat detection, etc.

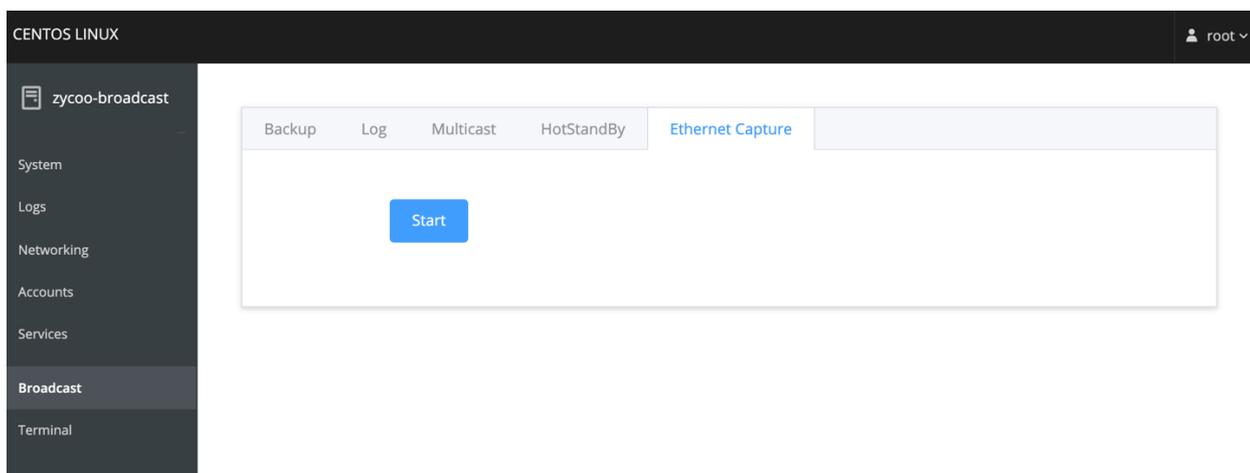
**Primary/Secondary Server IP Address:** The primary/secondary server's IP address.

**Virtual IP On Network Interface:** The Network Interface using in the virtual machine, eg:eth0/eth1

**Virtual IP Address:** The Virtual IP address must be not used in the current LAN and it has to be in the same subnet as the primary IP address. This virtual IP address on both primary and secondary servers need to stay the same.

## 8. Ethernet Capture

The purpose of the Ethernet capture tool is to capture ethernet network packets and then use in a standard Wireshard compatible packet capture '.pacp' file for immediate viewing and data analyzing.



The screenshot shows the 'Ethernet Capture' page in the 'zycoo-broadcast' application. The sidebar and top navigation bar are the same as in the previous screenshot. The main content area has a top navigation bar with tabs for Backup, Log, Multicast, HotStandBy, and Ethernet Capture (selected). The page contains a single blue 'Start' button.

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