

IP Audio Center Management System



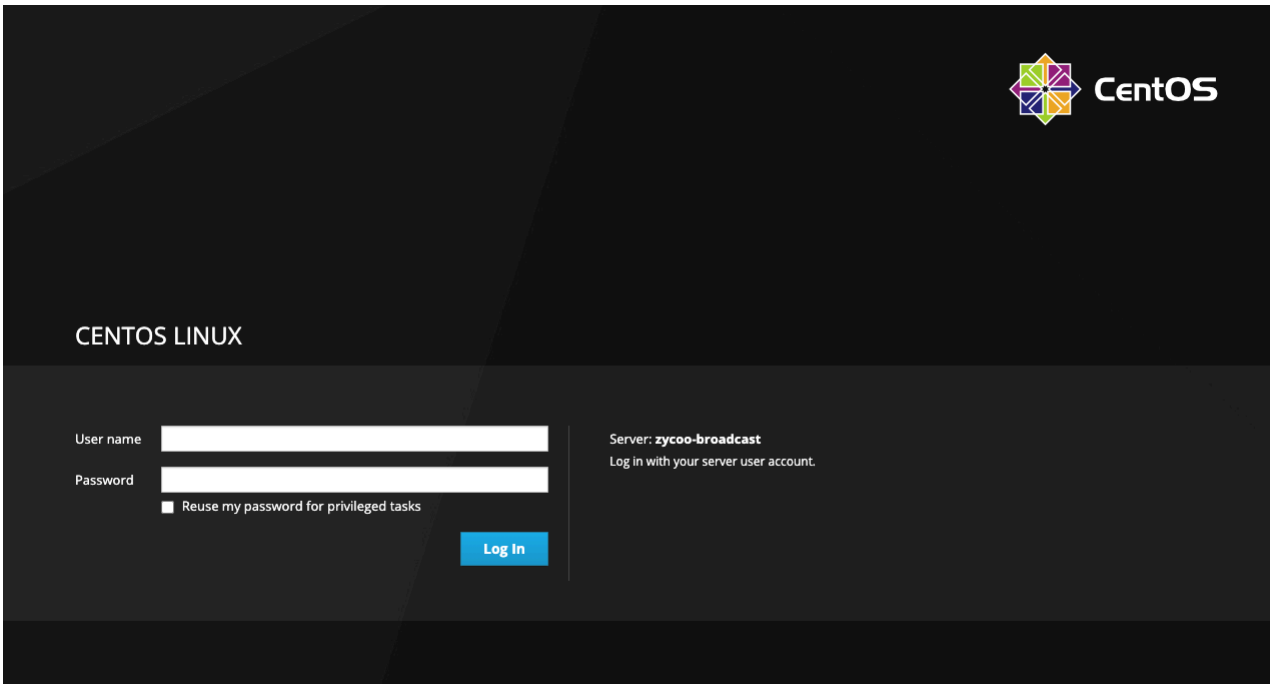
IP Audio Center Management System

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/>



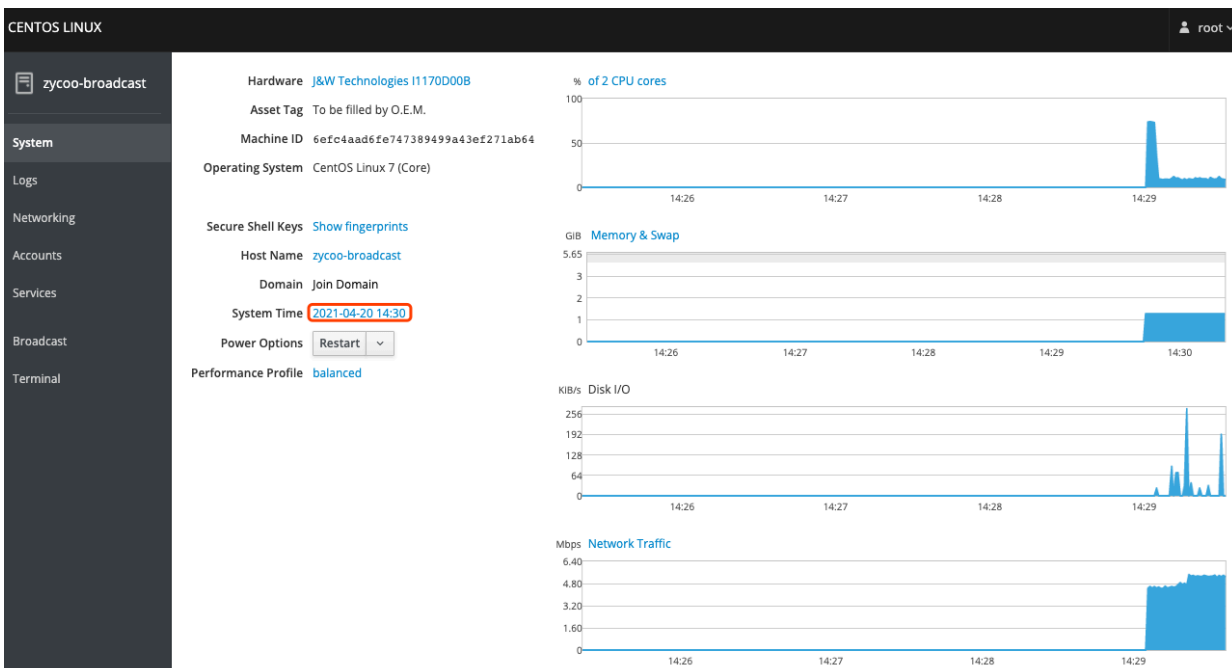
The image shows the CentOS Linux login interface. At the top right is the CentOS logo. Below it, the text "CENTOS LINUX" is displayed. The login form includes fields for "User name" and "Password". A checkbox labeled "Reuse my password for privileged tasks" is present. A "Log in" button is located below the password field. To the right of the login fields, the server name "zycoo-broadcast" is shown, along with the instruction "Log in with your server user account."

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

Default Username: root

Default Password: IPAudioCenter@zycoo.com

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



Change System Time

Time Zone

Set Time

:

Change System Time

Time Zone

Set Time

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.

CENTOS LINUX

root

zycoo-broadcast

System

Logs

Networking

Accounts

Services

Broadcast

Terminal

Mbps Sending

Mbps Receiving

Firewall

0 Active Rules

Interfaces

Add Bond

Add Team

Add Bridge

Add VLAN

Name	IP Address	Sending	Receiving
br-06e63588f2fa	10.103.0.1/16	25.9 Kbps	654 Kbps
eth0	192.168.12.100/24	322 Kbps	15.1 Kbps
eth1	192.168.1.100/24	No carrier	

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

CENTOS LINUX

root

zycoo-broadcast

System

Logs

Networking

Accounts

Services

Broadcast

Terminal

Networking

eth0

Kbps Sending

eth0 Realtek Semiconductor Co., Ltd. RTL8111/8168/84

Status 192.168.12.100/24, fe80:0:0:6a69:2eff:fe05:1

Carrier 100 Mbps

General ☒ Connect automatically

IPv4 Address 192.168.12.100/24 via 192.168.12.1

DNS 114.114.114.114, 8.8.8.8

IPv6 Automatic

MTU Automatic

IPv4 Settings

Addresses

Manual

192.168.12.100

24

192.168.12.1

DNS

Automatic

114.114.114.114

8.8.8.8

DNS Search Domains

Automatic

Routes

Automatic

Cancel

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.

Interfaces				Add Bond	Add Team	Add Bridge	Add VLAN
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

zycoo-broadcast

System

Logs

Networking

Accounts

Services

Broadcast

Terminal

root

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
 ☐ Recording 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

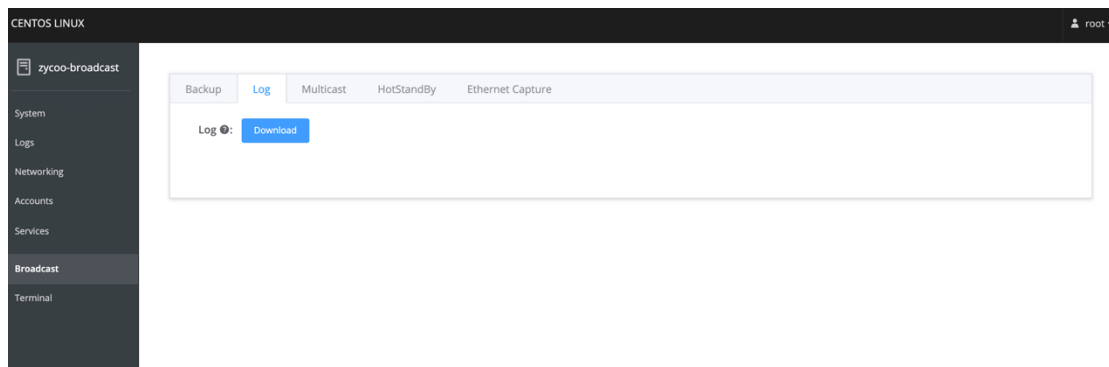
Backup Data:

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.

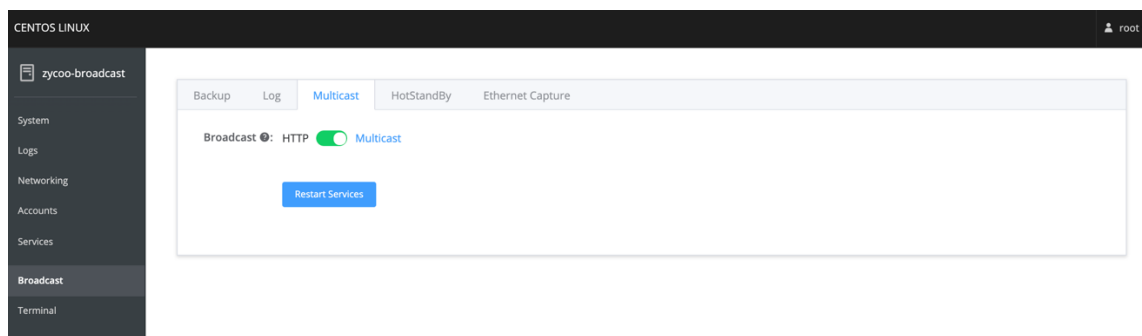
6. Multicast

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 window within the 'zycoo-broadcast' application. The interface has a dark sidebar on the left with a menu including System, Logs, Networking, Accounts, Services, Broadcast (selected), and Terminal. The main panel has tabs for Backup, Log, Multicast, HotStandBy (active), and Ethernet Capture. The HotStandBy configuration includes a status message 'Status: Hotstandby Service disabled!', an 'Enable' toggle switch, and several input fields: 'Server Mode' (Secondary Server), 'Secret Key' (efdc2de6e7ac49a4), 'Hotstandby Network Interface' (eth0), 'Primary Server IP Address' (192.168.11.145), 'Virtual IP On Network Interface' (eth0), and 'Virtual IP Address' (192.168.11.144). A 'Submit' button is 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' configuration window within the 'zycoo-broadcast' application. The sidebar is the same as in the previous screenshot. The main panel has tabs for Backup, Log, Multicast, HotStandBy, and Ethernet Capture (active). The Ethernet Capture configuration is simple, featuring a single 'Start' button.

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ZYCOO, NEEQ Code 839487, is the leading developer and manufacturer of IP telephony devices and related systems, devoting itself over the past years to R&D powerful and scalable voice over IP (VoIP) solutions that mainly serve the SMEs market and industry filed.

