Yeastar P-Series Cloud PBX

Deployment Information
- Cloud Platform
- Data Center

Before You Begin

Refer to the [Yeastar P-Series Cloud PBX Deployment Guide](#) and complete the following steps.

➢ Step 1. Prepare your servers and network.

➢ Step 2. Deploy YCM Server, SBC Server, SBC Proxy Server, and PBXHub Server.

After that, complete this form and provide the requested HTTPS certificate in a protected *.zip* file to Yeastar. We will check the configurations and contact you to arrange the installation on your servers.

> ⚠ **Note that** this form is suitable for **basic deployment architecture**. If you would like to deploy more than one set of servers to implement High Availability performance, contact Yeastar Sales Representative.

Company and Contact Information

Provide your company name and technical contact.

Company Name

Technical Contact Name

Contact Number

Contact Email

Deployment Information

Deployment Environment

Provide the information of your deployment environment.

Cloud Platform / Virtual Machine:

Data Center：   Yes   No

YCM Server

Provide detailed information of the YCM Server.

❖ **YCM Server LAN IPv4 / mask**

> ⚠ The IP segments **MUST** be **10.0.0.0/8**, **172.16.0.0/12** or **192.168.0.0/16**.

   LAN IPv4 / mask:

❖ **Elastic IP (Fixed Public IPv4 Address)**

   Elastic IP address:

❖ **SSH Login**

> ⚠ **Strong** password is recommended for security purpose;
>
>   Do **NOT** use the same password of other servers.

● Confirm that you have finished the following required operations.

   Change SSH port to 1022.

   🔗 How to change SSH port?

   Create a "yeastar" user.

   🔗 How to create a "yeastar" user?

- Provide your SSH login credential.

  Username: <u>yeastar</u>

  Password:

❖ **YCM Domain**

- Domain Level Choice:

- Domain Name:

❖ **Domain Forwarding**

  Forward YCM domain to the public IP address of YCM Server.

  🔗 [How to forward domains?](#)

SBC Server

Provide detailed information of the SBC Server.

❖ **Security and Port Forwarding**

  Does the SBC Server have firewall or in a security group?

    Yes (Forward all ports 1-65535)

    No

❖ **SBC Server LAN IPv4 / mask**

  ⚠️ The IP segments **MUST** be **10.0.0.0/8**, **172.16.0.0/12** or **192.168.0.0/16**.

  LAN IPv4 / mask:

❖ **Elastic IP (Fixed Public IPv4 Address)**

  Elastic IP address:

❖ **SSH Login**

> ⚠️ **Strong** password is recommended for security purpose;
>
> Use the same password of SBC Proxy Servers.

● Confirm that you have finished the following required operations.

Change SSH port to 1022.

🔗 [How to change SSH port?](#)

Create a "yeastar" user.

🔗 [How to create a "yeastar" user?](#)

● Provide your SSH login credential.

Username: <u>yeastar</u>

Password:

❖ **Domain Forwarding**

Wildcard domain of Cloud PBXs:

Forward wildcard domain of Cloud PBXs to the public IP address of SBC Server.

🔗 [How to forward domains?](#)

SBC Proxy Server

Provide detailed information of the SBC Proxy Server.

❖ **SBC Proxy Server LAN IPv4 / mask**

> ⚠️ The IP segments **MUST** be **10.0.0.0/8**, **172.16.0.0/12** or **192.168.0.0/16**.

LAN IPv4 / mask:

❖ **Elastic IP (Fixed Public IPv4 Address)**

Elastic IP address:

❖ **SSH Login**

> ⚠️ **Strong** password is recommended for security purpose;
>
>   Use the same password of SBC Servers.

● Confirm that you have finished the following required operations.

  Change SSH port to 1022.

  🔗 How to change SSH port?

  Create a "yeastar" user.

  🔗 How to create a "yeastar" user?

● Provide your SSH login credential.

  Username: yeastar

  Password:

❖ **Domain Forwarding**

> ⚠️ The wildcard domain of SBC Proxy Server is related to the wildcard domain of Cloud
> PBXs. For example, if the wildcard domain of Cloud PBX is *.cloud.example.com*, then the
> wildcard domain of SBC Proxy Server should be *.proxy1.cloud.example.com*.

Wildcard domain of SBC Proxy Server:

  Forward wildcard domain of SBC Proxy Server to the its public IP address.

  🔗 How to forward domains?

PBXHub Server

Provide detailed information of the PBXHub Server.

❖ **PBXHub Server LAN IPv4 / mask**

> ⚠️ The IP segments **MUST** be **10.0.0.0/8**, **172.16.0.0/12** or **192.168.0.0/16**.

  LAN IPv4 / mask:

❖ **SSH Login**

> ⚠ **Strong** password is recommended for security purpose;
>
> Do **NOT** use the same password of other servers.

● Confirm that you have finished the following required operations.

   Change SSH port to 1022.

   🔗 [How to change SSH port?](#)

   Create a "yeastar" user.

   🔗 [How to create a "yeastar" user?](#)

● Provide your SSH login credential.

   Username: <u>yeastar</u>

   Password:

YCM Administrator Account

Provide the administrator account to log in to the YCM web interface.

❖ **Email Address**

> 📝 The administrator email address cannot be changed.

❖ **Login Password**

> 📝 **Strong** password without special characters.

SMTP Settings

❖ **Email Address**

❖ **Email Password**

❖ **SMTP Host, Port**

❖ **Enable SSL/TLS**

      Yes

      No

YCM Alarm Notifications

⚠ When there is abnormal condition occurs on servers, YCM Server will send alarm notifications to notification contacts via email. Therefore, you need to add at least one notification contacts to receive the system alarm. Notifications contacts can be modified afterwards.

❖ **Alarm Contact Name**

❖ **Alarm Contact Email**

Allow Yeastar Security Operations to receive **Alert**-level alarm notifications.

⚠ If allowed, we will add the email address of Yeastar Security Operations (secops@yeastar.com) to the Notification Contacts to receive the Alert-level notifications, and help you deal with the server problems.

HTTPS Certificates

Compress the HTTPS certificates into zip file, and send the file to Yeastar.

📝 Yeastar P-Series Cloud PBX uses **NGINX** as web server, you need to choose the

HTTPS certificates for a NGINX server.

🔗 Supported CA Certificates

❖ **Certificate Authority**

Router Settings

⚠️ On the router that acts as the gateway for the network where the SBC Server and SBC

Proxy Server reside, complete the following settings to ensure that the servers can PING the

gateway for connectivity checks, and avoid potential issues with VoIP calls.

● Confirm that you have finished the following required settings on the router.

Allow PING requests from the LAN

Disable SIP ALG

References

How to change SSH port to 1022?

1. Log in SSH, enter the following command to change the configuration file.

```
vi /etc/ssh/sshd_config
```

2. Change the SSH port to 1022 and save the configuration file.

```
# What ports, IPs and protocols we listen for

Port 1022

......
```

How to create user "yeastar" ?

Log in SSH, enter the following command:

```
adduser yeastar

gpasswd -a yeastar sudo
```

How to forward domains?

➤ **Forward the domain of YCM server to the YCM public IP address.**

> *Example*
>
> YCM domain: ycm.*yeastar.com*
> YCM Public IP: 123.123.123.123
> ✓ Forward *ycm.yeastar.com* to *123.123.123.123*.

➤ **Forward the wildcard domain of SBC Proxy server to the SBC Proxy public IP address.**

> *Example*
>
> SBC Proxy domain: pbx1.proxy1.*yeastarcloud.com*
> SBC Proxy Public IP: 124.124.124.124
> ✓ Forward **.proxy1.yeastarcloud.com* to *124.124.124.124*.

➤ **Forward the wildcard domain of Cloud PBXs to SBC public IP address.**

> *Example*
>
> PBX domain: *pbx1.yeastarcloud.com*
> SBC Public IP: 125.125.125.125
> ✓ Forward **.yeastarcloud.com* to *125.125.125.125*.

➢ **Forward the wildcard domain of Cloud PBXs to CLB public IP address.**

> *Example*
>
> **PBX domain**: *pbx1.yeastarcloud.com*
>
> **CLB Public IP**: 126.126.126.126
>
> ✓ Forward **.yeastarcloud.com* to *126.126.126.126*.

Supported CA Certificates

- [Supported CA Certificates on Yealink Phones V83](#)
- [Supported CA Certificates on Yealink Phones V84](#)
- [Supported CA Certificates on Yealink Phones V85](#)