Yeastar P-Series Cloud PBX
Deployment Information Form
(High Availability)

Before You Begin

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

➢ Step 1. Determine server requirements based on your business scale.

➢ Step 2. Deploy servers (YCM Server, Load Balancer, SBC Servers, SBC Proxy Servers, and PBXHub Servers) on your desired platform.

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 server image installation on your servers.

Customer Information

Provide your company name and technical contact.

Company Name

Contact Name

Contact Number

Contact Email

Infrastructure Information

Provide the information for your deployment environment, servers, networking, and access.

Deployment Environment

Cloud Platform

Data Center

YCM Server

Provide detailed information of the YCM Server.

Checklist	❖ **Network**
	The server's private IP address is within the allowed ranges:
	- *10.0.0.0/8*
	- *172.16.0.0/12* *(*excluding 172.17.x.x and 172.19.x.x)*
	- *192.168.0.0/16*
	YCM domain is forwarded to the public IP address of YCM Server. [How?]
	❖ **SSH Access**
	SSH port changed to *1022*. [How?]
	System user "yeastar" created. [How?]

Server Information	LAN IPv4 / Mask	Public IPv4 Address
	SSH Login Username	SSH Login Password
	yeastar	
		*Use a strong password to enhance security.

Domain Name	Domain Level	Full Domain Name

SBC Server

Provide detailed information of the Load Balancer and SBC Servers.

Checklist (for each server)	❖ **Security & Network**
	For the SBC Server behind a firewall/security group, open all ports (*1-65535*) to it.
	The server's private IP address is within the allowed ranges:
	- *10.0.0.0/8*
	- *172.16.0.0/12* *(*excluding 172.17.x.x and 172.19.x.x)*
	- *192.168.0.0/16*
	The wildcard domain of Cloud PBXs is forwarded to the public IP address of Load Balancer. [How?]

❖ **SSH Access**

SSH port changed to 1022. [How?]

System user "yeastar" created. [How?]

Server Information	❖ **Load Balancer**	
	LAN IPv4 / Mask	Public IPv4 Address
	SSH Login Username yeastar	SSH Login Password *Use a strong password to enhance security.*
	❖ **SBC Server 1**	
	LAN IPv4 / Mask	Public IPv4 Address
	SSH Login Username yeastar	SSH Login Password *Use a strong password to enhance security.*
	❖ **SBC Server 2**	
	LAN IPv4 / Mask	Public IPv4 Address
	SSH Login Username yeastar	SSH Login Password *Use a strong password to enhance security.*

Domain Name	Wildcard Domain of Cloud PBXs

SBC Proxy Server

Provide detailed information of the SBC Proxy Servers.

Checklist (for each server)	❖ **Network**
	The server's private IP address is within the allowed ranges:
	- *10.0.0.0/8*
	- *172.16.0.0/12* (*excluding 172.17.x.x and 172.19.x.x)*
	- *192.168.0.0/16*
	The wildcard domain of SBC Proxy Server is forwarded to the its public IP address. [How?]
	SBC Proxy Server's wildcard domain is a subdomain of the Cloud PBX's wildcard domain. For example, if the Cloud PBX wildcard domain is *.cloud.yeastar.com*, then the SBC Proxy Server domain should be *.proxy1.yeastar.com*.
	❖ **SSH Access**
	SSH port changed to 1022. [How?]
	System user "yeastar" created. [How?]
Server Information	❖ **SBC Proxy Server 1**
	LAN IPv4 / Mask
	SSH Login Username SSH Login Password
	yeastar
	Use a strong password to enhance security.
	❖ **SBC Proxy Server 2**
	LAN IPv4 / Mask
	SSH Login Username SSH Login Password
	yeastar
	Use a strong password to enhance security.
	❖ **NAT Mapping (for external access)**
	Virtual Private IP (IPv4) Public IPv4 IP Address
Domain Name	Wildcard Domain of SBC Proxy Server

PBXHub Server

Provide detailed information of the PBXHub Servers.

Checklist (for each server)	❖ **Network**
	The server's private IP address is within the allowed ranges:
	● *10.0.0.0/8*
	● *172.16.0.0/12* (*excluding 172.17.x.x and 172.19.x.x)
	● *192.168.0.0/16*
	❖ **SSH Access**
	SSH port changed to 1022. [How?]
	System user "yeastar" created. [How?]

Server Information	❖ **PBXHub Server 1**	
	LAN IPv4 / Mask	
	SSH Login Username	SSH Login Password
	yeastar	
		Use a strong password to enhance security.
	❖ **PBXHub Server 2**	
	LAN IPv4 / Mask	
	SSH Login Username	SSH Login Password
	yeastar	
		Use a strong password to enhance security.

System Configurations

Define settings for management, notifications, and security.

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

Provide your email server details to send system notifications from YCM.

Email Address

Email Password

SMTP Host, Port

Enable SSL/TLS   Yes   No

YCM Alarm Notifications

Provide at least one notification contact to receive system alarms from YCM Server when abnormalities occur.

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

Provide HTTPS certificates compatible with an **NGINX** server, compressed in a **zip** file for Yeastar.
[Supported CA Certificates]

Certificate Authority

Router Settings

On the gateway router for the network where your SBC Server and SBC Proxy Server reside, verify the following configurations to ensure server connectivity and stable VoIP calls.

Allow PING requests from the LAN

Disable SIP ALG

SSH Access Authorization

⚠️ To ensure effective and timely technical support, Yeastar requires SSH access to your servers. And if necessary, we will upgrade the middleware program of the system to avoid damage caused by third-party vulnerabilities.

Please confirm that you are aware of these requirements (SSH access and potential system updates) and are willing to accept the associated potential risks. If you have any questions, please contact Yeastar.

AGREE - I agree with that and will keep SSH access opening to Yeastar.

DECLINE - I will close the SSH connection after installation.

References

How to change SSH port to 1022?

1. Log in via SSH and run the following command to modify 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" ?

1. Log in via SSH.
2. Enter the following commands:

   adduser yeastar

   Gpasswd -a yeastar sudo

How to forward domains?

Forward Target	Domain Type	Destination IP	Example
YCM Server	Full Domain	YCM Server's Public IP	Forward ycm.yeastar.com → 123.123.123.123
SBC Proxy Server	Wildcard domian	SBC Proxy's Public IP	Forward *.proxy1.yeastarcloud.com → 124.124.124.124
Cloud PBXs **Single Node**	Wildcard domain	SBC Server's Public IP	Forward *.yeastarcloud.com → 125.125.125.125
Cloud PBXs **High Availability**	Wildcard domain	Load Balancer's Public IP	Forward *.yeastarcloud.com → 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](#)
- [Supported CA Certificates on Yealink Phones V86](#)