



Yealink Meeting Server Network Deployment Guide

Version 20.0.0.5
Dec.2018

About This Guide

This guide introduces how to deploy and configure YMS.

The deployment structure of YMS includes standard version and enterprise version, also called the stand-alone deployment and the cluster deployment.

In This Guide

This guide contains the following chapters:

- [Stand-Alone Deployment](#) on page 1
- [Cluster Deployment](#) on page 20

Summary of Changes

Changes for Release 20, Guide Version 20.0.0.5

The following section are new for this version:

- [Cluster Deployment](#) on page 20

Major updates have occurred to the following sections:

- [Scenario 1: A Single Network Adapter in the Internal Network](#) on page 1
- [Scenario 2: A Single Network Adapter in the External Network](#) on page 3
- [Scenario 3: A Single Network Adapter and Static NAT](#) on page 5
- [Scenario 4: Dual Network Adapters in the Internal Network and the External Network](#) on page 11
- [Scenario 5: Dual Network Adapters and Static NAT](#) on page 14

Changes for Release 23, Guide Version 10.23.0.60

Major updates have occurred to the following section:

- [Port Mapping Requirements](#) on page 5

Table of Contents

About This Guide	iii
In This Guide.....	iii
Summary of Changes.....	iii
Changes for Release 20, Guide Version 20.0.0.5	iii
Changes for Release 23, Guide Version 10.23.0.60	iii
Table of Contents.....	v
Stand-Alone Deployment.....	1
Scenario 1: A Single Network Adapter in the Internal Network	1
Setting the Network.....	1
Setting the Primary Domain Name and the Web Service Address.....	2
Setting the Registration Service.....	2
Registering the Device.....	3
Scenario 2: A Single Network Adapter in the External Network.....	3
Setting the Network.....	3
Setting the Primary Domain Name and the Web Service Address.....	4
Setting the Registration Service.....	4
Registering the Device.....	5
Scenario 3: A Single Network Adapter and Static NAT	5
Port Mapping Requirements	5
Setting the Network.....	6
Setting the Primary Domain Name and the Web Service Address.....	8
Setting the Registration Service.....	8
Registering the Device.....	10
Scenario 4: Dual Network Adapters in the Internal Network and the External Network	11
Setting the Network.....	11
Setting the Primary Domain Name and the Web Service Address.....	12
Setting the Registration Service.....	12
Registering the Device.....	13
Scenario 5: Dual Network Adapters and Static NAT	14
Port Mapping Requirements	14
Setting the Network.....	15
Setting the Primary Domain Name and the Web Service Address.....	16
Setting the Registration Service.....	16
Registering the Device.....	19
Cluster Deployment	20
Port Mapping Requirements	21
Setting the Network.....	22
Setting the Primary Domain Name and the Web Service Address	22

Configuring the Address Port Mapping.....	23
Setting the Registration Service	23
Configuring the Address Port Mapping.....	24
Registering the Device	25

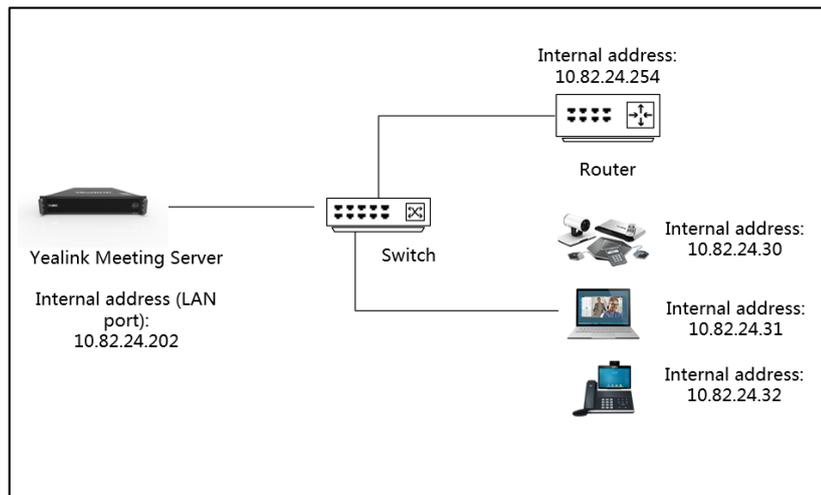
Stand-Alone Deployment

Scenario 1: A Single Network Adapter in the Internal Network

Setting the Network

If you register YMS accounts, place point-to-point calls or join video conferences only in the internal network, you can deploy YMS by this method.

You just need configure the internal network adapter on YMS to finish the deployment.



Procedure:

1. Log into YMS, and click **System Setting->Node Management**.
2. Click  and the server will identify the IP address of the internal network adapter by default, and then configure the network parameter to ensure the network connectivity.

Note

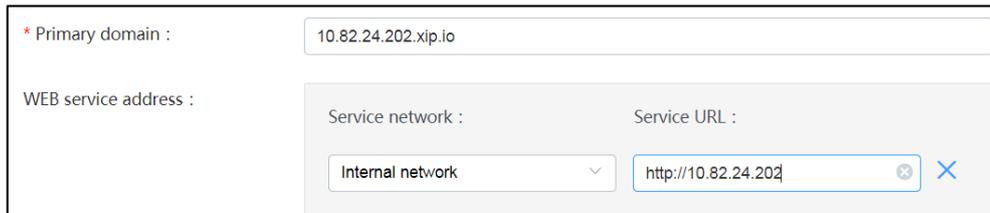
Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. The web service address is used for the devices to access the server or the YMS contacts, to download the firmware from the server and so on.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.



* Primary domain : 10.82.24.202.xip.io

WEB service address :

Service network : Internal network

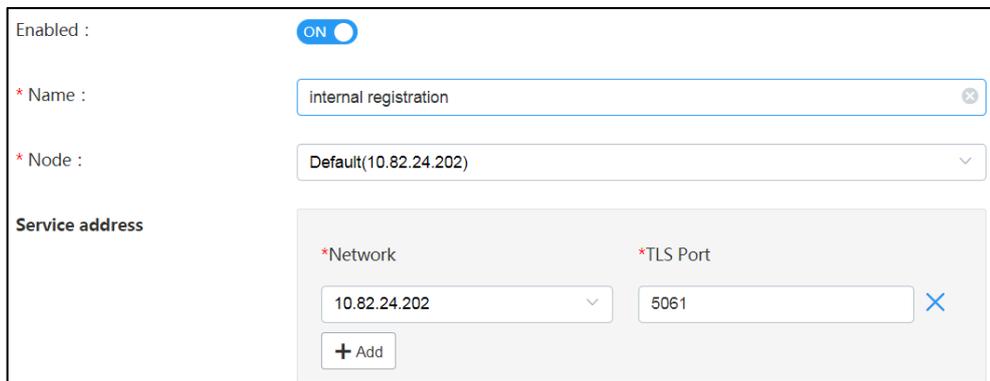
Service URL : http://10.82.24.202

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Setting the Registration Service

Procedure:

1. Log into YMS, and click **Service->SIP Service->Registration Service->Add**.
2. Configure the registration service for the internal network.



Enabled : ON

* Name : internal registration

* Node : Default(10.82.24.202)

Service address

*Network : 10.82.24.202

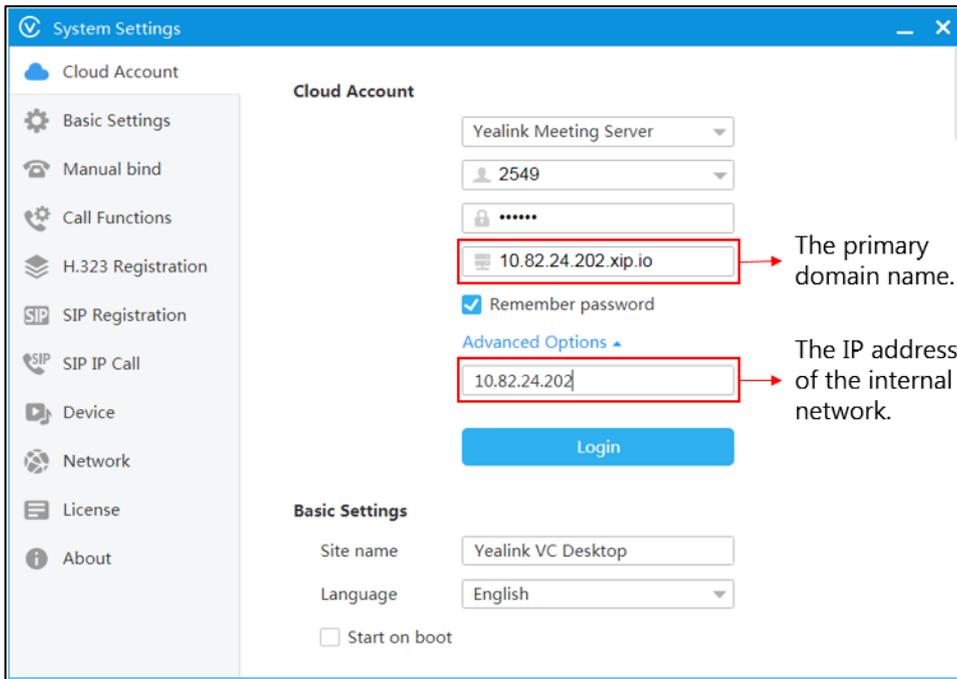
*TLS Port : 5061

+ Add

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Registering the Device

The users in the internal network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:

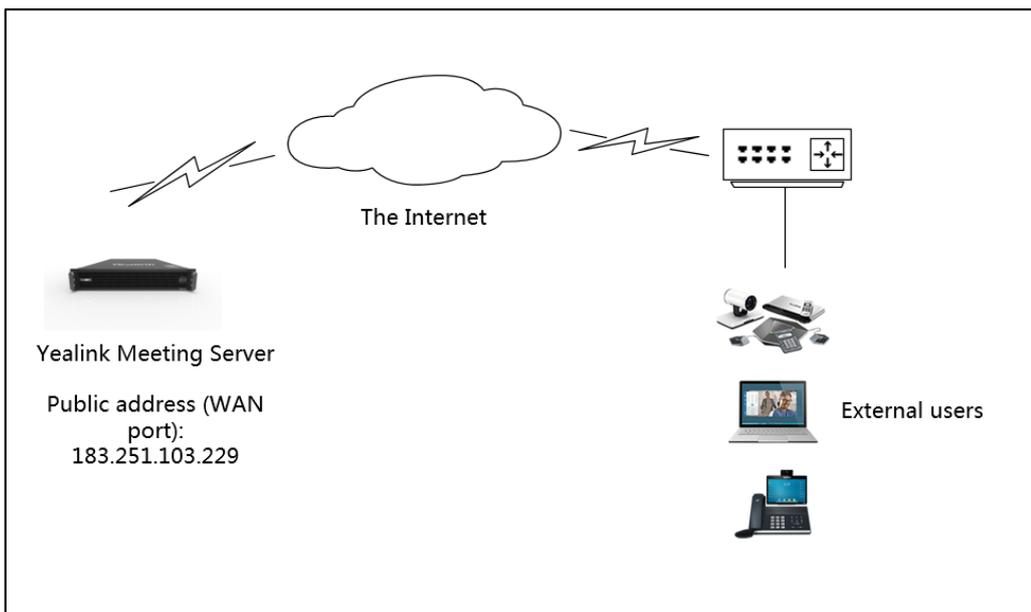


Scenario 2: A Single Network Adapter in the External Network

Setting the Network

If you register YMS accounts, place point-to-point calls or join video conferences only in the Internet, you can deploy YMS by this method.

You just need configure the external network adapter on YMS to finish the deployment.



Procedure:

1. Log into YMS, and click **System Setting->Node Management**.
2. Click on the right side of the default node, and the server will identify the IP address of the external network adapter by default, and then configure the network parameter to ensure the network connectivity.

Note

Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. The web service address is used for the devices to access the server or the YMS contacts, to download the firmware from the server and so on.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Setting the Registration Service

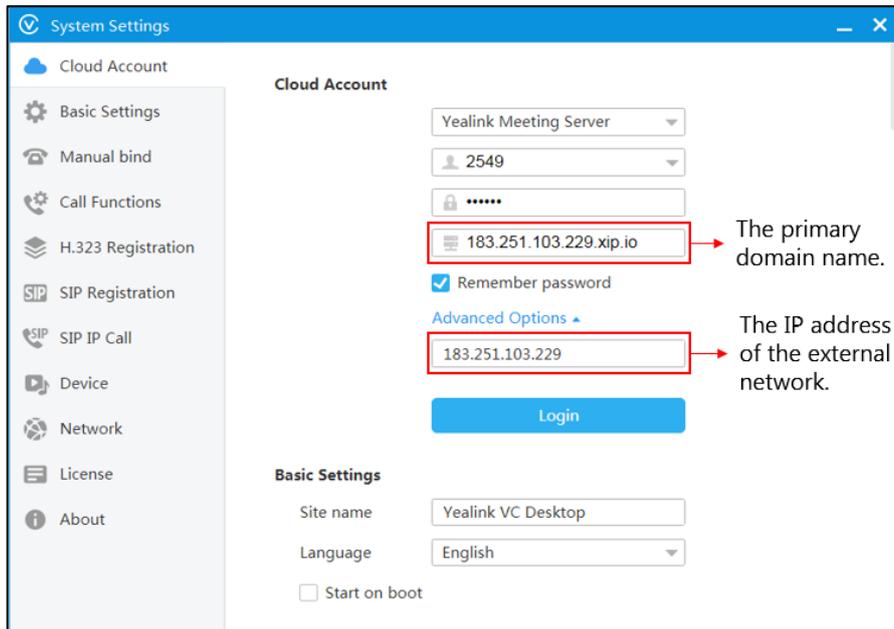
Procedure:

1. Log into YMS, and click **Service->SIP Service->Registration Service->Add**.
2. Configure the registration service for the external network.

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Registering the Device

The users in external network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



Scenario 3: A Single Network Adapter and Static NAT

Port Mapping Requirements

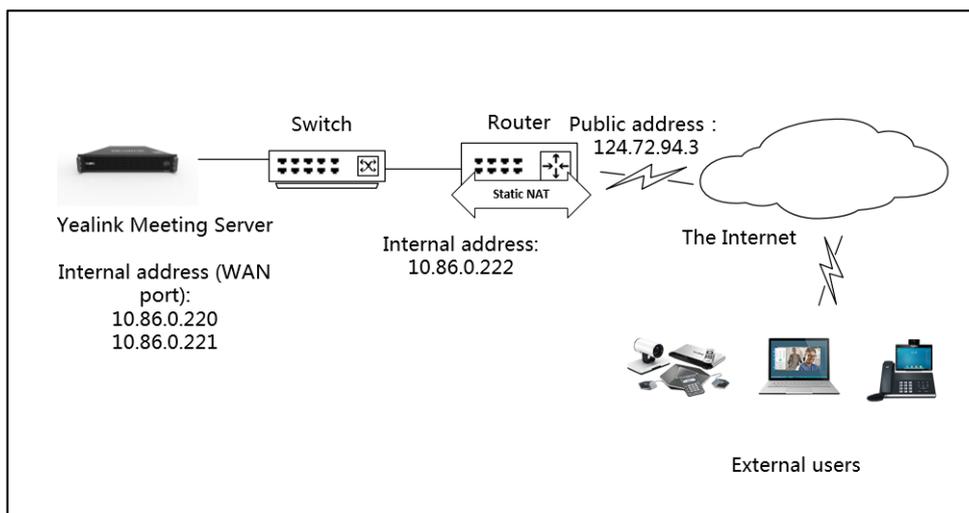
If the following ports are restricted in your network, you need open these ports. If YMS is deployed in an intranet, you should map the following ports to the Internet to realize the interconnection between the private and the Internet.

Module	Port	UDP/TCP	Description
Web port	443	TCP	HTTPS port
	444	TCP	YMS can be trusted by the Yealink devices even if the web HTTPS certificate is replaced by YMS.
	80	TCP	HTTP port
Rsyslog log service port	514	UDP/TCP	YMS server can collect the device log via this port.
H.323port	1719	UDP/TCP	The RAS listener port of the gatekeeper.
	1720	UDP/TCP	The H.225 listener port of the gateway.
	1722	UDP/TCP	The H.225 listener port of the gatekeeper.

Module	Port	UDP/TCP	Description
Turnserver port	3478	UDP/TCP	The listener port of the traversal service.
	3479	UDP/TCP	The backup listener port.
	9688	UDP/TCP	This port, which has impact on the traversal service, should be mapped as long as there is IP mapping.
SIP port	5060	UDP/TCP	It is used for the IP call service.
	5061	UDP/TCP	It is used for the registration service.
	5062-5070	UDP/TCP	It is used for the third-party service, the PSTN gateway service, the peer trunk service, REG trunk service, and Skype for Business service.
Media port	10000-65535	UDP/TCP	It is used for the MCU service, IVR, BFCP/FECC, the conference stack signaling, the conference stack media, and the traversal service (UDP is compulsory but TCP is optional).

Setting the Network

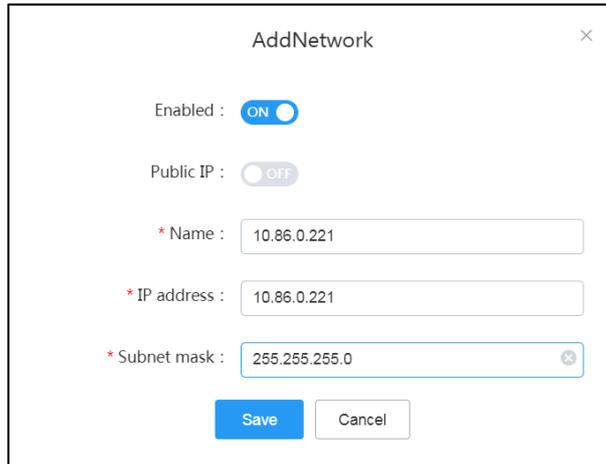
To ensure the YMS security and maintain the internal network, you can deploy YMS in the internal network and map the address by static NAT through the router and YMS, so that users in external network can access YMS.



For example, a YMS in the internal network with the IP address 10.86.0.220 and the domain name 10.86.0.220.xip.io, after static NAT mapping, its IP address and domain name are 124.72.94.3 and yms220.yealink.com respectively. Therefore, the mapped IP address and domain name can be used by the user for access and registration. In order to make the user in the internal network can register accounts, we need configure another IP address on the internal network, that is IP address 10.86.0.221. Note that YMS is allowed to configure multiple IP addresses on one network adapter.

Procedure:

1. Log into YMS, and click **System Setting**->**Node Management**.
2. Click  on the right side of the default node, and configure the network parameter to ensure the network connectivity.
3. Click **Add** and configure the second IP address for this network adapter.



AddNetwork ×

Enabled : ON

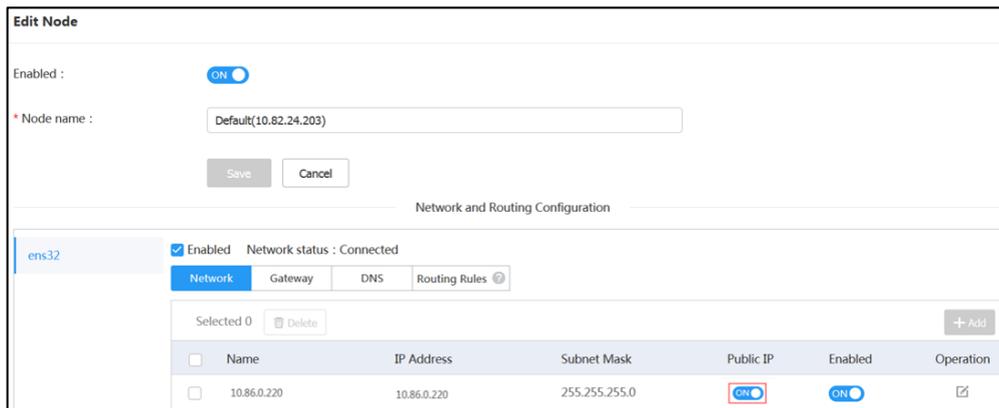
Public IP : OFF

* Name :

* IP address :

* Subnet mask : ✕

4. Click **Save**.
5. Select the corresponding IP address, and enable **Public IP** to allow the access and registration for the user in the external network.



Edit Node

Enabled : ON

* Node name :

Network and Routing Configuration

ens32 Enabled Network status : Connected

Network Gateway DNS Routing Rules ?

Selected 0 + Add

<input type="checkbox"/>	Name	IP Address	Subnet Mask	Public IP	Enabled	Operation
<input type="checkbox"/>	10.86.0.220	10.86.0.220	255.255.255.0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

6. Click **Save**.

Note

Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. For security reason, you can set the service addresses for the internal and external network respectively, to realize the separation of the internal and external network when the device is accessing the server or YMS contacts, downloading the firmware from the server.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.

* Primary domain : 10.86.0.220.xip.io

WEB service address :

Service network :	Service URL :
Internal network	http://10.86.0.221
External network	http://yms20.yealink.com

+ Add service address

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Setting the Registration Service

You can configure the registration service to allow the user in the internal and external network to register a YMS account.

Procedure:

1. Log into YMS, and click **Service->SIP Service->Registration Service->Add**.
2. Configure the registration service for the internal network.

Add

Enabled : ON

* Name : Internal registration

* Node : 10.86.0.220-stand-alone

Service address

*Network	*TLS Port
10.86.0.221	5061

+ Add

Enable security policy OFF

3. Click **Save**.
4. Operate according to prompts and click **OK**.

- Repeat the steps from 1 to 4 to configure the registration service for the external network.

Add

Enabled : ON

* Name :

* Node :

Service address

*Network *TLS Port

Enable security policy OFF

After the configuration, the page is shown as below:

Registration Service

Search

Selected 0

<input type="checkbox"/>	Name	Node	Network(IP : Port)	Enabled	Operation
<input type="checkbox"/>	External registration	10.86.0.220-stand-alone	10.86.0.220(10.86.0.220)/5061	<input checked="" type="checkbox"/> ON	<input type="button" value="Edit"/>
<input type="checkbox"/>	Internal registration	10.86.0.220-stand-alone	10.86.0.221(10.86.0.221)/5061	<input checked="" type="checkbox"/> ON	<input type="button" value="Edit"/>

Configuring the Address Port Mapping

When configuring the registration service for the external network, the port 5060 and 5061 of 10.86.0.220 are mapped to the port 5060 and 5061 of 124.72.94.3, therefore, you need add address port mapping on YMS.

Procedure:

- Log into YMS, and click **System Setting**->**Address Port Mapping**->**Add**.
- Configure the address port mapping.

* Enable : OFF

* Name :

* Public IP :

* Public Port : ~

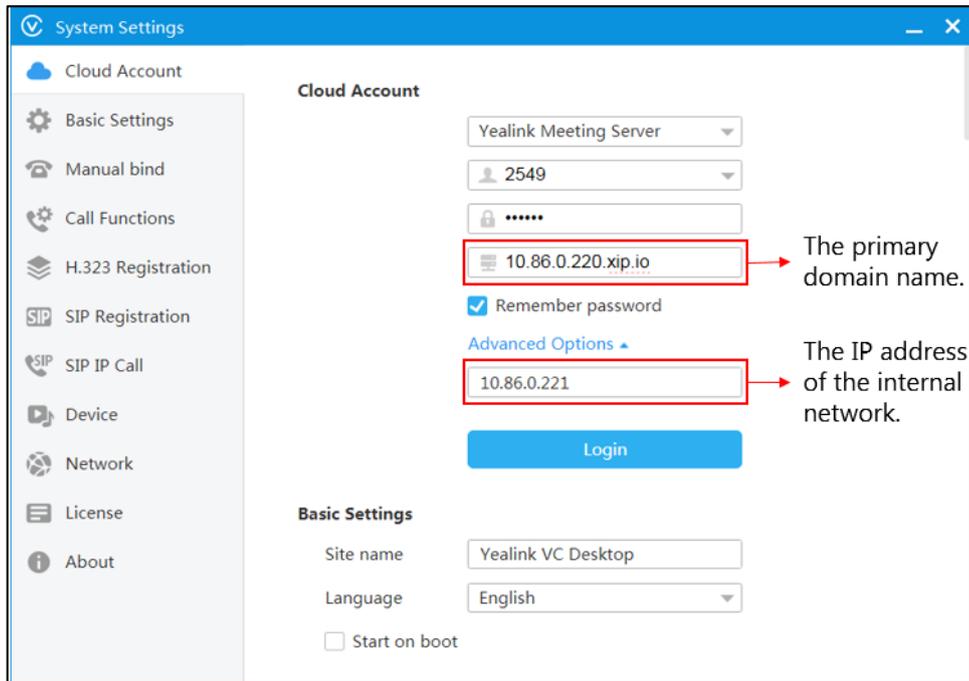
* Internal IP :

* Internal Port : ~

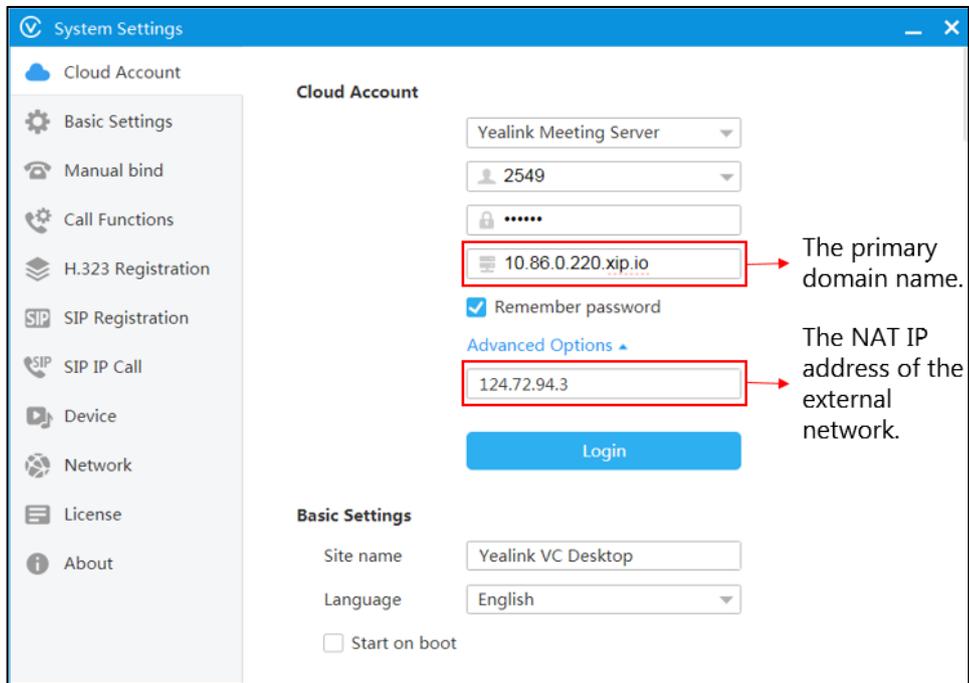
- Click **Save**.
- Operate according to prompts and click **OK**.

Registering the Device

The users in the internal network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



The users in external network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:

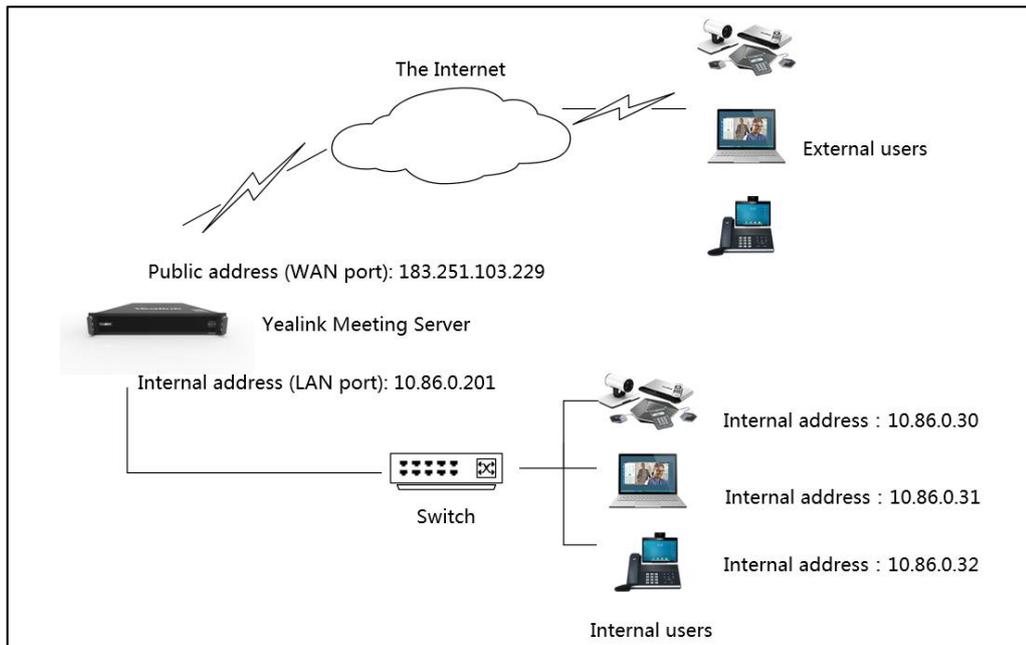


Scenario 4: Dual Network Adapters in the Internal Network and the External Network

Setting the Network

If you register YMS accounts, place point-to-point calls or join video conferences in both the internal network and the Internet, you can deploy YMS by this method.

You need configure the internal and external network adapter on YMS to finish the deployment.



Procedure:

1. Log into YMS, and click **System Setting**->**Node Management**.
2. Click and the server will identify the IP addresses of the internal and external network adapters by default, and then configure the network parameter to ensure the network connectivity.
3. Select the desired adapter, and enable **Public IP**.
4. Click **Save**.

Note

Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. For security reason, you can set the service addresses for the internal and external network respectively, to realize the separation of the internal and external network when the device is accessing the server or YMS contacts, downloading the firmware from the server.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.

* Primary domain : 10.86.0.201.xip.io

WEB service address :

Service network : Service URL :

Internal network http://10.86.0.201/ X

External network http://183.251.103.229 X

+ Add service address

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Setting the Registration Service

You can configure the registration service to allow the user in both the internal and external network to register a YMS account.

Procedure:

1. Log into YMS, and click **Service->SIP Service->Registration Service->Add**.
2. Configure the registration service for the internal network.

Add

Enabled : ON

* Name : Internal registration

* Node : Default(10.86.0.201)

Service address

*Network 10.86.0.221 *TLS Port 5061 X

+ Add

Enable security policy OFF

3. Click **Save**.
4. Operate according to prompts and click **OK**.

- Repeat the steps from 1 to 4 to configure the registration service for the external network.

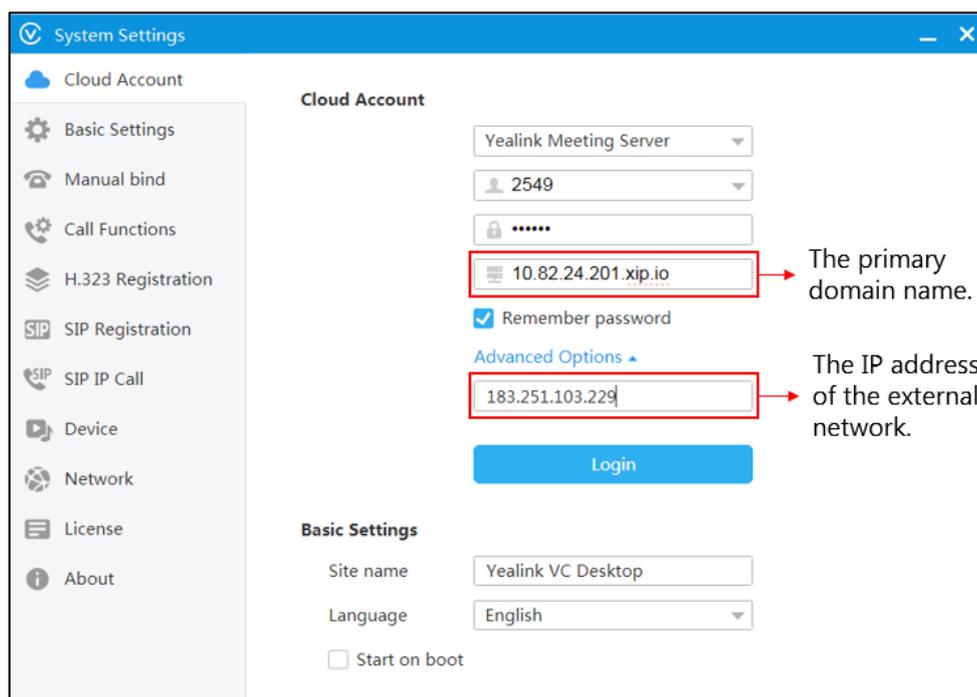
After the configuration, the page is shown as below:

Name	Node	Network(IP : Port)	Enabled	Operation
External registration	Default(10.86.0.201)	183.251.103.229(183.251.103.229)/5061	ON	[Edit]
Internal registration	Default(10.86.0.201)	10.86.0.201(10.86.0.221)/5061	ON	[Edit]

Registering the Device

The users in the internal network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:

The users in the external network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



Scenario 5: Dual Network Adapters and Static NAT

Port Mapping Requirements

If the following ports are restricted in your network environment, you need open these ports. If the YMS is deployed in an intranet, you should map the following ports to the Internet on the router to realize the interconnection between the private and the Internet.

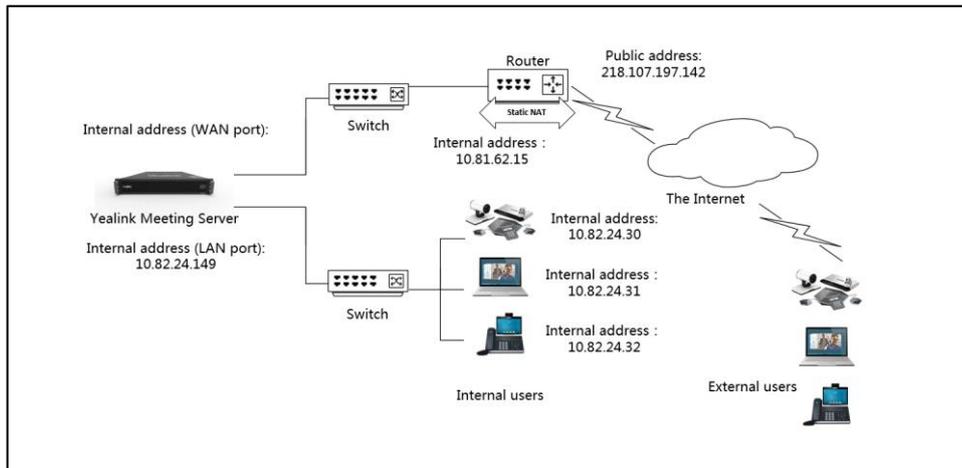
Module	Port	UDP/TCP	Description
Web port	443	TCP	HTTPS port
	444	TCP	YMS can be trusted by the Yealink devices even if the web HTTPS certificate is replaced by YMS.
	80	TCP	HTTP port
Rsyslog log service port	514	UDP/TCP	YMS server can collect the device log via this port.
H.323port	1719	UDP/TCP	The RAS listener port of the gatekeeper.
	1720	UDP/TCP	The H.225 listener port of the gateway.
	1722	UDP/TCP	The H.225 listener port of the gatekeeper.
Turnserver port	3478	UDP/TCP	The listener port of the traversal service.
	3479	UDP/TCP	The backup listener port.
	9688	UDP/TCP	This port, which has impact on the

Module	Port	UDP/TCP	Description
			traversal service, should be mapped as long as there is IP mapping.
SIP port	5060	UDP/TCP	It is used for the IP call service.
	5061	UDP/TCP	It is used for the registration service.
	5062-5070	UDP/TCP	It is used for the third-party service, the PSTN gateway service, the peer trunk service, the REG trunk service, and Skype for Business service.
Media port	10000-65535	UDP/TCP	It is used for the MCU service, IVR, BFCP/FECC, the conference stack signaling, the conference stack media, and the traversal service (UDP is compulsory but TCP is optional).

Setting the Network

To ensure the YMS security and maintain the internal network, you can deploy YMS in the internal network and configure the address by static NAT mapping through the router and YMS, so that users in external network can access YMS.

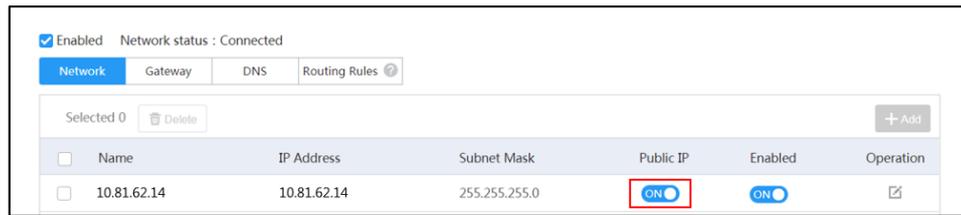
You need configure the internal and external network adapter on YMS to finish the deployment.



For example, a server in the internal network, with the IP address of LAN port as 10.82.24.149 and the primary domain name as 10.82.24.149.xip.io, is used for the user in the internal network to access and register. The IP address (10.81.62.14) and domain name of this server's WAN port, after the static NAT mapping, is 218.107.197.142 and ymstest2.yealink.com respectively, which can be used for the user in the external network to access and register.

Procedure:

1. Log into YMS, and click **System Setting** -> **Node Management**.
2. Click  and the server will identify the IP addresses of the internal and external network adapter by default, and then configure the network parameter to ensure the network connectivity.
3. Select the desired adapter, and enable **Public IP**.



4. Click **Save**.

Note

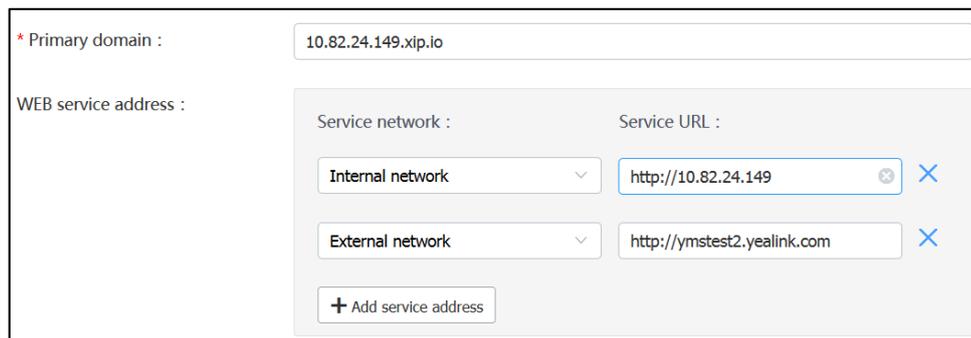
Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. For security reason, you can set the service addresses for the internal and external network respectively, to realize the separation of the internal and external network when the device is accessing the server or YMS contacts, downloading the firmware from the server.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.



3. Click **Save**.

4. Operate according to prompts and click **OK**.

Setting the Registration Service

You can configure the registration service to allow the user in the internal and external network to register a YMS account.

Procedure:

1. Log into YMS, and click **Service->SIP Service->Registration Service->Add**.
2. Configure the registration service for the internal network.

Add

Enabled : ON

* Name :

* Node :

Service address

*Network	*TLS Port
<input type="text" value="10.82.24.149"/>	<input type="text" value="5061"/>
<input type="button" value="+ Add"/>	

Enable security policy OFF

3. Click **Save**.
4. Operate according to prompts and click **OK**.

- Repeat the steps from 1 to 4 to configure the registration service for the external network.

Add

Enabled :

* Name :

* Node :

Service address

*Network *TLS Port

Enable security policy

After the configuration, the page is shown as below:

Registration Service

Search

Selected 0

<input type="checkbox"/>	Name	Node	Network(IP : Port)	Enabled	Operation
<input type="checkbox"/>	External registration	Default(10.82.24.149)	10.81.62.14(10.81.62.14)/5061	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>
<input type="checkbox"/>	Internal registration	Default(10.82.24.149)	10.82.24.149(10.82.24.149)/5061	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/>

Configuring the Address Port Mapping

Because the port 5060 and 5061 of 10.81.62.14 are mapped to the port 5060 and 5061 of 218.107.197.142, you need add address port mapping on YMS.

Procedure:

- Log into YMS, and click **System Setting**->**Address Port Mapping**->**Add**.
- Configure the address port mapping.

* Enable :

* Name :

* Public IP :

* Public Port : ~

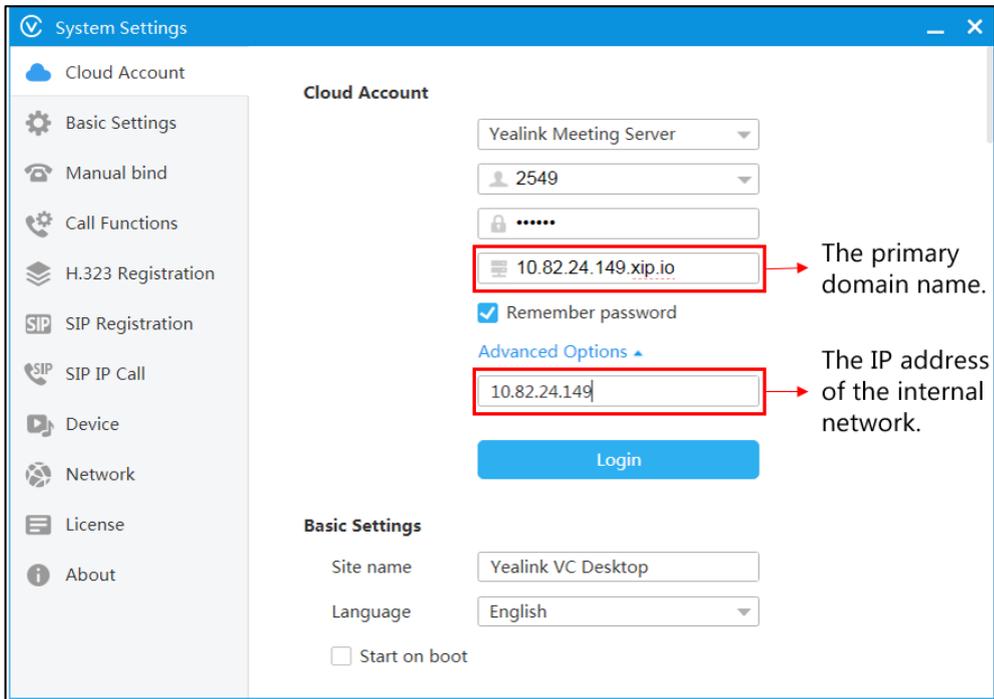
* Internal IP :

* Internal Port : ~

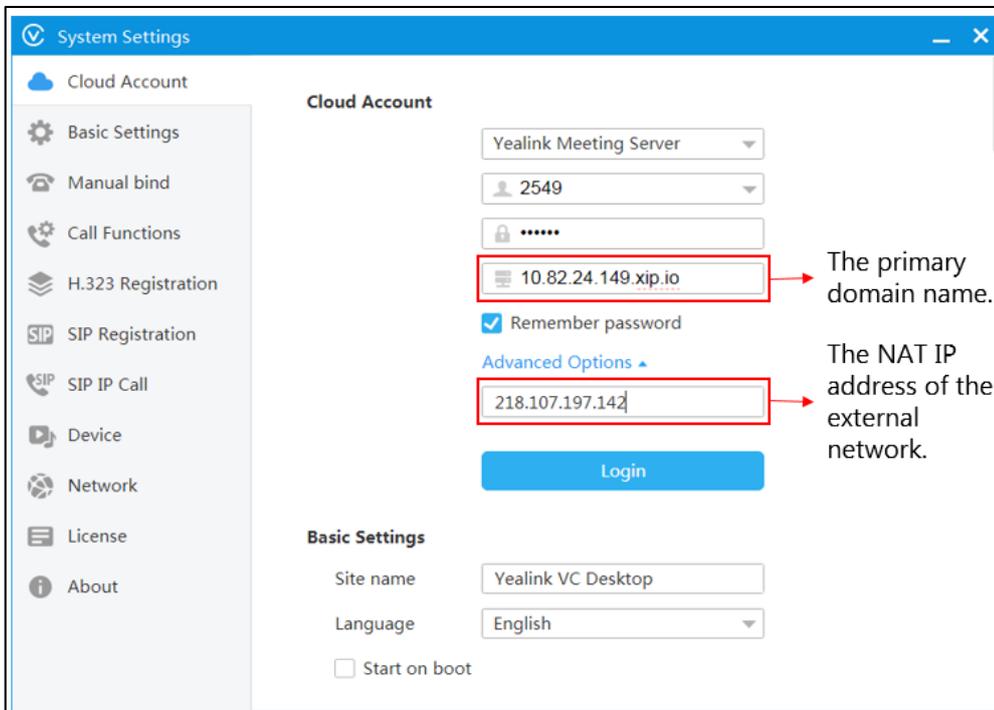
- Click **Save**.
- Operate according to prompts and click **OK**.

Registering the Device

The users in the internal network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



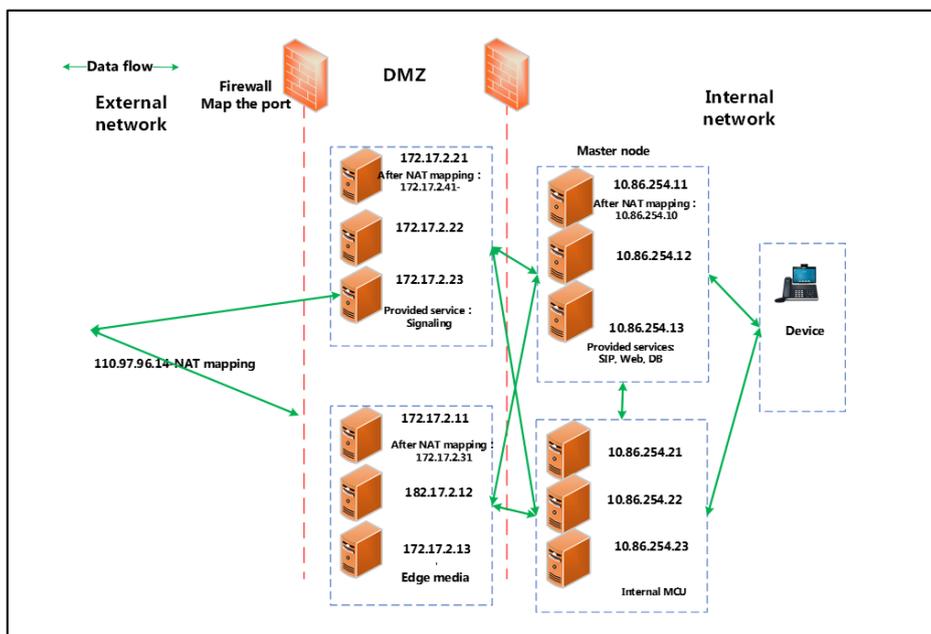
The users in external network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



Cluster Deployment

If your enterprise uses cluster deployment, you need configure each node according to the deployment plan.

The following part takes this environment as an example and introduces how to configure the registration service. For other services, refer to [Yealink Meeting Service Administrator Guide](#).



The above topology IP is described as below:

- Three master nodes:** 10.86.254.11 (the master node), 10.86.254.12 (the sub-master node), 10.86.254.13 (the sub-master node), with 10.86.254.10 and 10.86.254.11 configured on one network adapter and 10.86.254.10 mapped to the external network 110.87.96.14 by NAT.
- Nine business nodes which include the following:**
 - Three edge nodes (providing signaling service):** 172.17.2.21, 172.17.2.22, 172.17.2.23, with 172.17.2.41 and 172.17.2.21 configured on one network adapter and 172.17.2.41 mapped to the external network 110.87.96.14 by NAT.
 - Three edge nodes (providing media service):** 172.17.2.11, 172.17.2.12, 172.17.2.13, with 172.17.2.31 and 172.17.2.11 configured on one network adapter and 172.17.2.31 mapped to the external network 110.87.96.14 by NAT.
 - Three MCUs:** 10.86.254.21, 10.86.254.22, 10.86.254.23.

Port Mapping Requirements

If the following ports are restricted in your network environment, you need open these ports. If the YMS is deployed in an intranet, you should map the following ports to the Internet on the router and YMS to realize the interconnection between the private and the Internet.

Requirements of the internal service port: make sure that the following ports in every node of the cluster can communicate with each other.

Port	UDP/TCP	Description
8000-9000	UDP+TCP	The internal service port.
27017	UDP+TCP	This port is used for database accessing.
22	TCP	This port is used for installing or upgrading YMS by SSH.

Requirements for the External Service Port:

Module	Port	UDP/TCP	The detailed mapping information based on the above network topology
Web port	443	TCP	Map the port 443 of 172.17.2.41 to the port 8443 of the external network 110.87.96.14.
	444	TCP	unmapped
	80	UDP/TCP	Map the port 80 of 172.17.2.41 to the port 8080 of the external network 110.87.96.14.
Rsyslog service log port	514	UDP/TCP	unmapped
H.323 port	1719	UDP/TCP	Map a port (from 1719 to 1722) of 172.17.2.41 to a port (from 1719 to 1722) of the external network 110.87.96.14.
	1720	UDP/TCP	
	1722	UDP/TCP	
Turnserver port	3478	UDP/TCP	Map a port (from 3478 to 3479) of 172.17.2.31 to a port (from 3478 to 3479) of the external network 110.87.96.14.
	3479	UDP/TCP	
	9688	UDP/TCP	unmapped
SIP port	5060	UDP/TCP	Map a port (from 5060 to 5061) of 172.17.2.41 to a port (from 5060 to 5061) of the external network 110.87.96.14.
	5061	UDP/TCP	
	5062-5070	UDP/TCP	unmapped
Media Port	10000-65535	UDP/TCP	Map a port (from 10000 to 29999) of 172.17.2.41 to a port (from 10000 to 29999) of the external network 110.87.96.14.

Setting the Network

You need configure the internal network to ensure a smooth internal network first and then configure the external network mapping. Note that the name of each node is default, you can edit them for convenient management and recognition.

Procedure:

1. Log into YMS, and click **System Setting->Node Management**.
2. Click  and the server will identify the IP address of each node by default, and configure the network parameter to ensure the network connectivity.

Node Management								
Search <input type="text"/>								
Selected 0 <input type="button" value="Delete"/>								
<input type="checkbox"/>	Name	IP List	CPU	Memory	Status	Description	Enabled	Operation
<input type="checkbox"/>	YMS-manager-1	10.86.254.11	16 * 2.10GHz	20.6GB	Online	--	<input type="checkbox"/>	
<input type="checkbox"/>	YMS-manager-3	10.86.254.13	16 * 2.10GHz	20.6GB	Online	--	<input type="checkbox"/>	
<input type="checkbox"/>	YMS-manager-2	10.86.254.12	16 * 2.10GHz	20.6GB	Online	--	<input type="checkbox"/>	
<input type="checkbox"/>	YMS-edge-media-1	172.17.2.11,172.17.2.12	8 * 2.40GHz	8.0GB	Online	--	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	YMS-edge-signal-2	172.17.2.22	8 * 2.40GHz	12.1GB	Online	--	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	YMS-mcu-1	10.86.254.21	8 * 2.10GHz	16.3GB	Online	--	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	YMS-mcu-3	10.86.254.23	8 * 2.10GHz	16.3GB	Online	--	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	YMS-edge-media-3	172.17.2.13	8 * 2.40GHz	8.0GB	Online	--	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	YMS-edge-signal-3	172.17.2.23	8 * 2.40GHz	12.1GB	Online	--	<input checked="" type="checkbox"/>	

Note

Make sure that DNS server is available. Otherwise, the service will be abnormal. The routing rules came with the server cannot be deleted. If they are deleted, other added routing rules will be abnormal. You cannot edit the IP address of the master node on the management platform but you can edit it in the installation file and re-install it.

Setting the Primary Domain Name and the Web Service Address

When you register an account, the server address you enter is the primary domain name. For security reason, you can set the service addresses for the internal and external network respectively, to realize the separation of the internal and external network when the device is accessing the server or YMS contacts, downloading the firmware from the server.

Procedure:

1. Log into YMS, and click **System Setting->Common Setting->Network Association**.
2. Configure the primary domain name and the web service address.

WEB service address :

Service network :	Service URL :
<input type="text" value="Internal network"/>	<input type="text" value="https://10.86.254.11"/>
<input type="text" value="External network"/>	<input type="text" value="https://110.87.96.14:8443"/>
<input type="button" value="+ Add service address"/>	

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Configuring the Address Port Mapping

Because the port 443 of the internal network 172.17.2.41 is mapped to the port 8443 of the external network 110.87.96.14, you need add address port mapping on YMS.

Procedure:

1. Log into YMS, and click **System Setting**->**Address Port Mapping**->**Add**.
2. Configure the address port mapping.

* Name :	Address port mapping-1	
* Public IP :	110.87.96.14	
* Public Port :	8443	~ 8443
* Internal IP :	172.17.2.41	
* Internal Port :	443	~ 443

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Setting the Registration Service

You can configure the registration service to allow the user in the internal and external network to register a YMS account.

Procedure:

1. Log into YMS, and click **Service**->**SIP Service**->**Registration Service**->**Add**.
2. Configure the registration service for the internal network.

Selected 0				Delete
<input type="checkbox"/>	Name	Node	Network(IP : Port)	Enabled
<input type="checkbox"/>	Internal registration 1	YMS-edge-signal-1	172.17.2.41(172.17.2.41:5061)	OFF
<input type="checkbox"/>	Internal registration 2	YMS-manager-1	YMS-manager-1(10.86.254.11:5061)	ON

3. Configure the registration service for the external network.

For example, add 172.17.2.41 (introduced in the above topology) to the server address.

Enabled : ON

* Name :

* Node :

Service address

*Network *TLS Port

After the configuration, the page is shown as below:

Selected 0

<input type="checkbox"/>	Name	Node	Network(IP : Port)	Enabled
<input type="checkbox"/>	external registration...	YMS-edge-signal-1	172.17.2.41(172.17.2.41:5061)	<input checked="" type="checkbox"/> ON
<input type="checkbox"/>	Internal registration 1	YMS-edge-signal-1	172.17.2.41(172.17.2.41:5061)	<input type="checkbox"/> OFF
<input type="checkbox"/>	Internal registration 2	YMS-manager-1	YMS-manager-1(10.86.254.11:5061)	<input checked="" type="checkbox"/> ON

Configuring the Address Port Mapping

Because the port 5060 and 5061 of 172.17.2.41 are mapped to the port 5060 and 5061 of 110.87.96.14, you need add address port mapping on YMS.

Procedure:

1. Log into YMS, and click **System Setting**->**Address Port Mapping**->**Add**.
2. Configure the address port mapping.

* Name :

* Public IP :

* Public Port : ~

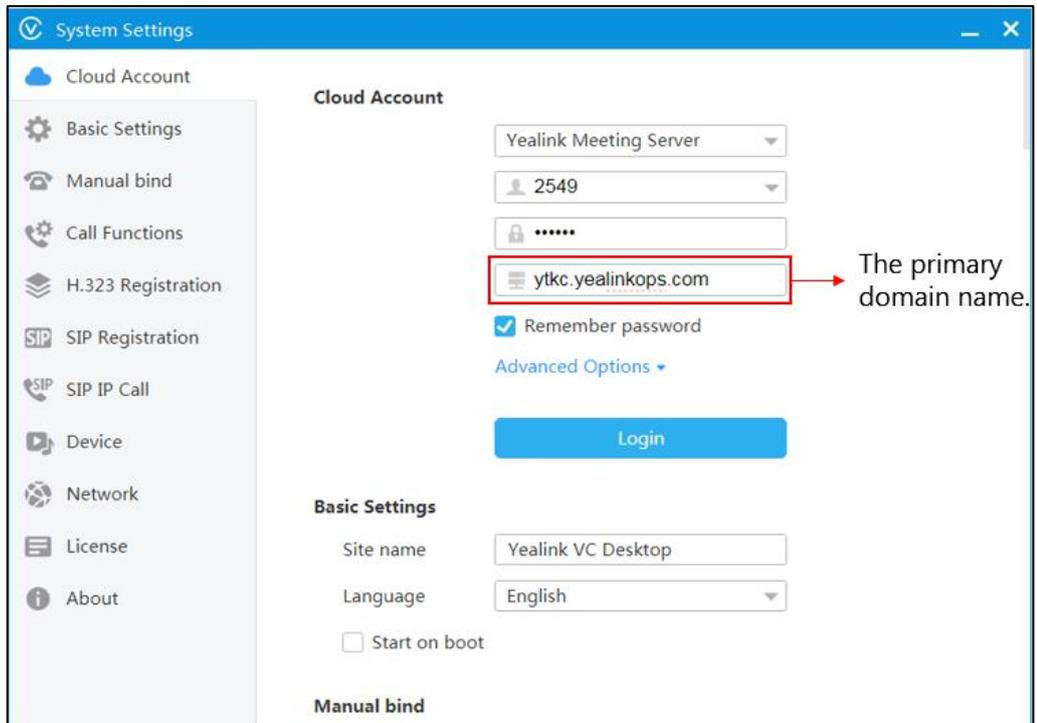
* Internal IP :

* Internal Port : ~

3. Click **Save**.
4. Operate according to prompts and click **OK**.

Registering the Device

The users in the internal and external network can register YMS accounts via Yealink VC Desktop. It is shown as the picture below:



Customer Feedback

We are striving to improve our documentation quality and we appreciate your feedback. Email your opinions and comments to DocsFeedback@yealink.com.

Technical Support

Visit Yealink WIKI (<http://support.yealink.com/>) for the latest firmware, guides, FAQ, Product documents, and more. For better service, we sincerely recommend you to use Yealink Ticketing system (<https://ticket.yealink.com>) to submit all your technical issues.