

SkyStone Quick Installation Guide

1 Installation requirements

The package contains:

Skype installation (ver. 3.5)

SkyStone installation (ver 1.1 or higher)



Required tools:

1 Personal Computer running Windows XP Pro sp2 or Windows 2003 Server, Internet Explorer 6.0 or higher or FireFox and LAN card. Internet connection (XDSL recommended or faster).

2 Installation

Run Skype35Setup.exe in order to install the recommended Skype version.

On the same PC that runs Skype, run SkyStone-1.1.0.1-all-en.exe and install SkyStone without modifying the default options.

A window will automatically prompt the 'First Configuration Wizard': click OK to start SkyStone guided configuration.

Click OK on the first configuration page, make sure the Skype installation path is correct and click YES, otherwise click no and manually search skype.exe in your local Skype installation path.

Click Next, type the login user name and password of your Skype account when required (before proceeding, please register one or more Skype accounts on www.skype.com).

When 'Configure Line 1' is prompted, click Next and type, when required, the login user name and password of a second Skype account (optional). Click Next and OK.

NOTE: before configuring SkyStone, it is recommended to register one or more Skype accounts on www.skype.com

3 First configuration

This configuration is carried out via a web browser.

Click Start>All Programs> Stonevoice SkyStone> SkyStone Web Administration, otherwise start the web administration page manually by opening your Internet Browser and typing <http://<IP>:7505> in the address bar, where <IP> is the IP address of the PC that runs SkyStone. Enter user name and password (user name **admin** and password **admin** by default) and click Login.

3.1 H.323 settings

1. If you wish to use H.323 protocol, click 'Settings' and H.323
2. Make sure a proper 'Port' value is provided
3. In Gatekeeper mode, type 0 if the PBX does not require a registration, 1 if the Gatekeeper should automatically be searched for on the network for registration or 2 if the Gatekeeper for the registration will be specified
4. Only if option 2 is entered (see previous step), enter the PBX IP address in the 'Gatekeeper address' field
5. Only if option 1 or 2 are entered (see previous steps), enter user name and password for registering on the PBX
6. Click Save at the bottom of the page in order to save your settings

IMPORTANT: Even when only H323 is used, it is necessary to fill the **BindedIPAddress** value in the **SIP Settings** with the IP address of the PC that runs SkyStone.

3.2 SIP settings

1. if you wish to use SIP protocol, click 'Settings' and SIP
2. Make sure a proper 'Port' value is provided
3. In Registrar mode, type 0 if the PBX does not require a registration or 1 if the Registrar for the registration will be specified
4. Only if option 1 is entered, enter the PBX IP address in the 'Registrar address' field
5. Only if option 1 is entered, provide username e password for registering on the Registrar

In the **RegistrarRealm** field type the local domain your PBX connects to.

In the **BindedIPAddress** field enter the IP address of the PC that runs SkyStone.

In the **ProxyAddress** field, enter the IP address of your Proxy if any.

6. Click Save at the bottom of the page in order to save your settings.

IMPORTANT: firewalls should be disabled in order to prevent difficulties using Skype or SkyStone

NOTE: after modifying the above mentioned settings, SkyStone requires a reboot ('SkyStone' Menu | 'Engine and Channels Status' submenu)

4 Definitions configuration

This section defines VOIP and Skype users in order to manage the routes for incoming and outgoing calls.

4.1 H.323 users

Click '**Definitions**' and **H.323 patterns** to add users connecting via H.323 protocol.

1. Click New to add a new line

In the '**Name**' field, type a name for this user.

In the '**H323 pattern**' field type the telephone number of your switchboard and IP address of your PBX (i.e. 201@192.168.1.1)

2. Add all the other users that connect via H.323 protocol
3. Click Save at the bottom of the page in order to save your settings

4.2 SIP pattern users

Click '**Definitions**' and **SIP patterns** to add users connecting via SIP protocol.

1. Click New to add a new line

In the '**Name**' field type a name for this user

In the '**SIP pattern**' field type the telephone number of your switchboard and IP address of your PBX (i.e. 201@192.168.1.1)

2. Add all the other users that connect via H.323 protocol
3. Click Save at the bottom of the page in order to save your settings.

NOTE: extension numbers can be entered using ext@IP format where ext is the extension number and IP is the IP address of your PBX. This is subject to the PBX correctly configured in order to allow such format.

4.3 Skype users

Click '**Definitions**' and '**Skype patterns**' to add Skype accounts that will be managed

1. Click New to add a new line

In the '**Name**' field type a name for this contact.

In the '**Skype pattern**' field type the user name of this Skype contact (i.e.: company.com-sales)

2. Add all the other Skype accounts that SkyStone will handle. In order to receive calls, the user name of your company Skype account (previously configured) must be entered in

this section (the 'Main Company' sample entry can be edited for this purpose)

3. Click Save at the bottom of the page in order to save your settings

IMPORTANT: Skype users you wish to call must be added to the Skype Patterns configuration

4 Rules Configuration

The rules should be configured in the 'Rules' section in order to properly route incoming and outgoing calls.

4.1 Speed Dial

A speed dial number can be configured to associate a Skype user to a given code and quickly call this Skype user.

1. In the 'Speed Dial' section, click 'New'
2. In the 'source' field select a number for calling this user
3. In the 'Destination' field, select the Skype user that should be called
4. Click Save at the bottom of the page in order to save your settings

4.2 SkypeOut

The 'SkypeOut' should not normally be changed as its default settings route outgoing calls to fixed and mobile numbers when dialling 84 as selection code (i.e. 8400390584943232).

Such code can be changed to a customised one. It is recommended to set the PBX as to route calls starting with 84 (or other customised selection codes) towards the IP address of SkyStone.

IMPORTANT: in order to use SkypeOut and place calls to fixed and mobile numbers your Skype account should have enough credit. See www.skype.com for topping your credit.

4.3 Voip Caller

Voip Caller can be configured for routing an outgoing call of a certain extension or switchboard towards a given Skype user.

1. Click 'New' to add a new line
2. In the 'Source' field, select the caller IP user
3. In the 'Destination' field, select the Skype user the call should be routed to
4. Click Save at the bottom of the page in order to save your settings

4.4 Skype rules

Skype rules can be configured so that incoming calls onto a Skype account (usually your company main account) can be routed to certain IP users.

1. Click 'New' to add a new line
2. In the 'Source' field select the called Skype user
3. In the 'Destination' field select the IP address the call should be routed to
4. Incoming calls to main Skype account can be routed modifying the 'Destination' field of your protocol (H.323 or SIP) and selecting the IP user incoming calls should be routed to
5. Click Save at the bottom of the page in order to save your settings

4.5 Skype caller

Skype Caller can be configured for managing incoming calls from a decided Skype account and routing such calls to a given IP address.

1. Click 'New' to add a new line
2. In the 'Source' field, select the caller Skype account
3. In the 'Destination' field select the IP user the call should be routed to
4. Click Save at the bottom of the page in order to save your settings

5 Configuration examples

This example includes an IP PBX using SIP protocol that does not require a registration and does not use a Proxy. Also includes a main Skype account and an external Skype account. In this case, SkyStone acts as a SIP trunk of the PBX.

1. Install SkyStone as previously explained in this quick guide
2. Connect to the Web Administration page (Start>All Programs>Stonevoice SkyStone> SkyStone Web Administration)
3. Click Settings>SIP parameters and in the 'RegistrarRealm' field enter the domain name of your local network
4. In the 'Binded IP address' field enter the IP address of the PC that runs Skystone.
5. Click Save at the bottom of the page in order to save your settings
6. Click definitions, SIP patterns
7. Click New in the 'Name' field type for instance IP PBX and in SIP pattern enter the PBX IP address

8. Click Save at the bottom of the page in order to save your settings
9. Click 'New' once again
10. In the 'name' field type 'John Smith (Skype)' and in the SIP pattern field type for instance 8355
11. Click 'Skype Patterns'
12. Click 'Main Company Account for SIP env.' for modifying it, modify the Skype field entering the Skype account that SkyStone will use for incoming and outgoing calls, as configured during the First Run procedure, after the setup (i.e. Telcen)
13. Click Save at the bottom of the page in order to save your settings
14. Add a new Skype user (i.e. John Smith) as explained in the 'Skype User' paragraph, 'Definitions configuration' chapter
15. Click 'Rules' and 'Speed Dial Rules'
16. Click 'New', in the 'Source' field select user 8355 (previously configured) and in the 'Destination' field select Skype user John Smith
17. Click Save
18. Click Skype rules, in the 'Source' field select Main Company Account for SIP env. and in the 'Destination' field select the IP address of the PBX

It is now necessary to route outgoing calls starting with 83- to the IP address of the PC that runs Skystone. Skystone will then act as a SIP trunk of the PBX: in this example, when 8533 is called, the Skype User John Smith will ring, whereas in case of an incoming call to the Skype Main Account (i.e. Telcen), an extension of the PBX will ring, according to the PBX configuration (extension 2000 in this example).

6 Troubleshooting

See full instruction manual included in the package.

Contact our technical support team on +39 0584.943232 (Monday to Friday 8:30am to 12:30am and 2PM to 6PM) or write to support@telcen.it.

Thank you for choosing Telcen!