

Configuring Speed Dial and BLF Presence

Configuration of Speed Dial Keys and Busy Lamp Field (BLF) Presence

Thanks to the plug & play management of phones, configuring speed dial keys and the Busy Lamp Field (BLF) presence, or line state function is really easy with sipXecs. The user is able to self-configure both speed dial entries or BLF presence using the individual user configuration portal provided by sipXecs to every user. At the same time the admin can do or review the same configuration on behalf of the user using the admin portal.

Speed Dial softkeys are implemented as a user specific features. Every phone that has a user's line registered as the first line of the phone will get this user's speed dial key information configured, provided the phone supports this feature and Speed Dial has been implemented for the phones plugin. Note that different phones have a different number of speed dial keys, some phones are able to also display a name next to the speed dial key, and some phones are able to indicate presence or line state using BLF.

Admin Web interface to configure Speed Dial and BLF for Users

For every user the admin can pre-configure a list of speed dial keys. Selecting the check box next to the entry enables BLF presence functionality. sipXecs uses a centralized phone presence server (called Resource List Server) to offer presence information to phones that support RLS. This approach is much more scalable and versatile vis-a-vis a peer-to-peer approach where every phone would subscribe for presence directly with the other phone. Tests have shown that the peer-to-peer approach causes significant network traffic that can cause a LAN to break down with only several hundred phones connected. The centralized approach implemented by sipXecs, in contrary, scales very well.

The screenshot shows the SIPXECs Admin Web interface. The top navigation bar includes Home, Help, Logout, and a search box. The main menu has tabs for Users, Devices, Features, System, and Diagnostics. The 'Users' tab is active, showing a list of speed dial entries for User 300. The table has columns for Name, Number, and Subscribe to presence. Each entry has a checkbox for 'Subscribe to presence' and links for 'Delete' and 'Down'. The entries are: Luca (388), John (302), Silvia (303), Edward (275), Home (19086653423), Chip (chip@example.com), and Patrick (432). There are buttons for 'OK', 'Apply', 'Cancel', and 'Save and Update Phone(s)'. On the right, there are three informational text blocks: 'Speed dial numbers are defined on a per user basis...', 'Make sure you choose names that can be displayed by the phone or attendant console you are using.', and 'Subscribe to presence should only be used by phones that support this capability...'. A final note states: 'When updating phones, all phones that are currently registered for the user will restart automatically.'

Name	Number	Subscribe to presence	
Luca	388	<input checked="" type="checkbox"/>	Delete Down
John	302	<input checked="" type="checkbox"/>	Delete Up Down
Silvia	303	<input checked="" type="checkbox"/>	Delete Up Down
Edward	275	<input checked="" type="checkbox"/>	Delete Up Down
Home	19086653423	<input type="checkbox"/>	Delete Up Down
Chip	chip@example.com	<input checked="" type="checkbox"/>	Delete Up Down
Patrick	432	<input checked="" type="checkbox"/>	Delete Up

User configuration portal to configure Speed dial and BLF

Every user can use his / her user configuration portal to configure speed dial and BLF presence functionality. The user can easily make changes at any time. The sipXecs system automatically updates the phone's configuration profile with the new speed dial and BLF information. The phone is then remotely restarted automatically to pick-up the new configuration information.

Speed Dial

[Add Number](#)

Name	Number	Subscribe to presence	
Luca	388	<input checked="" type="checkbox"/>	Delete Down
John	302	<input checked="" type="checkbox"/>	Delete Up Down
Silvia	303	<input checked="" type="checkbox"/>	Delete Up Down
Edward	275	<input checked="" type="checkbox"/>	Delete Up Down
Home	19086653423	<input type="checkbox"/>	Delete Up Down
Chip	chip@example.com	<input checked="" type="checkbox"/>	Delete Up Down
Patrick	432	<input checked="" type="checkbox"/>	Delete Up

Speed dial numbers are defined on a per user basis. They are assigned to phones capable of speed dialing, for which the user is registered as the first line on the phone. Note that speed dial is not yet implemented for all the phones.

Make sure you choose names that can be displayed by the phone or attendant console you are using.

Subscribe to presence should only be used by phones that support this capability. Note that presence is not implemented on all phones.

When updating phones, all phones that are currently registered for the user will restart automatically.

Configuring Device BLF settings

Each device will also be required to register itself with a Subscription server to enable presence. By default, this section should already be populated. To review settings within the Admin Web interface, edit the device's BLF properties.

For the Subscription URL field, a default value should be displayed next to the field. That value should be (Default: sip:~r1-C~xxx@sipdomain.tld), where xxx is replaced with your extension, and sipdomain.tld is replaced with your SIP domain. Copy and paste the ~r1-C~xxx@sipdomain.tld entry from the default hint in the Admin Web interface into the Subscription URL field.

The Subscription Server dropdown value should be 'Primary Registration Server' unless you have needs to insert a different value.

For Polycom phones, after changing this value you will need to Send the Profile and Restart the phone.